

PSED I, II Harmonized Transitions, Outcomes Data Set

Paul D Reynolds and Richard T. Curtin

04 August 2011

Outline

Introduction
Considerations in Harmonization, Defining Transitions
Conceptual and Operational Definitions
Weights
Data Overview
Project Background
References

Appendix I Variable description
Appendix II¹ Organization of the data processing files
Appendix III Data processing syntax files

Introduction

Two U.S. longitudinal studies of business creation, Panel Study of Entrepreneurial Development I and II, have been completed. Both projects begin with the screening of representative samples of U.S. adults to locate those active in the business creation process. Those that qualified as nascent entrepreneurs were then contacted for follow-up interviews to determine the outcome of their efforts to create new firms.

The result of this effort has been two large scale, multi wave data sets. The screening and four waves of the PSED I resulted in a data set of 1,261 cases (830 nascent entrepreneurs) and over six thousand variables. The screening and six waves of the PSED II has resulted in a data set of 1,214 cases (all nascent entrepreneurs) and over eight thousand variables. Comprehending and assessing these resources is a formidable challenge for the most dedicated analyst. Harmonizing variables and critical transitions between the two data sets is even more daunting. While the PSED data sets have been widely used for a variety of analyses, its usefulness may be enhanced if there was access to a consolidated data set that could provide harmonized measures of transitions and outcomes for all PSED I and PSED II cases.

This document describes such a consolidated data set.

¹ Because of the length, Appendices II and III are provided as separate files.

All cases in both data sets, a total of 2,024, are included and the 127 variables provide standardized measures of the timing and nature of critical start-up activities and transitions. As the case identification number is included in the data set, other variables can easily be added to the file for more detailed analysis of specific topics. Measures of the start-up process outcome—profitable new firm, still active with the startup, disengagement—are standardized for 1,599 cases that met the criteria for active nascent entrepreneur and for which a follow-up interview was completed. Six years after entry into the start up process, 30% have reported a period of initial profits and 48% have disengaged (quit). This facilitates the use of outcome measures as a dependent variable.

Further, there are 427 cases that report the beginning of profitable operations. Follow-up interviews were completed with these profitable new firms, in both projects. This provides a longitudinal description of the early years of profitable new firms. Three years after beginning profitable operations 75% are still in operation. Given the wealth of information about the PSED cases during their start-up period, this facilitates assessment of the effect of the start-up activities on subsequent new firm growth and survival.

This document provides an overview of the development of this consolidated data set. It begins with a discussion of some of the issues that needed to be addressed. This is followed by a presentation on the development of criteria selecting suitable cases, the aggregation of measures across different waves of data collection, and the operational definitions developed to select eligible cases. The case weights, which vary for different types of analysis, are also reviewed.

Appendix I provides a list and description of all variables in the data set. Appendix II provides an overview of the 13 computer programs (syntax files) used to process and consolidate the data. A listing of all SPSS 19.0 syntax files is provided in Appendix III; providing complete details on all criteria and procedures used to develop the harmonized, consolidated data set.

Considerations in Harmonization, Defining Transitions

Two types of harmonization are required for analysis. The first harmonization challenge reflects the fact that the interviews take place at arbitrary points in the business creation process. It is necessary, then, to create measures of the major transitions—entry into the process, new firm birth, disengagement—that are independent of the dates of the interviews. This involves using information from the interviews about the dates of various activities to create case specific timelines; a history that is independent of the timing of the interviews themselves.

The second type of harmonization involves combining cases from the two projects. The two projects were conceptually harmonized and the majority of the PSED II interview items were identical to that employed in the PSED I project. [PSED I involved both phone interviews and self-completed mail-back questionnaires and covers 50% more material than PSED II.] There are, however, a number of procedural differences providing a challenge for those that wished to combine the two data sets for analysis.

The challenge is not related to standardizing the response codes to individual items, many of these are already identical. But there are slight differences in the operational procedures to identify criteria for qualification and major transitions.

- Entry into the start-up process. No single conceptual definition is reflected in the data collection procedures. Information about a wide range of start-up activities and their date of initiation provides for the use of multiple criteria for determining the date of beginning the start-up process. One has been developed for use in the current data set.
- Profitable new firm is defined as the criteria for a new firm birth. Respondents initially reporting on a profitable new firm, rather than a start-up, are identified and excluded from analysis. A profitable new firm is considered one outcome of the start-up process.
- Disengagement from the start-up process is theoretically unambiguous. It is, however, measured differently in the two projects. In PSED I it is based on the respondent's claim they have terminated work on the start-up. In PSED II the respondent must claim little recent work on the start-up, no expected future work on the start-up, and that future career plans do not include any effort on this start-up venture.
- A number of start-up activities are included in both PSED I and PSED II. While many have identical item wording and response alternatives, others reflect some variation, usually to provide more precision for the PSED II data sets. For example, in PSED I the respondent was asked when they first pursued full time work on the start-up venture while in PSED II this was asked for all member of the start-up team.

For the consolidated data set, indicators are generally treated as equivalent regardless of the slight difference in operational definitions.

The only transition event where this may be a major issue related to a profitable new firm as an outcome of the start-up process. For PSED I this is defined as three months of positive cash flow, revenue that covers all expenses and owner manager salaries. For PSED II this is defined as positive monthly cash flow covering expenses and owner-manager salaries for six of the previous twelve months. As a consequence, PSED II new firms may be better established and more viable on their birthday.

Conceptual and Operational Definitions

The most important feature of harmonizing the case comparisons involves developing case specific time lines that are independent of the dates on which the interviews were completed. This case history harmonization is based on the dates associated with steps taken to implement the new business. Excluding initial thought and positive monthly cash flow, there are 25 start-up activities included in the PSED I data set, 34 in PSED II, and 21 are common to both.

Developing dates associated with each start-up activity is a two step process:

- 1) For some cases and some events, the responses are not specific months but seasons of the year: winter, spring, summer, and autumn. For these cases the median month for each season is provided (February, May, August, and November). In those rare cases where a year has been provided but there is no information

on month or season, the month is set at June. The day is set for the 15th of the month for all calculations. This is completed for all event dates for all four waves of PSED I data and all six waves of PSED II data.

- 2) For each start-up activity, the earliest date of occurrence is identified by scanning all waves for information on the earliest reported date of inception.

For the remainder of the analysis, the start-up activity dates are used to identify the presence of activities. Those activities reported as occurring without a date are excluded from further consideration.

The information on the occurrence of start-up activities is used to determine if the case qualifies as an active nascent entrepreneur and the date of entry into the process. The procedure is as follows.

- 1) The sequence of the first eight activities is identified with a date assigned to each event. Using the SPSS YRMODA function, this is set as the number of days since October 14, 1582, (day 0 of the Gregorian calendar). This is well before any events reported by the PSED I, II respondents.
- 2) The time lag between each sequence of events is determined, first to second, second, to third, third to fourth, etc. up to seventh to eighth.
- 3) The first sequence of two events occurring within 12 months (365 days) is identified.
- 4) The first event in this sequence is considered the date of entry into the start-up process.

Note that while the first reported occurrence of serious thought about the new venture or positive monthly cash flow is recorded, neither are used to identify active nascent entrepreneurs or date of entry into the start-up process. The focus on behavior leads to exclusion of reports of “serious thought” and “positive cash flow” is excluded because it is the major measure of outcome, an indicator of a profitable new firm.

As the initiation of unreported start-up activities are obtained in all follow-up interviews, some start-up activities are reported after the initial detailed interview. This is reflected in the cumulative record of start-up activities for each case. There are a number of situations where the date of entry into the start-up process is after the initial detailed interviews.

The development of dates associated with the various outcome measures follows a different procedure.

- 1) In each follow-up interview (Waves R, S, and T in PSED I, Waves B, C, D, E, and F in PSED II) the interaction begins with a module that identifies the current status of the venture, as a new firm, an active start-up or a termination. [These are the R502 and R503, S502 and S503, and T402 and T503 for PSED I and BA50, CA50, DA50, EA50, and FA50 for PSED II.]
- 2) For PSED II the outcome status of each case—a profitable new firm, active in the start-up, and quit-- is identified based on these responses to the initial module of each follow-up interview. The interview procedure itself has specific criteria for identifying new firms or a discontinuation (or quit), all cases that do not meet either criteria are considered still active in the start-up process.

- 3) For PSED I this information is used to identify those that discontinued participation and the date this occurred. However, the date of a new firm was based on initial reports of positive monthly cash flow covering expenses in the inventory of start-up activities [R624 and R624a; S624 and S624a; T624 and T624a].

For those cases continuing as active start-ups, the last date of any follow-up interview is considered the last date an active start-up is reported.

Identification of cases meeting the criteria for an active nascent entrepreneur involves the following steps. The bases for attrition are presented in Table 1. As the criteria are applied sequentially, some cases might be disqualified on the basis of several criteria.

- 1) The date of initial positive monthly cash flow covering all expenses and the salaries of the owner-managers is determined, based on data in the initial and follow-up interviews. Those cases where this occurred prior to the screening interview are excluded from analysis.
- 2) Cases reporting less than 3 start-up acts are identified and excluded.
- 3) Cases that do not have two acts occurring within a 12 month period are excluded.
- 4) Positive cash flow reported before date of entry into the start-up.
- 5) Cases with a conception date 10 years before the screening interview are excluded.

The results of the screening assessment provide a total of 1,785 cases that may be considered active nascent entrepreneurs.

Table 1 Identification of PSED I, II cases suitable for analysis

	PSED I	PSED II	Total
Total initial cases [WT_WV_1]	830	1,214	2,044
1) Cash flow before screening interview	6	48	54
2) Less than 3 start-up activities	37	107	144
3) No two start-up activities within 12 months	7	12	19
4) Cash flow reported before entry into start-up	4	0	4
5) First start-up activity over 10 years before screen	22	16	38
Active nascent entrepreneur [WT_GD_NE]*	754	1,031	1,785
6) No follow-up interviews	116	66	182
7) Outcome status could not be determined	4	0	4
Suitable for start-up outcome analysis [WT_GD_FU]	634	965	1,599
Initial profits, suitable for firm survival [WT_GD_FS]	206	221	427
*Weighting variable discussed in the next section.			

However, a number of cases considered active nascent entrepreneurs, did not complete follow-up interviews. Hence, a sixth disqualification involved these respondents. Because the outcome status for PSED II respondents involved dates at which various events were reported, it could not be determined for four cases, a 7th disqualification. The result is a file of 1,599 cases with data on the outcome of the start-up effort.

Finally, there are 427 cases where the start-up has experienced a period of initial profits. Follow-up data has been collected on a majority of these cases which can be used to determine the survival of these new firms.

Right censoring. There is no obvious criterion for identifying the maximum period for tracking the start-up venture outcome or new firm survival. The actual calendar date for beginning the start-up or the birth of the new firm varies widely in relation to the dates of the follow-up interviews. One strategy is to track the number of cases on which follow-up data is available. As the transition of a start-up to a new firm or a quit is treated as a final disposition, this amounts to determining the length of time there is information that a start-up venture continues in the start-up mode. Time periods are processed sequentially, beginning with month one. When a time period is reached where no transition (new firm, quit) has been reported and for which no follow-up interview has been completed, the case status is assigned a missing value.

The sequential reports of outcome status of the start-up ventures are reported in Table 2. At 36 months (3 years) following entry into the start-up process there is useful data on 95% of the cases; at 72 months (6 years) there is useful data on 82% of the cases. The loss of cases accelerates at later time periods and is reduced to 71% at 120 months (10 years). For this reason, information on follow-up status is provided at 3 month intervals up to 72 months.

Table 2 Start-up Process Outcomes: PSED I, II up to 72 months

	N cases	Per Cent Cases Remain	New Firm	Active Start-up	Quit
0 months	1,599	100.0 %	0.0 %	100.0 %	0.0 %
1 month	1,597	99.9 %	0.5 %	99.3 %	0.2 %
6 months	1,596	99.8 %	3.2 %	95.1 %	1.7 %
12 months	1,595	99.7 %	6.8 %	87.1 %	6.1 %
18 months	1,586	99.2 %	10.3 %	78.9 %	10.7 %
24 months	1,572	98.3 %	14.1 %	68.6 %	17.2 %
30 months	1,551	97.0 %	17.3 %	60.0 %	22.7 %
36 months	1,532	95.8 %	20.0 %	52.7 %	27.3 %
42 months	1,509	94.4 %	22.5 %	46.3 %	31.3 %
48 months	1,496	93.6 %	24.1 %	41.0 %	35.0 %
54 months	1,477	92.3 %	24.8 %	36.8 %	38.4 %
60 months	1,455	91.0 %	26.4 %	32.6 %	41.0 %
66 months	1,380	86.3 %	28.4 %	27.0 %	44.6 %
72 months	1,319	82.5 %	30.4 %	21.5 %	48.1 %

A similar assessment can be completed on data related to new firm survival, as presented in Table 3. As the PSED research protocols focused on developing longitudinal data on nascent ventures, there is less follow-up data after the ventures reported initial profits. The proportion of cases with useful information declines rapidly with time. However, data is available for 75% of the cases at 36 months, where 75% of the cases

report initial profits and 25% have discontinued. For this reason the data set includes the new firm status at three month intervals up to 36 months.

Table 3 New Firm Survival: PSED I, II up to 36 months

	N cases	Per Cent Cases Remain	Operating New Firm	Quit
0 months	427	100.0 %	100.0 %	0.0 %
1 month	427	100.0 %	99.3 %	0.7 %
6 months	413	96.7 %	97.8 %	2.2 %
12 months	393	92.0 %	93.4 %	6.6 %
18 months	379	88.8 %	88.4 %	11.6 %
24 months	367	85.9 %	84.7 %	15.3 %
30 months	338	79.1 %	79.6 %	20.4 %
36 months	321	75.2 %	75.6 %	25.5 %

Weights

Weights have been computed for each category of cases that may be used for different analyses. Each are based on the weights assigned to the cases after the first detailed interview (Wave Q for PSED I, Wave A for PSED II). Weights are only assigned for cases that meet the distinctive criteria; cases with system missing values for a weight are ineligible cases. Hence, there are four sets of weights [identified in Table XX]:

- WT_WV_1: Assigned to all 2,044 cases completing the first detailed interview.
- WT_GD_NE: Assigned to all 1,785 good cases that qualified as active nascent entrepreneurs.
- WT_GD_FU: Assigned to all 1,599 good cases that qualified as active nascent entrepreneurs for which there are one or more follow-up interviews.
- WT_GD_NS: Assigned to all 427 good cases of a new firm with follow-up status data.

In all cases the weights have been re-centered to have an average value of one; the sum of the weights will equal the sum of the cases.

Data Overview

Data processing begins with the most recent consolidated data files from PSED I and PSED II provided on the project website [psed.isr.umich.edu] as SPSS save files. If these data files are updated as oversights are corrected, it is possible that slight changes may occur in the processing of some cases.

The variables in the data set are in ten groups, in the following sequence. The complete list of variables and their descriptions is provided in Appendix I.

- A) The case ID number, SAMPID, is the first variable in the harmonized data set. While SAMPID is the case ID number for the PSED II data set, the case ID number for the PSED I data set is RESPID. The second variable is a

- project identifier, 1999 for PSED I and 2005 for PSED II. This is the year when most screening for nascent entrepreneurs took place.
- B) Nine case weights, starting with the weights for the different waves, followed by weights for different categories of cases, discussed above.
 - C) Calendar dates for contacts with the respondents, screening interview followed by all waves of data collection. The last variable is the date of the last follow-up interview with the respondent; it is set to system missing if no follow-up interview occurred.
 - D) Identification of cases, GOODCASE, for different analyses.
 - E) Time markers for various events associated with cases for which follow-up interviews were completed.
 - F) Time markers for various events associated with cases reporting a profitable new firm and follow-up data on survival.
 - G) The dates of up to the first eight acts for each case, in sequence
 - H) Dates associated with all start-up activities; start-up activities with no dates treated as system missing values.
 - I) Outcome status of active nascent ventures at 3 month intervals from 1 to 72 months.
 - J) Survival status of those profitable new firms at 3 months intervals from 1 to 36 months.

In order to track the items in different data collection waves, unique wave specific letters are used as the first character of all variable labels. Different systems, however, were used for PSED I and II. For this consolidated data set, numbers are used to refer to the specific waves of detailed data collection. The correspondence is presented in Table 4.

Table 4 Data Collection Wave Identification, Consolidated versus PSED I, II

Consolidated	PSED I	PSED II
Screen	Screen	Screen
1	Q	A
2	R	B
3	S	C
4	T	D
5	--	E
6	--	F

Project Background

All screening, phone, and mail questionnaires (PSED I only) for both PSED I and II are available on the project website [psed.isr.umich.edu]. Also included are the consolidated data sets, screener plus four waves for PSED I and screener plus six waves for PSED II. In addition, the consolidated code book for both data sets is available. There

is no charge for any material; it can be accessed and downloaded by anyone with access to the internet.

There are a number of sources providing background on the design and operational features of the PSED I and PSED II projects. An initial overview of the design and preliminary results of PSED I is provided in Reynolds (2000); this has been substantially updated in Appendices A and B in Gartner, et al. (2004). The theoretical and conceptual justification for the major modules in PSED I, and by reference in PSED II, is provided in 38 chapters in Gardner, et al (2004); each chapter prepared by the teams responsible for the different modules. The appendix of several monographs (Reynolds, 2007; Reynolds and Curtin, 2008) provides an overview of the major features of the research program. The appendix of a volume providing initial overview of PSED II results (Reynolds and Curtin, 2009) is a detailed introduction to the PSED II research methodology. The diverse strategies used to identify and track new firm creation in eight national panel studies, with comparisons across studies, is provided in Reynolds and Curtin (2011).

References

- Gartner, W.B., K.G. Shaver, N. M. Carter, and P. D. Reynolds (Eds). 2004. Handbook of Entrepreneurial Dynamics: The Process of Business Creation. Thousand Oaks, CA: Sage Publications.
- Reynolds, Paul D. 2000. "National Panel Study of U.S. Business Start-ups: Background and Methodology." In Jerome A. Katz (Editor), Advances in Entrepreneurship, Firm Emergence and Growth, Vol. 4. Stamford, CT: JAI Press, Pp. 153-228.
- Reynolds, Paul Davidson. 2007. New Firm Creation in the U.S.: A PSED I Overview. Foundations and Trends in Entrepreneurship 3(1):1-149.
- Reynolds, Paul D. and Richard T. Curtin. 2008. Business Creation in the United States: Panel Study of Entrepreneurial Dynamics II Initial Assessment", Foundations and Trends in Entrepreneurship. 4(3):155-307.
- Paul D. Reynolds and Richard T. Curtin (Eds). 2011. New Firm Creation: An International Overview. New York: Springer.
- Paul D. Reynolds and Richard T. Curtin (Eds). 2009. New Firm Creation in the U.S.: Initial Explorations with the PSED II Data Set. New York: Springer.

Appendix I Variable Description

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
SAMPID CASE ID: RESPID IN PSED I, SAMPID IN PSED II	2044	50001	3.E+8	1.34E+8	162086239.6
PROJECT PROJECT ID: 1999 = PSED I; 2005 = PSED II	2044	1999.00	2005.00	2002.56	2.94730
WT_WV_1 1ST WAVE WEIGHT: Q IN PSED I, A IN PSED II	2044	.35	2.75	1.0000	.51525
WT_WV_2 2ND WAVE WEIGHT: R IN PSED I, B IN PSED II	1473	.46	2.74	1.0000	.51651
WT_WV_3 3RD WAVE WEIGHT: S IN PSED I, C IN PSED II	1488	.31	3.11	1.0000	.63362
WT_WV_4 4TH WAVE WEIGHT: T IN PSED I, D IN PSED II	1482	.36	2.84	1.0000	.59296
WT_WV_5 5TH WAVE WEIGHT:NONE IN PSED I, E IN PSED II	969	.36	2.88	1.0000	.66371
WT_WV_6 6TH WAVE WEIGHT:NONE IN PSED I, F IN PSED II	968	.31	6.18	1.0550	.74183
WT_GD_NE PSEDII:WT RE-CENTERED 4 GOODCASE NASCENT ENTREPRENEURS	1785	.35	2.78	1.0000	.51038
WT_GD_FS WEIGHT: GOOD CASE WITH FOLLOW_UP STATUS	1599	.35	2.81	1.0000	.51747
WT_GD_NS WEIGHT: GOOD CASE WITH FIRM OUTCOME STATUS	427	.36	2.88	1.0000	.47832
SC_DATE SCREENING INTERVIEW DATE	2040	151841	154605	153502	1254.116
W1_DATE 1ST WAVE IW DATE: Q IN PSED I, A IN PSED II	2044	151851	154636	153533	1237.761
W2_DATE 2ND WAVE IW DATE: R IN PSED I, B IN PSED II	1473	152279	155024	154056	1217.260

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
W3_DATE 3RD WAVE IW DATE: S IN PSED I, C IN PSED II	1257	152868	155442	154355	1166.949
W4_DATE 4TH WAVE IW DATE: T IN PSED I, D IN PSED II	1060	153622	155780	154667	1018.319
W5_DATE 5TH WAVE IW DATE:NONE IN PSED I, E IN PSED II	435	155677	156132	156063	45.734
W6_DATE 6TH WAVE IW DATE:NONE IN PSED I, F IN PSED II	375	156337	156506	156421	42.826
LIW_DATE DATE OF LAST FOLLOW-UP INTERVIEW	1805	152285	156506	154834	1231.925
GOODCASE IDENTIFY CASES OF LESS SERIOUS EFFORTS> 0	2044	.00	90.00	13.3317	27.03319
GOODC_FU CASES SUITABLE FOR ANALYSIS INVOLVING FOLLOW-UP DATE	1603	1.00	1.00	1.0000	.00000
GOODC_NE CASES SUITABLE FOR ANALYSIS INVOLVING 1ST WAVE RESP	1785	1.00	1.00	1.0000	.00000
SUSTATUS START-UP VENTURE:LAST KNOWN STATUS	2044	1.00	9.00	2.9873	2.35242
SU_BEGIN CONCEPT MTH,YR:BASED ON 2 ACT W/N 12 MTHS	1947	137514	155838	152727	1770.294
SU_NEWF DATE NEW FIRM LAUNCHED	478	141258	156111.0	153470	1596.48497
SU_ACTIV LAST DATE SU ACTIVE, ALL WAVES	555	152279	156497.0	154498	1643.05788
SU_QUIT DATE DISENGAGEMENT FROM START-UP ...	766	151820	156356.0	154387	1201.15613
C_NEWF MONTHS: CONCEPTION TO NEW FIRM BIRTH	472	-347.01	304.99	31.9858	40.61258

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
C_QUIT MONTHS: CONCEPTION TO QUIT START-UP	711	-43.04	475.04	36.3427	36.91110
C_SUACT MONTHS: CONCEPTION TO STILL ACTIVE IN SU	542	-32.07	585.76	71.0836	49.42658
NFSTATUS PROFITABLE NEW FIRM:LAST KNOWN STATUS	474	1.00	2.00	1.2700	.44445
NF_BEGIN NEW FIRM: DATE FIRST REPORTED PROFITS	474	148016	156111.0	153511	1487.29568
NF_ACT NEW FIRM: LAST KNOWN DATE OF SURVIVAL	346	152329	156506.0	155004	1392.92704
NF_QUIT NEW FIRM: DATE TERMINATED OPERATIONS	128	151243	156386.0	154128	1567.39982
NF_SR_L PROFITABLE NEW FIRM:KNOWN SURIVAL (MTHS)	407	1.22	210.53	48.7393	27.16035
NF_QT_L PROFITABLE NEW FIRM:TIME TO QUIT (MTHS)	129	-23.00	162.04	27.3276	22.73107
SUACT_1 DATE OF FIRST ACT IN START-UP SEQUENCE	2033	123179	154956.0	151951	3136.04683
SUACT_2 DATE OF SECOND ACT IN START- UP SEQUENCE	1995	135384	155930.0	152666	1993.71938
SUACT_3 DATE OF THIRD ACT IN START- UP SEQUENCE	1900	143419	156052.0	152924	1660.03052
SUACT_4 DATE OF FOURTH ACT IN START- UP SEQUENCE	1771	144303	155868.0	153056	1569.70985
SUACT_5 DATE OF FIFTH ACT IN START-UP SEQUENCE	1575	144637	156325.0	153176	1544.76493
SUACT_6 DATE OF SIXTH ACT IN START-UP SEQUENCE	1362	144788	156264.0	153271	1530.34100

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
SUACT_7 DATE OF SEVENTH ACT IN START-UP SEQUENCE	1183	145856	156448.0	153414	1509.67482
SUACT_8 DATE OF EIGHTH ACT IN START-UP SEQUENCE	976	145884	156417.0	153486	1500.23589
THINK_AW PSEDII 1ST DATE:INITIAL SERIOUS THOUGHT	2035	135718	154591.0	152299	2194.47209
BUSPLNAW PSEDII 1ST DATE:BUSINESS PLAN INITIATED	1480	135718	156356.0	153065	1703.18810
MODEL_AW PSEDII 1ST DATE:MODEL, PROTOTPE INITIATED	1640	123179	156325.0	152555	2554.62769
PROMOTAW PSEDII 1ST DATE:PROMOT 4 PROD/SERV INITIATED	1346	133192	156386.0	153112	1833.01144
PATENTAW PSEDII 1ST DATE:PATENT,TRADE, COPY INITIATED	344	133192	156052.0	152456	2153.33415
PURCHAAW PSEDII 1ST DATE:PURC,MATERIAL, SUPPL,INVENT	1527	137880	156356.0	152981	1725.47584
LEASE_AW PSEDII 1ST DATE:PURC,LEASED CAPITAL ASSET	1339	137910	156386.0	153126	1707.81604
DFNMKTAW PSEDII 1ST DATE:DEFINING MARKETS INITIATED	1588	143633	156264.0	152872	1633.29577
FINPRJAW PSEDII 1ST DATE:FINANCIAL PROJECT INITIATED	1051	144515	156417.0	153146	1502.94308
ONINVAW1 PSEDII 1ST DATE:1ST INFORMAL INVEST:OWNER#1	1756	137514	155991.0	152805	1757.75745
ASKFNDAW PSEDII 1ST DATE:FIRST ASKED FOR FUNDING	629	143633	156448.0	153169	1625.61355
SUPCRDAW PSEDII 1ST DATE:SUPPLIER CREDIT ESTABLISHED	889	145094	156295.0	153042	1621.62941

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
FTWK_AW1 PSEDII 1ST DATE:FULL TIME INVOLVED:OWN#1	744	143999	154622.0	152872	1498.91378
HIRE__AW PSEDII 1ST DATE:FIRST PERSON HIRED	498	145884	156325.0	153248	1577.64711
BKACCTAW PSEDII 1ST DATE:OPENED BANK ACCT FOR BUSINESS	1090	145368	156448.0	153220	1521.20690
SALES_AW PSEDII 1ST DATE:FIRST INCOME RECEIVED	1330	143633	156264.0	153120	1622.72142
CSHFL_AW PSEDII 1ST DATE:FIRST MTHLY POSIT CASH FLOW	553	141258	155930.0	153347	1522.38554
PHLISTAW PSEDII 1ST DATE:GOT INTERNET/PHONE LISTING	1009	145246	156448.0	153659	1330.31957
UNEMP_AW PSEDII 1ST DATE:FIRST STATE UNEMPLOYMENT INS	331	147072	156233.0	153287	1570.34244
FICA__AW PSEDII 1ST DATE:FIRST FEDERAL FICA PAYMENT	589	146341	156356.0	153279	1620.38134
FEDTAXAW PSEDII 1ST DATE:FIRST FEDERAL INCOME TAX	945	147011	156142.0	153367	1619.01233
DANDB_AW PSEDII 1ST DATE:KNOW LISTED IN D&B	163	143480	156083.0	153486	1765.57589
SPACE_AW PSEDII 1ST DATE:FIRST USE PHYSICAL SPACE	887	144395	156386.0	154114	935.99224
LEGAL_AW PSEDII 1ST DATE:LEGAL FORM REGISTERED	592	148107	156142.0	154219	898.72157
LIABISAW PSEDII 1ST DATE:LIABILITY INSURANCE BOUGHT	375	147072	156448.0	154378	817.10875
PRTECHAW PSEDII 1ST DATE:PROPRIET TECH FULLY DEVELOP	146	143999	156417.0	154043	1425.40750

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
TLKCSTAW PSEDII 1ST DATE:BEGAN TO TALK TO CUSTOMERS	1037	144545	156052.0	154160	879.52430
IFOCPTAW PSEDII 1ST DATE:BEGAN COLLECT COMPETIR INFO	887	139797	156356.0	154073	1080.50409
FNDREGAW PSEDII 1ST DATE:DETERMINED REGULAT REQUIRE	775	144515	156386.0	154221	967.31946
GETFNDAW PSEDII 1ST DATE:GOT FIRST FUNDING	243	149537	156448.0	154492	778.06898
HRACCTAW PSEDII 1ST DATE:HIRED ACCOUNTANT	483	147651	156448.0	154347	825.19768
HRLAWRAW PSEDII 1ST DATE:HIRED LAWYER	319	148898	156356.0	154381	818.60334
TDASOCAW PSEDII 1ST DATE:JOINED TRADE ASSOCIATION	272	149902	156386.0	154501	825.53315
EIN__AW PSEDII 1ST DATE:FILED FOR FEDERAL EIN NUMBER	438	141016	156448.0	154253	1185.07945
DBA__AW PSEDII 1ST DATE:FILED FICTICIOUS (DBA) NAME	357	146646	156325.0	154232	1090.41331
EQTAGAW1 PSEDII 1ST DATE:SIGNED AGREE: OWN #1	145	152185	156417.0	154387	633.49290
CLASS_AW PSED_I 1ST DATE :TOOK CLASS, WORKSHOP ON START- UPS	467	135476	153585	150222	2601.683
CLDCARAW PSED_I 1ST DATE :ARRANGED CHILD CARE, HOUSEKEEPING	347	140832	153646	151634	996.170
SAVMONAW PSED_I 1ST DATE :BEGAN SAVING TO INVEST IN ...	661	129570	153495	151234	1477.254
SUTEAMAW PSED_I 1ST DATE :START-UP TEAM FORMED	553	134288	153676	151551	1120.595

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
PHLINEAW PSED_I 1ST DATE :INITIAL DEDICATED PHONE LINE	280	141228	153615	151828	1035.023
SUST_000 00 MTH AFTER ENTRY:START- UP STATUS	1599	2.00	2.00	2.0000	.00000
SUST_001 01 MTH AFTER ENTRY:START- UP STATUS	2044	1.00	3.00	1.9951	.10828
SUST_003 03 MTH AFTER ENTRY:START- UP STATUS	2043	1.00	3.00	1.9912	.16238
SUST_006 06 MTH AFTER ENTRY:START- UP STATUS	2043	1.00	3.00	1.9887	.23288
SUST_009 09 MTH AFTER ENTRY:START- UP STATUS	2041	1.00	3.00	1.9922	.29362
SUST_012 12 MTH AFTER ENTRY:START- UP STATUS	2041	1.00	3.00	1.9976	.35216
SUST_015 15 MTH AFTER ENTRY:START- UP STATUS	2038	1.00	3.00	2.0039	.39260
SUST_018 18 MTH AFTER ENTRY:START- UP STATUS	2032	1.00	3.00	2.0089	.43924
SUST_021 21 MTH AFTER ENTRY:START- UP STATUS	2027	1.00	3.00	2.0187	.48231
SUST_024 24 MTH AFTER ENTRY:START- UP STATUS	2018	1.00	3.00	2.0253	.52015
SUST_027 27 MTH AFTER ENTRY:START- UP STATUS	2010	1.00	3.00	2.0279	.54760
SUST_030 30 MTH AFTER ENTRY:START- UP STATUS	1999	1.00	3.00	2.0400	.57943
SUST_033 33 MTH AFTER ENTRY:START- UP STATUS	1986	1.00	3.00	2.0473	.60458

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
SUST_036 36 MTH AFTER ENTRY:START- UP STATUS	1980	1.00	3.00	2.0556	.62534
SUST_039 39 MTH AFTER ENTRY:START- UP STATUS	1968	1.00	3.00	2.0600	.64681
SUST_042 42 MTH AFTER ENTRY:START- UP STATUS	1958	1.00	3.00	2.0689	.66202
SUST_045 45 MTH AFTER ENTRY:START- UP STATUS	1953	1.00	3.00	2.0758	.67629
SUST_048 48 MTH AFTER ENTRY:START- UP STATUS	1943	1.00	3.00	2.0834	.68847
SUST_051 51 MTH AFTER ENTRY:START- UP STATUS	1934	1.00	3.00	2.0905	.69629
SUST_054 54 MTH AFTER ENTRY:START- UP STATUS	1923	1.00	3.00	2.0983	.70763
SUST_057 57 MTH AFTER ENTRY:START- UP STATUS	1917	1.00	3.00	2.1012	.71968
SUST_060 60 MTH AFTER ENTRY:START- UP STATUS	1900	1.00	3.00	2.1047	.72934
SUST_063 63 MTH AFTER ENTRY:START- UP STATUS	1859	1.00	3.00	2.1114	.74164
SUST_066 66 MTH AFTER ENTRY:START- UP STATUS	1823	1.00	3.00	2.1157	.75427
SUST_069 69 MTH AFTER ENTRY:START- UP STATUS	1791	1.00	3.00	2.1184	.76476
SUST_072 72 MTH AFTER ENTRY:START- UP STATUS	1755	1.00	3.00	2.1231	.77791
NFST_000 00 MTH AFTER BIRTH:NEW FIRM STATUS	427	1.00	1.00	1.0000	.00000

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
NFST_001 01 MTH AFTER BIRTH:NEW FIRM STATUS	427	.00	1.00	.9906	.09645
NFST_003 03 MTH AFTER BIRTH:NEW FIRM STATUS	422	.00	1.00	.9858	.11853
NFST_006 06 MTH AFTER BIRTH:NEW FIRM STATUS	410	.00	1.00	.9780	.14670
NFST_009 09 MTH AFTER BIRTH:NEW FIRM STATUS	402	.00	1.00	.9577	.20150
NFST_012 12 MTH AFTER BIRTH:NEW FIRM STATUS	392	.00	1.00	.9337	.24917
NFST_015 15 MTH AFTER BIRTH:NEW FIRM STATUS	387	.00	1.00	.9070	.29084
NFST_018 18 MTH AFTER BIRTH:NEW FIRM STATUS	380	.00	1.00	.8763	.32965
NFST_021 21 MTH AFTER BIRTH:NEW FIRM STATUS	371	.00	1.00	.8464	.36109
NFST_024 24 MTH AFTER BIRTH:NEW FIRM STATUS	365	.00	1.00	.8301	.37603
NFST_027 27 MTH AFTER BIRTH:NEW FIRM STATUS	347	.00	1.00	.8069	.39529
NFST_030 30 MTH AFTER BIRTH:NEW FIRM STATUS	335	.00	1.00	.7761	.41747
NFST_033 33 MTH AFTER BIRTH:NEW FIRM STATUS	329	.00	1.00	.7386	.44007
NFST_036 36 MTH AFTER BIRTH:NEW FIRM STATUS	320	.00	1.00	.7219	.44878
Valid N (listwise)	0				

PSED I, II Harmonized Transitions, Outcomes Data Set

Paul D Reynolds and Richard T. Curtin

04 August 2011

Outline

Introduction
Considerations in Harmonization, Defining Transitions
Conceptual and Operational Definitions
Weights
Data Overview
Project Background
References

Appendix I Variable description

Separate file

Appendix II Organization of the data processing files
Appendix III Data processing syntax files

Appendix II Overview of File Processing Sequence

Program	Input	Processing Objectives	Output
		PSED I INITIAL PROCESSING	
ACTS_T01.SPS	W1412APR.SAV	Adjust dates for all start-up acts for Scrn, Waves Q, R, S, & T to approximate dates for those with season instead of months and years and no months provided.	ACTS_T01.SAV
ACTS_T02.SPS	ACTS_T01.SAV	Calculate dates for each start-up activity by wave; calculate the initial dates for each activity, giving priority to earlier interviews	ACTS_T02.SAV
ACTS_T03.SPS	ACTS_T02.SAV	Compute positive cash flow before screen, identify nature and dates of acts in sequence, time lag between acts.	ACTS_T03.SAV
ACTS_T04.SPS	ACTS_T03.SAV	Use all act data to define conception and create measures of the good cases for analyses.	ACTS_T04.SAV
ACTS_T05.Sps	ACTS_T04.SAV	Track outcome status and time lags using waves R, S, & T follow-up data.	ACTS_T05.SAV
		PSED II INITIAL PROCESSING	
ACTS_F01.sps	PSEDII_SCRN_A BCDEF.SAV	Adjust dates for all start-up acts for Scrn, Waves A, B, C, D, E, F to approximate dates for those with season instead of months and years and no months provided.	ACTS_F01.SAV
ACTS_F02.SPS	ACTS_F01.SAV	Calculate dates for each start-up activity by wave; calculate the initial dates for each activity, giving priority to earlier interviews	ACTS_F02.SAV
ACTS_F03.SPS	ACTS_F02.SAV	Compute positive cash flow before screen, identify nature and dates of acts in sequence, time lag between acts.	ACTS_F03.SAV
ACTS_F04.SPS	ACTS_F03.SAV	Use all act data to define conception and create measures of the good cases for analyses.	ACTS_F04.SAV
ACTS_F05.Sps	ACTS_F04.SAV	Track outcome status and time lags using waves B,C,D, E, F follow-up data.	ACTS_F05.SAV
		CREATION OF CONSOLIDATE FILE	
OUT_0030.SPS	ACTS_T05.SAV; ACTS_F05.SAV	Drop all variables from each data set not needed to creating transition markers, standardize some variable labels	OUT_0030.SAV
OUT_0031.SPS	OUT_0030.SAV	Produce measures of start-up outcome for all eligible nascent entrepreneur cases for every six months from start-up entry to 72 months.	OUT_0031.SAV
OUT_0032.SPS	OUT_0031.SAV	Produce measures of new firm survival for all profitable new firms for every six months from initial profits to 36 months.	OUT_0032.SAV
OUT_0033.SPS	OUT_0032.SPS	Produce final files for distribution	PSED1_2_OUT.SAVE; PSED1_2_OUT.XLS; PSED1_2_OUT.SAS; PSED1-2_OUT.STA

Appendix III Data processing syntax files

TITLE 'C:\PSED_I\WAVE_T\SPSS_PRO\ACTS_T01.SPS'.
SUBTITLE 'INITIAL PROCESSING OF START-UP ACTS FROM PSED I'.

*.
* SPSS-PC COMMAND STATEMENTS.

*=====.

*.
* FULL FREQUENCIES FOR ALL PSED Q,R,S,& T WAVE VARIABLES.

*.
* SYNTAX PROCESSING FILE CONVERTED FROM OUTCOMX2, WHICH.
* STARTED WITH ASSEMBLING VARIABLES FROM 13 FILES, EACH WITH.
* NO MORE THAN 500 VARIABLES.

*.
* PDR - 26 JULY 2011.

*=====.

*.
GET FILE = 'C:\PSED_I\WAVE_T\SPSS_DAT\W1412APR.SAV'.

*.
DESC VAR RESPID RTYPE.
FREQ VAR RTYPE.
EXECUTE.

DESC VAR =
RESPID RTYPE
PHYR2 PHMTH2 PHDAY2
SCREENYR SCREENMT SCREENDA
PHYR PHMTH PHDAY
TEAMSZ TEAMSZP
AUTONSU AUTONSU4
NCGENDER NCAGE NCAGE5
USRACE4
NESTATUS NISTATUS
SUSECT10 SUSIC10C
USEDUC5 USLABFR3
Q199 Q200
Q213_1 Q214_1
Q109
Q110 Q110A
Q115 Q115A
Q119 Q119A
Q121 Q121A
Q123 Q123A
Q127 Q127A
Q130 Q130A
Q133 Q133A
Q136 Q136A
Q138 Q138A
Q142 Q142A
Q144 Q144A
Q148 Q148A
Q150 Q150A

Q152 Q152A
Q154 Q154A
Q157 Q157A
Q161 Q161A
Q162A Q162B
Q166 Q166A
Q170 Q170A
Q172 Q172A
Q174 Q174A
Q176 Q176A
Q178 Q178A
Q180
Q182 Q182A.

*.

=====

*.

* IF YEAR KNOWN AND MONTH UNKNOWN, ESTIMATE MONTH AT JUNE.

*.

=====

*.

IF ((MISSING(Q110) NE 1)&(MISSING(Q110A) = 1)) Q110A = 6.

IF ((MISSING(Q115) NE 1)&(MISSING(Q115A) = 1)) Q115A = 6.

IF ((MISSING(Q119) NE 1)&(MISSING(Q119A) = 1)) Q119A = 6.

IF ((MISSING(Q121) NE 1)&(MISSING(Q121A) = 1)) Q121A = 6.

IF ((MISSING(Q123) NE 1)&(MISSING(Q123A) = 1)) Q123A = 6.

*.

IF ((MISSING(Q127) NE 1)&(MISSING(Q127A) = 1)) Q127A = 6.

IF ((MISSING(Q130) NE 1)&(MISSING(Q130A) = 1)) Q130A = 6.

IF ((MISSING(Q133) NE 1)&(MISSING(Q133A) = 1)) Q133A = 6.

IF ((MISSING(Q136) NE 1)&(MISSING(Q136A) = 1)) Q136A = 6.

IF ((MISSING(Q138) NE 1)&(MISSING(Q138A) = 1)) Q138A = 6.

*.

IF ((MISSING(Q142) NE 1)&(MISSING(Q142A) = 1)) Q142A = 6.

IF ((MISSING(Q144) NE 1)&(MISSING(Q144A) = 1)) Q144A = 6.

IF ((MISSING(Q148) NE 1)&(MISSING(Q148A) = 1)) Q148A = 6.

IF ((MISSING(Q150) NE 1)&(MISSING(Q150A) = 1)) Q150A = 6.

IF ((MISSING(Q152) NE 1)&(MISSING(Q152A) = 1)) Q152A = 6.

*.

IF ((MISSING(Q154) NE 1)&(MISSING(Q154A) = 1)) Q154A = 6.

IF ((MISSING(Q157) NE 1)&(MISSING(Q157A) = 1)) Q157A = 6.

IF ((MISSING(Q161) NE 1)&(MISSING(Q161A) = 1)) Q161A = 6.

IF ((MISSING(Q162A) NE 1)&(MISSING(Q162B) = 1)) Q162B = 6.

IF ((MISSING(Q170) NE 1)&(MISSING(Q170A) = 1)) Q170A = 6.

*.

IF ((MISSING(Q174) NE 1)&(MISSING(Q174A) = 1)) Q174A = 6.

IF ((MISSING(Q176) NE 1)&(MISSING(Q176A) = 1)) Q176A = 6.

IF ((MISSING(Q178) NE 1)&(MISSING(Q178A) = 1)) Q178A = 6.

IF ((MISSING(Q182) NE 1)&(MISSING(Q182A) = 1)) Q182A = 6.

*.

*FREQUENCIES VAR =

Q110 Q110A

Q115 Q115A

Q119 Q119A

Q121 Q121A

Q123 Q123A
Q127 Q127A
Q130 Q130A
Q133 Q133A
Q136 Q136A
Q138 Q138A
Q142 Q142A
Q144 Q144A
Q148 Q148A
Q150 Q150A
Q152 Q152A
Q154 Q154A
Q157 Q157A
Q161 Q161A
Q162A Q162B
Q166 Q166A
Q170 Q170A
Q172 Q172A
Q174 Q174A
Q176 Q176A
Q178 Q178A
Q180
Q182 Q182A
/FORMAT ONEPAGE/STAT ALL.

*.
DESCRIPTIVES = RESPID HHINCR5 HHNETR6.

*.
DESCRIPTIVES VAR RESPID Q343
Q353A_MT Q354_MT Q357_MT Q358 Q358A Q358B.

*.
DESCRIPTIVES VAR RESPID R502 R503 R563 R563a R537 R537A

R624 R624A
R567 R567A
R572 R572A
R576 R576A
R578 R578A
R580 R580A
R584 R584A
R587 R587A
R590 R590A
R593 R593A
R595 R595A
R599 R599A
R601 R601A
R605 R605A
R607 R607A
R609 R609A
R611 R611A
R614 R614A
R618 R618A
R620 R620A
R628 R628A
R630 R630A
R632 R632A

R634 R634A
R636 R636A
R638
R640 R640A
/BY RESPID.

*.

DESCRIPTIVES VAR RESPID R733 R733A R734 R734A
R735 R735A R736 R736A
R742 R742A R742B.

*.

DESCRIPTIVES VAR RESPID
R624_MY
S502 S503 S563 S563a S537 S537A
S501A S501B S501D
S512G S513A S513B
S514E S514F S514G S514H
S514I S514J
S567 S567A
S572 S572A
S576 S576A
S578 S578A
S580 S580A
S584 S584A
S587 S587A
S590 S590A
S593 S593A
S595 S595A
S599 S599A
S601 S601A
S605 S605A
S607 S607A
S609.

*.

DESCRIPTIVES VAR RESPID
S609A
S611 S611A
S614 S614A
S618 S618A
S620 S620A
S628 S628A
S630 S630A
S632 S632A
S634 S634A
S636 S636A
S638
S640 S640A
S624 S624A
S733 S733A S734 S734A
S735 S735A S736 S736A
S742 S742A S742B
S77503 S77503A.

*.

DESCRIPTIVES VAR = RESPID PHDAY3 PHMTH3 PHYR3.

*.

DESCRIPTIVES VAR = RESPID PHDAY4 PHMTH4
S624_MY
WTW1 WTW2 WTW3 WTCG
PGRACE.

*.
DESCRIPTIVES VAR = RESPID T502 T503
T501A T501B T501D
T512G T513A T513B
T514E T514F T514G T514H
T514I T514J.

*.
DESCRIPTIVES VAR = RESPID
T624 T624A
T563 T563a T537 T537A
T567 T567A
T572 T572A
T576 T576A
T578 T578A
T580 T580A
T584 T584A
T587 T587A
T590 T590A
T593 T593A
T595 T595A
T599 T599A
T601 T601A
T605 T605A
T607 T607A
T609 T609A
T611 T611A
T614 T614A
T618 T618A
T620 T620A
T628 T628A
T630 T630A
T632 T632A
T634 T634A
T636 T636A
T638
T640 T640A.

*.
DESC VAR = RESPID
T624_MY
T733 T733A T734 T734A
T735 T735A T736 T736A
T742 T742A T742B
T775E T775F
PHYR4
WTW4.

*.
*.
*=====
*.
*
* DROP OUT COMPARISON GROUP.

```

*.
*=====
*.
FREQ VAR RTYPE.
*.
SELECT IF (RTYPE LT 20).
*.
*=====
*.
* EXCLUDE CASES WITH EXCESSIVE HISTORY OF MONTHLY CASH FLOW.
* SEE PAGE 499 OF HANDBOOK, TABLE C.3.
*.
*=====
*.
COMPUTE CASEKEEP = 0.
VARIABLE LABEL
CASEKEEP '0 = GOOD CASE, >0 DROP.
VALUE LABELS CASEKEEP
0 'GOOD CASE'
91 'EARLY +MTH CASH FLOW'.
*.
IF (RESPID = 328100124) CASEKEEP = 91.
IF (RESPID = 328100145) CASEKEEP = 91.
IF (RESPID = 328100395) CASEKEEP = 91.
IF (RESPID = 328100541) CASEKEEP = 91.
IF (RESPID = 337800137) CASEKEEP = 91.
IF (RESPID = 328100601) CASEKEEP = 91.
*.
FREQ VAR CASEKEEP.
*.
*=====
*.
* COMPUTE OUTCOME STATUS BASED ON R ASSESSMENT.
*.
*=====
*.
FREQ VAR R502 R503 S502 S503 T502 T503
R563 R563A S563 S563A T563 T563A/STAT ALL.
*.
IF ((R502 = 5)&(R503 = 1)) R502 = 1.
IF ((R502 = 5)&(R503 = 2)) R502 = 2.
IF ((R502 = 5)&(R503 = 3)) R502 = 3.
IF ((R502 = 5)&(R503 = 4)) R502 = 4.
*.
*.
IF ((S502 = 9)&(S503 = 1)) S502 = 1.
IF ((S502 = 9)&(S503 = 2)) S502 = 2.
IF ((S502 = 9)&(S503 = 3)) S502 = 3.
IF ((S502 = 9)&(S503 = 4)) S502 = 4.
*.
*.
IF ((T502 = 5)&(T503 = 1)) T502 = 1.
IF ((T502 = 5)&(T503 = 2)) T502 = 2.
IF ((T502 = 5)&(T503 = 3)) T502 = 3.

```

```

IF ((T502 = 5)&(T503 = 4)) T502 = 4.
*.
*.
IF (SYSMIS(R502) = 1) R502 = 9.
IF (SYSMIS(S502) = 1) S502 = 9.
IF (SYSMIS(T502) = 1) T502 = 9.
*.
ADD VALUE LABEL R502 S502 T502
  9 'MISSING DATA'.
*.
MISSING VALUES R502 S502 T502 (9).
*.
VARIABLE LABEL
  R502 'OUTCOME STATUS:FIRST FOLLOW-UP'/
  S502 'OUTCOME STATUS:SECOND FOLLOW-UP'/
  T502 'OUTCOME STATUS:THIRD FOLLOW-UP'.
*.
FREQ VAR R502 S502 T502/STAT ALL.
MISSING VALUES R502 S502 T502 (.).
CROSSTABS TABLES =
  R502 BY S502 T502/
  S502 BY T502.
*.
COMPUTE OUTCOME = R502.
*.
VARIABLE LABEL
  OUTCOME "OUTCOME STATUS:R'S REPORT".
VALUE LABEL OUTCOME
  1 'OPERATING BUSS'
  2 'ACTIVE START-UP'
  3 'INACTIVE START-UP'
  4 'NO LONGER WORKED ON'
  9 'DK/MISSING'.
FREQ VAR OUTCOME/STAT ALL.
*.
IF ((OUTCOME GT 1)&(S502 LT 9)) OUTCOME = S502.
FREQ VAR OUTCOME/STAT ALL.
*.
IF ((OUTCOME GT 1)&(T502 LT 9)) OUTCOME = T502.
FREQ VAR OUTCOME/STAT ALL.
*.
CROSSTABS TABLE =
  OUTCOME BY RTYPE R502 S502 T502/CELL COUNT COL ROW.
*.
*=====
*.
* STANDARDIZED TIME MARKERS: INTERVIEW DATES.
*.
*=====
*.
COMPUTE SC_DATE = (YRMODA(SCREENYR,SCREENMT,SCREENDA)).
COMPUTE W1_DATE = (YRMODA(PHYR,PHMTH,PHDAY)).
COMPUTE W2_DATE = (YRMODA(PHYR2,PHMTH2,PHDAY2)).
COMPUTE W3_DATE = (YRMODA(PHYR3,PHMTH3,PHDAY3)).

```

COMPUTE W4_DATE = (YRMODA(PHYR4,PHMTH4,PHDAY4)).

*.

COMPUTE LS_DATE = W4_DATE.

IF (SYSMIS(W4_DATE) = 1) LS_DATE = W3_DATE.

IF (SYSMIS(LS_DATE) = 1) LS_DATE = W2_DATE.

*.

VARIABLE LABELS

SC_DATE 'SCREENING : STANDARDIZED DATE'/

W1_DATE 'WAVE 1 INTERVIEW: STANDARDIZED DATE'/

W2_DATE 'WAVE 2 INTERVIEW: STANDARDIZED DATE'/

W3_DATE 'WAVE 3 INTERVIEW: STANDARDIZED DATE'/

W4_DATE 'WAVE 4 INTERVIEW: STANDARDIZED DATE'/

LS_DATE 'LAST INTERVIEW: STANDARDIZED DATE'.

*.

COMPUTE TL_MTHS = ((LS_DATE - W1_DATE)/30.4375).

FORMAT TL_MTHS (F6.2).

VARIABLE LABEL

TL_MTHS 'TIME LAPSE, MTHS:1ST TO LAST PHONE ITRW'.

*.

*.

=====

*.

* COMPUTE TIME R CONTINUES AS AN ACTIVE START-UP.

*.

=====

*.

IF (R502 = 2) RACSU_W2 = W2_DATE.

IF (S502 = 2) RACSU_W3 = W3_DATE.

IF (T502 = 2) RACSU_W4 = W4_DATE.

*.

COMPUTE RACSU_AW = RACSU_W2.

IF (SYSMIS(RACSU_AW) = 1) RACSU_AW = RACSU_W3.

IF (SYSMIS(RACSU_AW) = 1) RACSU_AW = RACSU_W4.

*.

VARIABLE LABEL

RACSU_W2 'ACTIVE START-UP:WAVE 2 DATE'/

RACSU_W3 'ACTIVE START-UP:WAVE 3 DATE'/

RACSU_W4 'ACTIVE START-UP:WAVE 4 DATE'/

RACSU_AW 'ACTIVE START-UP:ALL WAVES'.

*.

FORMAT RESPID (F10.0) RACSU_W2 TO RACSU_AW (F7.0).

DESC VAR RACSU_W2 TO RACSU_AW.

FREQ VAR RACSU_W2 TO RACSU_AW/FORMAT ONEPAGE/STAT ALL.

*.

*LIST RESPID R502 S502 T502 RACSU_AW RACSU_W2 RACSU_W3 RACSU_W4.

*.

*FINISH.

*.

=====

*.

* COMPUTE TIME R BECOME INACTIVE START-UP.

*.

=====

*.

```

IF (R502 = 3) RIASU_W2 = W2_DATE.
IF (S502 = 3) RIASU_W3 = W3_DATE.
IF (T502 = 3) RIASU_W4 = W4_DATE.
*.
COMPUTE RIASU_AW = RIASU_W2.
IF (SYSMIS(RIASU_AW) = 1) RIASU_AW = RIASU_W3.
IF (SYSMIS(RIASU_AW) = 1) RIASU_AW = RIASU_W4.
*.
VARIABLE LABEL
    RIASU_W2 'IN ACTIVE START-UP:WAVE 2 DATE'/
    RIASU_W3 'IN ACTIVE START-UP:WAVE 3 DATE'/
    RIASU_W4 'IN ACTIVE START-UP:WAVE 4 DATE'/
    RIASU_AW 'IN ACTIVE START-UP:ALL WAVES'.
*.
FORMAT RESPID (F10.0).
DESC VAR RIASU_W2 TO RIASU_AW.
*.
*LIST RESPID R502 S502 T502 RIASU_AW RIASU_W2 RIASU_W3 RIASU_W4.
*.
*FINISH.
*.
*=====
*.
* COMPUTE TIME MARKERS: R ASSESSMENT GOING BUSINESS.
*.
*=====
*.
MISSING VALUES R563A S563A T563A (99).
*.
IF (R563A = 13) R563A = 2.
IF (R563A = 14) R563A = 5.
IF (R563A = 15) R563A = 8.
IF (R563A = 16) R563A = 11.
IF ((MISSING(R563) NE 1)&(MISSING(R563A) = 1)) R563A = 6.
*.
IF (S563A = 13) S563A = 2.
IF (S563A = 14) S563A = 5.
IF (S563A = 15) S563A = 8.
IF (S563A = 16) S563A = 11.
IF ((MISSING(S563) NE 1)&(MISSING(S563A) = 1)) S563A = 6.
*.
IF (T563A = 13) T563A = 2.
IF (T563A = 14) T563A = 5.
IF (T563A = 15) T563A = 8.
IF (T563A = 16) T563A = 11.
IF ((MISSING(T563) NE 1)&(MISSING(T563A) = 1)) T563A = 6.
*.
IF (R563 = 9998) R563 = 9999.
IF (S563 = 9998) S563 = 9999.
IF (T563 = 9998) T563 = 9999.
*.
MISSING VALUES R563 S563 T563 (9999).
*.
FREQ VAR R563 S563 T563 R563A S563A T563A/

```

FORMAT ONEPAGE/STAT ALL.

*.
COMPUTE RGB_MYR = (YRMODA(R563,R563A,15)).
COMPUTE RGB_MYS = (YRMODA(S563,S563A,15)).
COMPUTE RGB_MYT = (YRMODA(T563,T563A,15)).

*.
COMPUTE RGB_MYAW = RGB_MYR.
IF (SYSMIS(RGB_MYAW) = 1) RGB_MYAW = RGB_MYS.
IF (SYSMIS(RGB_MYAW) = 1) RGB_MYAW = RGB_MYT.

*.
VARIABLE LABELS
RGB_MYR 'DATE R GOING BUSS:WV R/'
RGB_MYS 'DATE R GOING BUSS:WV S/'
RGB_MYT 'DATE R GOING BUSS:WV T/'
RGB_MYAW 'DATE R GOING BUSS:EARLIEST REPORT'.

*.
*=====

*.
* COMPUTE STANDARDIZED TIME MARKERS: R QUIT DATE.
*.
*=====

*.
MISSING VALUES R537A S537A T537A (99).

*.
IF (R537A = 13) R537A = 2.
IF (R537A = 14) R537A = 5.
IF (R537A = 15) R537A = 8.
IF (R537A = 16) R537A = 11.
IF ((MISSING(R537) NE 1)&(MISSING(R537A) = 1)) R537A = 6.

*.
IF (S537A = 13) S537A = 2.
IF (S537A = 14) S537A = 5.
IF (S537A = 15) S537A = 8.
IF (S537A = 16) S537A = 11.
IF ((MISSING(S537) NE 1)&(MISSING(S537A) = 1)) S537A = 6.

*.
IF (T537A = 13) T537A = 2.
IF (T537A = 14) T537A = 5.
IF (T537A = 15) T537A = 8.
IF (T537A = 16) T537A = 11.
IF ((MISSING(T537) NE 1)&(MISSING(T537A) = 1)) T537A = 6.

*.
IF (R537 = 9998) R537 = 9999.
IF (S537 = 9998) S537 = 9999.
IF (T537 = 9998) T537 = 9999.

*.
MISSING VALUES R537 S537 T537 (9999).

*.
FREQ VAR = R537 S537 T537 R537A S537A T537A/FORMAT ONEPAGE/STAT ALL.

*.
COMPUTE RQT_MYR = (YRMODA(R537,R537A,15)).
COMPUTE RQT_MYS = (YRMODA(S537,S537A,15)).
COMPUTE RQT_MYT = (YRMODA(T537,T537A,15)).

*.
file:///C:/PSED_I/WAVE_T/SPSS_PRO/ACTS_T01.txt[8/4/2011 1:07:08 PM]


```

COMPUTE RQT_MYAW = RQT_MYR.
IF (SYSMIS(RQT_MYAW) = 1) RQT_MYAW = RQT_MYS.
IF (SYSMIS(RQT_MYAW) = 1) RQT_MYAW = RQT_MYT.
*.
VARIABLE LABELS
  RQT_MYR      'DATE R QUIT START-UP: WV R/'
  RQT_MYS      'DATE R QUIT START-UP: WV S/'
  RQT_MYT      'DATE R QUIT START-UP: WV T/'
  RQT_MYAW     'DATE R QUIT START-UP:EARLIEST REPORT'.
*.
=====
*
*   COMPUTE STATUS OF GOING BUSINESS IN 3RD AND 4TH WAVES
*
*
=====
*
FREQ VAR S501A S501B S501D S512G
      T501A T501B T501D T512G
      /FORMAT ONEPAGE/STAT ALL.
*.
IF (S513A = 9998) S513A = 9999.
IF (S514E = 9998) S514E = 9999.
IF (S514G = 9998) S514G = 9999.
IF (S514I = 9998) S514I = 9999.
*.
IF (T513A = 9998) T513A = 9999.
IF (T514E = 9998) T514E = 9999.
IF (T514G = 9998) T514G = 9999.
IF (T514I = 9998) T514I = 9999.
*.
IF (S513B = 13) S513B = 2.
IF (S513B = 14) S513B = 5.
IF (S513B = 15) S513B = 8.
IF (S513B = 16) S513B = 11.
IF ((MISSING(s513A) NE 1)&(MISSING(S513B) = 1)) S513B = 6.
*.
IF (S514F = 13) S514F = 2.
IF (S514F = 14) S514F = 5.
IF (S514F = 15) S514F = 8.
IF (S514F = 16) S514F = 11.
IF ((MISSING(S514E) NE 1)&(MISSING(S514F) = 1)) S514F = 6.
*.
IF (S514H = 13) S514H = 2.
IF (S514H = 14) S514H = 5.
IF (S514H = 15) S514H = 8.
IF (S514H = 16) S514H = 11.
IF ((MISSING(S514G) NE 1)&(MISSING(S514H) = 1)) S514H = 6.
*.
IF (S514J = 13) S514J = 2.
IF (S514J = 14) S514J = 5.
IF (S514J = 15) S514J = 8.
IF (S514J = 16) S514J = 11.
IF ((MISSING(S514I) NE 1)&(MISSING(S514J) = 1)) S514J = 6.
*.

```

```
*.  
IF (T513B = 13) T513B = 2.  
IF (T513B = 14) T513B = 5.  
IF (T513B = 15) T513B = 8.  
IF (T513B = 16) T513B = 11.  
IF ((MISSING(T513A) NE 1)&(MISSING(T513B) = 1)) T513B = 6.
```

```
*.  
IF (T514F = 13) T514F = 2.  
IF (T514F = 14) T514F = 5.  
IF (T514F = 15) T514F = 8.  
IF (T514F = 16) T514F = 11.  
IF ((MISSING(T514E) NE 1)&(MISSING(T514F) = 1)) T514F = 6.
```

```
*.  
IF (T514H = 13) T514H = 2.  
IF (T514H = 14) T514H = 5.  
IF (T514H = 15) T514H = 8.  
IF (T514H = 16) T514H = 11.  
IF ((MISSING(T514G) NE 1)&(MISSING(T514H) = 1)) T514H = 6.
```

```
*.  
IF (T514J = 13) T514J = 2.  
IF (T514J = 14) T514J = 5.  
IF (T514J = 15) T514J = 8.  
IF (T514J = 16) T514J = 11.  
IF ((MISSING(T514I) NE 1)&(MISSING(T514J) = 1)) T514J = 6.
```

```
*.  
*-----  
*  
* COMPUTE START-UP EVENT: WAVE 1 INTERVIEW ONLY.  
*  
*-----
```

```
*.  
*  
*FREQ VAR  
Q110A Q115A Q119A  
Q121A Q123A Q127A  
Q130A Q133A Q136A Q138A  
Q142A Q144A Q148A  
Q150A Q152A Q154A Q157A  
Q161A Q162B  
Q170A Q172A Q174A Q176A Q178A  
Q182A  
/STAT ALL.
```

```
*.  
* THINK ABOUT BUSS.  
IF (Q110A = 13) Q110A = 2.  
IF (Q110A = 14) Q110A = 5.  
IF (Q110A = 15) Q110A = 8.  
IF (Q110A = 16) Q110A = 11.  
IF ((MISSING(Q110) NE 1)&(MISSING(Q110A) = 1)) Q110A = 6.
```

```
*.  
* BUSINESS PLAN.  
IF (Q115A = 13) Q115A = 2.  
IF (Q115A = 14) Q115A = 5.  
IF (Q115A = 15) Q115A = 8.
```

IF (Q115A = 16) Q115A = 11.
IF ((MISSING(Q115) NE 1)&(MISSING(Q115A) = 1)) Q115A = 6.

*.
* ORGANIZE START-UP TEAM.

IF (Q119A = 13) Q119A = 2.
IF (Q119A = 14) Q119A = 5.
IF (Q119A = 15) Q119A = 8.
IF (Q119A = 16) Q119A = 11.
IF ((MISSING(Q119) NE 1)&(MISSING(Q119A) = 1)) Q119A = 6.

*.
* PHYSICAL MODEL, PROTOTYPE.

IF (Q121A = 13) Q121A = 2.
IF (Q121A = 14) Q121A = 5.
IF (Q121A = 15) Q121A = 8.
IF (Q121A = 16) Q121A = 11.
IF ((MISSING(Q121) NE 1)&(MISSING(Q121A) = 1)) Q121A = 6.

*.
* MARKETING, PROMOTIONAL.

IF (Q123A = 13) Q123A = 2.
IF (Q123A = 14) Q123A = 5.
IF (Q123A = 15) Q123A = 8.
IF (Q123A = 16) Q123A = 11.
IF ((MISSING(Q123) NE 1)&(MISSING(Q123A) = 1)) Q123A = 6.

*.
* PATENT TRADEMARK.

IF (Q127A = 13) Q127A = 2.
IF (Q127A = 14) Q127A = 5.
IF (Q127A = 15) Q127A = 8.
IF (Q127A = 16) Q127A = 11.
IF ((MISSING(Q127) NE 1)&(MISSING(Q127A) = 1)) Q127A = 6.

*.
* PURCHAED SUPPLIES, EQUIP.

IF (Q130A = 13) Q130A = 2.
IF (Q130A = 14) Q130A = 5.
IF (Q130A = 15) Q130A = 8.
IF (Q130A = 16) Q130A = 11.
IF ((MISSING(Q130) NE 1)&(MISSING(Q130A) = 1)) Q130A = 6.

*.
* LEASED PLANT, EQUIP.

IF (Q133A = 13) Q133A = 2.
IF (Q133A = 14) Q133A = 5.
IF (Q133A = 15) Q133A = 8.
IF (Q133A = 16) Q133A = 11.
IF ((MISSING(Q133) NE 1)&(MISSING(Q133A) = 1)) Q133A = 6.

*.
* DEFINE MARKET OPORTUNITIES.

IF (Q136A = 13) Q136A = 2.
IF (Q136A = 14) Q136A = 5.
IF (Q136A = 15) Q136A = 8.
IF (Q136A = 16) Q136A = 11.
IF ((MISSING(Q136) NE 1)&(MISSING(Q136A) = 1)) Q136A = 6.

*.
* DEVELOPED FINANCIAL PROJECTIONS.

IF (Q138A = 13) Q138A = 2.

IF (Q138A = 14) Q138A = 5.
IF (Q138A = 15) Q138A = 8.
IF (Q138A = 16) Q138A = 11.
IF ((MISSING(Q138) NE 1)&(MISSING(Q138A) = 1)) Q138A = 6.

*.
* SAVED TO INVEST IN BUSS.

IF (Q142A = 13) Q142A = 2.
IF (Q142A = 14) Q142A = 5.
IF (Q142A = 15) Q142A = 8.
IF (Q142A = 16) Q142A = 11.
IF ((MISSING(Q142) NE 1)&(MISSING(Q142A) = 1)) Q142A = 6.

*.
* INVEST OWN MONEY IN BUSS.

IF (Q144A = 13) Q144A = 2.
IF (Q144A = 14) Q144A = 5.
IF (Q144A = 15) Q144A = 8.
IF (Q144A = 16) Q144A = 11.
IF ((MISSING(Q144) NE 1)&(MISSING(Q144A) = 1)) Q144A = 6.

*.
* ASKED OTHER FOR FUNDS.

IF (Q148A = 13) Q148A = 2.
IF (Q148A = 14) Q148A = 5.
IF (Q148A = 15) Q148A = 8.
IF (Q148A = 16) Q148A = 11.
IF ((MISSING(Q148) NE 1)&(MISSING(Q148A) = 1)) Q148A = 6.

*.
* ESTABLISHED SUPPLIER CREDIT.

IF (Q150A = 13) Q150A = 2.
IF (Q150A = 14) Q150A = 5.
IF (Q150A = 15) Q150A = 8.
IF (Q150A = 16) Q150A = 11.
IF ((MISSING(Q150) NE 1)&(MISSING(Q150A) = 1)) Q150A = 6.

*.
* ARRANGED CHILD CARE.

IF (Q152A = 13) Q152A = 2.
IF (Q152A = 14) Q152A = 5.
IF (Q152A = 15) Q152A = 8.
IF (Q152A = 16) Q152A = 11.
IF ((MISSING(Q152) NE 1)&(MISSING(Q152A) = 1)) Q152A = 6.

*.
* FULL TIME WORK ON BUSIENSS.

IF (Q154A = 13) Q154A = 2.
IF (Q154A = 14) Q154A = 5.
IF (Q154A = 15) Q154A = 8.
IF (Q154A = 16) Q154A = 11.
IF ((MISSING(Q154) NE 1)&(MISSING(Q154A) = 1)) Q154A = 6.

*.
* HIRED EMPLOYEES, NO EQUITY SHARE.

IF (Q157A = 13) Q157A = 2.
IF (Q157A = 14) Q157A = 5.
IF (Q157A = 15) Q157A = 8.
IF (Q157A = 16) Q157A = 11.
IF ((MISSING(Q157) NE 1)&(MISSING(Q157A) = 1)) Q157A = 6.

*.

* OPENED BANK ACCOUNT.

IF (Q161A = 13) Q161A = 2.
IF (Q161A = 14) Q161A = 5.
IF (Q161A = 15) Q161A = 8.
IF (Q161A = 16) Q161A = 11.
IF ((MISSING(Q161) NE 1)&(MISSING(Q161A) = 1)) Q161A = 6.

*.

* INITIAL REVENUE.

IF (Q162B = 13) Q162B = 2.
IF (Q162B = 14) Q162B = 5.
IF (Q162B = 15) Q162B = 8.
IF (Q162B = 16) Q162B = 11.
IF ((MISSING(Q162A) NE 1)&(MISSING(Q162B) = 1)) Q162B = 6.

*.

* POSITIVE MONTHLYLY CASH FLOW.

IF (Q166A = 13) Q166A = 2.
IF (Q166A = 14) Q166A = 5.
IF (Q166A = 15) Q166A = 8.
IF (Q166A = 16) Q166A = 11.
IF ((MISSING(Q166) NE 1)&(MISSING(Q166A) = 1)) Q166A = 6.

*.

* TAKEN CLASSES OR WORKSHOPS.

IF (Q170A = 13) Q170A = 2.
IF (Q170A = 14) Q170A = 5.
IF (Q170A = 15) Q170A = 8.
IF (Q170A = 16) Q170A = 11.
IF ((MISSING(Q170) NE 1)&(MISSING(Q170A) = 1)) Q170A = 6.

*.

* NEW PHONE BOOK LISTING.

IF (Q172A = 13) Q172A = 2.
IF (Q172A = 14) Q172A = 5.
IF (Q172A = 15) Q172A = 8.
IF (Q172A = 16) Q172A = 11.
IF ((MISSING(Q172) NE 1)&(MISSING(Q172A) = 1)) Q172A = 6.

*.

* NEW PHONE LINE.

IF (Q174A = 13) Q174A = 2.
IF (Q174A = 14) Q174A = 5.
IF (Q174A = 15) Q174A = 8.
IF (Q174A = 16) Q174A = 11.
IF ((MISSING(Q174) NE 1)&(MISSING(Q174A) = 1)) Q174A = 6.

*.

* UNEMPLOYMENT INSURANCE TAX PAYMENT.

IF (Q176A = 13) Q176A = 2.
IF (Q176A = 14) Q176A = 5.
IF (Q176A = 15) Q176A = 8.
IF (Q176A = 16) Q176A = 11.
IF ((MISSING(Q176) NE 1)&(MISSING(Q176A) = 1)) Q176A = 6.

*.

* FICA TAX PAYMENT.

IF (Q178A = 13) Q178A = 2.
IF (Q178A = 14) Q178A = 5.
IF (Q178A = 15) Q178A = 8.
IF (Q178A = 16) Q178A = 11.

```

IF ((MISSING(Q178) NE 1)&(MISSING(Q178A) = 1)) Q178A = 6.
*.
*   KNOW OF D&B LISTING.
IF (Q182A = 13) Q182A = 2.
IF (Q182A = 14) Q182A = 5.
IF (Q182A = 15) Q182A = 8.
IF (Q182A = 16) Q182A = 11.
IF ((MISSING(Q182) NE 1)&(MISSING(Q182A) = 1)) Q182A = 6.
*.
DESC VAR = RESPID.
*.
COMPUTE   THINK_D1 = (YRMODA(Q110,Q110A,15)).
COMPUTE   BUSPLND1 = (YRMODA(Q115,Q115A,15)).
COMPUTE   SUTEAMD1 = (YRMODA(Q119,Q119A,15)).
COMPUTE   MODEL_D1 = (YRMODA(Q121,Q121A,15)).
COMPUTE   PROMOTD1 = (YRMODA(Q123,Q123A,15)).
*.
COMPUTE   PATENTD1 = (YRMODA(Q127,Q127A,15)).
COMPUTE   PURCHAD1 = (YRMODA(Q130,Q130A,15)).
COMPUTE   LEASE_D1 = (YRMODA(Q133,Q133A,15)).
COMPUTE   DFNMKTD1 = (YRMODA(Q136,Q136A,15)).
COMPUTE   FINPRJD1 = (YRMODA(Q138,Q138A,15)).
*.
COMPUTE   SAVMOND1 = (YRMODA(Q142,Q142A,15)).
COMPUTE   INVMOND1 = (YRMODA(Q144,Q144A,15)).
COMPUTE   ASKFND1 = (YRMODA(Q148,Q148A,15)).
COMPUTE   SUPCRDD1 = (YRMODA(Q150,Q150A,15)).
COMPUTE   CLDCARD1 = (YRMODA(Q152,Q152A,15)).
*.
COMPUTE   FULLTMD1 = (YRMODA(Q154,Q154A,15)).
COMPUTE   HIRE__D1 = (YRMODA(Q157,Q157A,15)).
COMPUTE   BKACCTD1 = (YRMODA(Q161,Q161A,15)).
COMPUTE   SALES_D1 = (YRMODA(Q162A,Q162B,15)).
COMPUTE   CSHFL_D1 = (YRMODA(Q166,Q166A,15)).
COMPUTE   CLASS_D1 = (YRMODA(Q170,Q170A,15)).
*.
COMPUTE   PHLISTD1 = (YRMODA(Q172,Q172A,15)).
COMPUTE   PHLINED1 = (YRMODA(Q174,Q174A,15)).
COMPUTE   UNEMP_D1 = (YRMODA(Q176,Q176A,15)).
COMPUTE   FICA__D1 = (YRMODA(Q178,Q178A,15)).
COMPUTE   FEDTAXD1 = (YRMODA(Q180,4,15)).
*.
COMPUTE   DANDB_D1 = (YRMODA(Q182,Q182A,15)).
*.
FORMAT THINK_D1 TO DANDB_D1 (F7.0).
*.
VARIABLE LABELS
  THINK_D1   'W 1,DATE:INITIAL SERIOUS THOUGHT'/
  BUSPLND1   'W 1,DATE:BUSINESS PLAN INITIATED'/
  SUTEAMD1   'W 1,DATE:START-UP TEAM FORMED'/
  MODEL_D1   'W 1,DATE:MODEL, PROTOTYPE INITATED'/
  PROMOTD1   'W 1,DATE:PROMOT 4 PRODUCT,SERVICE INITIATE'/
  PATENTD1   'W 1,DATE:PATENT,TRADEMARK,COPYRIGHT INITAT'/
  PURCHAD1   'W 1,DATE:PURCHASED MATER,INVENT,SUPPLIES'/

```

LEASE_D1 'W 1,DATE:PURCHASED,LEASED PLANT,EQUIP,VEH/
DFNMKTD1 'W 1,DATE:DEFINING MARKETS INITATED'/
FINPRJD1 'W 1,DATE:FINANCIAL PROJECTIONS INITIATED'/
SAVMOND1 'W 1,DATE:BEGAN SAVING TO INVEST IN BUSINES'/
INVMOND1 'W 1,DATE:BEGAN INVESTING OWN MONEY'/
ASKFNDD1 'W 1,DATE:ASKED FIN INSTITUTIONS FOR MONEY'/
SUPCRDD1 'W 1,DATE:ASKED FOR SUPPLIER CREDIT'/
CLDCARD1 'W 1,DATE:ARRANGED CHILD CARE,HOUSEKEEPING'/
FULLTMD1 'W 1,DATE:STARTED DEVOTING FULL TIME TO SU'/
HIRE_D1 'W 1,DATE:INITIAL EMPLOYEE HIRE'/
BKACCTD1 'W 1,DATE:OPENED BUSS BANK ACCOUNT'/
SALES_D1 'W 1,DATE:INITIAL SALES,REVENUE,INCOME'/
CSHFL_D1 'W 1,DATE:INITIAL POS MTH CASH FLOW'/
CLASS_D1 'W 1,DATE:TOOK CLASS,WORKSHOP ON START-UPS'/
PHLISTD1 'W 1,DATE:INITIAL PHONE BOOK LISTING'/
PHLINED1 'W 1,DATE:INITIAL DEDICATED PHONE LINE'/
UNEMP_D1 'W 1,DATE:INITIAL STATE UNEMP INSUR PAYMENT'/
FICA_D1 'W 1,DATE:INITIAL FEDERAL FICA PAYMENT'/
FEDTAXD1 'W 1,DATE:INITIAL FEDERAL INCOME TAX PAYMENT'/
DANDB_D1 'W 1,DATE:FIRST KNOWLEDGE OF D&B LISTING'.

*.
DESCRIPTIVES VAR = THINK_D1 TO DANDB_D1.

*.
*=====
*.

* COMPUTE START-UP EVENT: WAVE 2 INTERVIEW ONLY.

*.
*=====
*.

* THINK ABOUT BUSS.

IF (R567A = 13) R567A = 2.
IF (R567A = 14) R567A = 5.
IF (R567A = 15) R567A = 8.
IF (R567A = 16) R567A = 11.
IF ((MISSING(R567) NE 1)&(MISSING(R567A) = 1)) R567A = 6.

* BUSINESS PLAN.

IF (R572A = 13) R572A = 2.
IF (R572A = 14) R572A = 5.
IF (R572A = 15) R572A = 8.
IF (R572A = 16) R572A = 11.
IF ((MISSING(R572) NE 1)&(MISSING(R572A) = 1)) R572A = 6.

* ORGANIZE START-UP TEAM.

IF (R576A = 13) R576A = 2.
IF (R576A = 14) R576A = 5.
IF (R576A = 15) R576A = 8.
IF (R576A = 16) R576A = 11.
IF ((MISSING(R576) NE 1)&(MISSING(R576A) = 1)) R576A = 6.

* PHYSICAL MODEL, PROTOTYPE.

IF (R578A = 13) R578A = 2.
IF (R578A = 14) R578A = 5.

IF (R578A = 15) R578A = 8.
IF (R578A = 16) R578A = 11.
IF ((MISSING(R578) NE 1)&(MISSING(R578A) = 1)) R578A = 6.

*.
*
MARKETING, PROMOTIONAL.

IF (R580A = 13) R580A = 2.
IF (R580A = 14) R580A = 5.
IF (R580A = 15) R580A = 8.
IF (R580A = 16) R580A = 11.
IF ((MISSING(R580) NE 1)&(MISSING(R580A) = 1)) R580A = 6.

*.
*
PATENT TRADEMARK.

IF (R584A = 13) R584A = 2.
IF (R584A = 14) R584A = 5.
IF (R584A = 15) R584A = 8.
IF (R584A = 16) R584A = 11.
IF ((MISSING(R584) NE 1)&(MISSING(R584A) = 1)) R584A = 6.

*.
*
PURCHAED SUPPLIES, EQUIP.

IF (R587A = 13) R587A = 2.
IF (R587A = 14) R587A = 5.
IF (R587A = 15) R587A = 8.
IF (R587A = 16) R587A = 11.
IF ((MISSING(R587) NE 1)&(MISSING(R587A) = 1)) R587A = 6.

*.
*
LEASED PLANT, EQUIP.

IF (R590A = 13) R590A = 2.
IF (R590A = 14) R590A = 5.
IF (R590A = 15) R590A = 8.
IF (R590A = 16) R590A = 11.
IF ((MISSING(R590) NE 1)&(MISSING(R590A) = 1)) R590A = 6.

*.
*
DEFINE MARKET OPORTUNITIES.

IF (R593A = 13) R593A = 2.
IF (R593A = 14) R593A = 5.
IF (R593A = 15) R593A = 8.
IF (R593A = 16) R593A = 11.
IF ((MISSING(R593) NE 1)&(MISSING(R593A) = 1)) R593A = 6.

*.
*
DEVELOPED FINANCIAL PROJECTIONS.

IF (R595A = 13) R595A = 2.
IF (R595A = 14) R595A = 5.
IF (R595A = 15) R595A = 8.
IF (R595A = 16) R595A = 11.
IF ((MISSING(R595) NE 1)&(MISSING(R595A) = 1)) R595A = 6.

*.
*
SAVED TO INVEST IN BUSS.

IF (R599A = 13) R599A = 2.
IF (R599A = 14) R599A = 5.
IF (R599A = 15) R599A = 8.
IF (R599A = 16) R599A = 11.
IF ((MISSING(R599) NE 1)&(MISSING(R599A) = 1)) R599A = 6.

*.
*
INVEST OWN MONEY IN BUSS.

IF (R601A = 13) R601A = 2.
IF (R601A = 14) R601A = 5.
IF (R601A = 15) R601A = 8.
IF (R601A = 16) R601A = 11.
IF ((MISSING(R601) NE 1)&(MISSING(R601A) = 1)) R601A = 6.

*.
* ASKED OTHER FOR FUNDS.

IF (R605A = 13) R605A = 2.
IF (R605A = 14) R605A = 5.
IF (R605A = 15) R605A = 8.
IF (R605A = 16) R605A = 11.
IF ((MISSING(R605) NE 1)&(MISSING(R605A) = 1)) R605A = 6.

*.
* ESTABLISHED SUPPLIER CREDIT.

IF (R607A = 13) R607A = 2.
IF (R607A = 14) R607A = 5.
IF (R607A = 15) R607A = 8.
IF (R607A = 16) R607A = 11.
IF ((MISSING(R607) NE 1)&(MISSING(R607A) = 1)) R607A = 6.

*.
* ARRANGED CHILD CARE.

IF (R609A = 13) R609A = 2.
IF (R609A = 14) R609A = 5.
IF (R609A = 15) R609A = 8.
IF (R609A = 16) R609A = 11.
IF ((MISSING(R609) NE 1)&(MISSING(R609A) = 1)) R609A = 6.

*.
* FULL TIME WORK ON BUSIENSS.

IF (R611A = 13) R611A = 2.
IF (R611A = 14) R611A = 5.
IF (R611A = 15) R611A = 8.
IF (R611A = 16) R611A = 11.
IF ((MISSING(R611) NE 1)&(MISSING(R611A) = 1)) R611A = 6.

*.
* HIRED EMPLOYEES, NO EQUITY SHARE.

IF (R614A = 13) R614A = 2.
IF (R614A = 14) R614A = 5.
IF (R614A = 15) R614A = 8.
IF (R614A = 16) R614A = 11.
IF ((MISSING(R614) NE 1)&(MISSING(R614A) = 1)) R614A = 6.

*.
* OPENED BANK ACCOUNT.

IF (R618A = 13) R618A = 2.
IF (R618A = 14) R618A = 5.
IF (R618A = 15) R618A = 8.
IF (R618A = 16) R618A = 11.
IF ((MISSING(R618) NE 1)&(MISSING(R618A) = 1)) R618A = 6.

*.
* INITIAL REVENUE.

IF (R620A = 13) R620A = 2.
IF (R620A = 14) R620A = 5.
IF (R620A = 15) R620A = 8.
IF (R620A = 16) R620A = 11.
IF ((MISSING(R620) NE 1)&(MISSING(R620A) = 1)) R620A = 6.

*.
* POSITIVE MONTHLY CASH FLOW.
IF (R624A = 13) R624A = 2.
IF (R624A = 14) R624A = 5.
IF (R624A = 15) R624A = 8.
IF (R624A = 16) R624A = 11.
IF ((MISSING(R624) NE 1)&(MISSING(R624A) = 1)) R624A = 6.

*.
* TAKEN CLASSES OR WORKSHOPS.
IF (R628A = 13) R628A = 2.
IF (R628A = 14) R628A = 5.
IF (R628A = 15) R628A = 8.
IF (R628A = 16) R628A = 11.
IF ((MISSING(R628) NE 1)&(MISSING(R628A) = 1)) R628A = 6.

*.
* NEW PHONE BOOK LISTING.
IF (R630A = 13) R630A = 2.
IF (R630A = 14) R630A = 5.
IF (R630A = 15) R630A = 8.
IF (R630A = 16) R630A = 11.
IF ((MISSING(R630) NE 1)&(MISSING(R630A) = 1)) R630A = 6.

*.
* NEW PHONE LINE.
IF (R632A = 13) R632A = 2.
IF (R632A = 14) R632A = 5.
IF (R632A = 15) R632A = 8.
IF (R632A = 16) R632A = 11.
IF ((MISSING(R632) NE 1)&(MISSING(R632A) = 1)) R632A = 6.

*.
* UNEMPLOYMENT INSURANCE TAX PAYMENT.
IF (R634A = 13) R634A = 2.
IF (R634A = 14) R634A = 5.
IF (R634A = 15) R634A = 8.
IF (R634A = 16) R634A = 11.
IF ((MISSING(R634) NE 1)&(MISSING(R634A) = 1)) R634A = 6.

*.
* FICA TAX PAYMENT.
IF (R636A = 13) R636A = 2.
IF (R636A = 14) R636A = 5.
IF (R636A = 15) R636A = 8.
IF (R636A = 16) R636A = 11.
IF ((MISSING(R636) NE 1)&(MISSING(R636A) = 1)) R636A = 6.

*.
* KNOW OF D&B LISTING.
IF (R640A = 13) R640A = 2.
IF (R640A = 14) R640A = 5.
IF (R640A = 15) R640A = 8.
IF (R640A = 16) R640A = 11.
IF ((MISSING(R640) NE 1)&(MISSING(R640A) = 1)) R640A = 6.

*.
COMPUTE THINK_D2 = (YRMODA(R567,R567A,15)).
COMPUTE BUSPLND2 = (YRMODA(R572,R572A,15)).
COMPUTE SUTEAMD2 = (YRMODA(R576,R576A,15)).
COMPUTE MODEL_D2 = (YRMODA(R578,R578A,15)).

```

COMPUTE      PROMOTD2 = (YRMODA(R580,R580A,15)).
*.
COMPUTE      PATENTD2 = (YRMODA(R584,R584A,15)).
COMPUTE      PURCHAD2 = (YRMODA(R587,R587A,15)).
COMPUTE      LEASE_D2 = (YRMODA(R590,R590A,15)).
COMPUTE      DFNMKTD2 = (YRMODA(R593,R593A,15)).
COMPUTE      FINPRJD2 = (YRMODA(R595,R595A,15)).
*.
COMPUTE      SAVMOND2 = (YRMODA(R599,R599A,15)).
COMPUTE      INVMOND2 = (YRMODA(R601,R601A,15)).
COMPUTE      ASKFNDD2 = (YRMODA(R605,R605A,15)).
COMPUTE      SUPCRDD2 = (YRMODA(R607,R607A,15)).
COMPUTE      CLDCARD2 = (YRMODA(R609,R609A,15)).
*.
COMPUTE      FULLTMD2 = (YRMODA(R611,R611A,15)).
COMPUTE      HIRE__D2 = (YRMODA(R614,R614A,15)).
COMPUTE      BKACCTD2 = (YRMODA(R618,R618A,15)).
COMPUTE      SALES_D2 = (YRMODA(R620,R620A,15)).
COMPUTE      CSHFL_D2 = (YRMODA(R624,R624A,15)).
COMPUTE      CLASS_D2 = (YRMODA(R628,R628A,15)).
*.
COMPUTE      PHLISTD2 = (YRMODA(R630,R630A,15)).
COMPUTE      PHLINED2 = (YRMODA(R632,R632A,15)).
COMPUTE      UNEMP_D2 = (YRMODA(R634,R634A,15)).
COMPUTE      FICA__D2 = (YRMODA(R636,R636A,15)).
COMPUTE      FEDTAXD2 = (YRMODA(R638,4,15)).
*.
COMPUTE      DANDB_D2 = (YRMODA(R640,R640A,15)).
*.
FORMAT THINK_D2 TO DANDB_D2 (F7.0).
*.
VARIABLE LABELS
  THINK_D2    'W 2,DATE:INITIAL SERIOUS THOUGHT'/
  BUSPLND2   'W 2,DATE:BUSINESS PLAN INITIATED'/
  SUTEAMD2    'W 2,DATE:START-UP TEAM FORMED'/
  MODEL_D2    'W 2,DATE:MODEL, PROTOTYPE INITATED'/
  PROMOTD2    'W 2,DATE:PROMOT 4 PRODUCT,SERVICE INITIATE'/
  PATENTD2    'W 2,DATE:PATENT,TRADEMARK,COPYRIGHT INITAT'/
  PURCHAD2    'W 2,DATE:PURCHASED MATER,INVENT,SUPPLIES'/
  LEASE_D2    'W 2,DATE:PURCHASED,LEASED PLANT,EQUIP,VEH'/
  DFNMKTD2    'W 2,DATE:DEFINING MARKETS INITATED'/
  FINPRJD2    'W 2,DATE:FINANCIAL PROJECTIONS INITIATED'/
  SAVMOND2    'W 2,DATE:BEGAN SAVING TO INVEST IN BUSINES'/
  INVMOND2    'W 2,DATE:BEGAN INVESTING OWN MONEY'/
  ASKFNDD2    'W 2,DATE:ASKED FIN INSTITUTIONS FOR MONEY'/
  SUPCRDD2    'W 2,DATE:ASKED FOR SUPPLIER CREDIT'/
  CLDCARD2    'W 2,DATE:ARRANGED CHILD CARE,HOUSEKEEPING'/
  FULLTMD2    'W 2,DATE:STARTED DEVOTING FULL TIME TO SU'/
  HIRE__D2    'W 2,DATE:INITIAL EMPLOYEE HIRE'/
  BKACCTD2    'W 2,DATE:OPENED BUSS BANK ACCOUNT'/
  SALES_D2    'W 2,DATE:INITIAL SALES,REVENUE,INCOME'/
  CSHFL_D2    'W 2,DATE:INITIAL POS MTH CASH FLOW'/
  CLASS_D2    'W 2,DATE:TOOK CLASS,WORKSHOP ON START-UPS'/
  PHLISTD2    'W 2,DATE:INITIAL PHONE BOOK LISTING'/

```

PHLINED2 'W 2,DATE:INITIAL DEDICATED PHONE LINE'/
UNEMP_D2 'W 2,DATE:INITIAL STATE UNEMP INSUR PAYMENT'/
FICA_D2 'W 2,DATE:INITIAL FEDERAL FICA PAYMENT'/
FEDTAXD2 'W 2,DATE:INITIAL FEDERAL INCOME TAX PAYMENT'/
DANDB_D2 'W 2,DATE:FIRST KNOWLEDGE OF D&B LISTING'.

*.
DESCRIPTIVES VAR = THINK_D2 TO DANDB_D2.
*.
*.

=====

*.
* COMPUTE START-UP EVENT: WAVE 3 INTERVIEW ONLY.
*.
*.

=====

*.
*.
IF (S567 = 9998) S567 = 9999.
IF (S572 = 9998) S572 = 9999.
IF (S576 = 9998) S576 = 9999.
IF (S578 = 9998) S578 = 9999.
IF (S580 = 9998) S580 = 9999.
*.
IF (S584 = 9998) S584 = 9999.
IF (S587 = 9998) S587 = 9999.
IF (S590 = 9998) S590 = 9999.
IF (S593 = 9998) S593 = 9999.
IF (S595 = 9998) S595 = 9999.
*.
IF (S599 = 9998) S599 = 9999.
IF (S601 = 9998) S601 = 9999.
IF (S605 = 9998) S605 = 9999.
IF (S607 = 9998) S607 = 9999.
IF (S609 = 9998) S609 = 9999.
*.
IF (S611 = 9998) S611 = 9999.
IF (S614 = 9998) S614 = 9999.
IF (S618 = 9998) S618 = 9999.
IF (S620 = 9998) S620 = 9999.
IF (S624 = 9998) S624 = 9999.
*.
IF (S628 = 9998) S628 = 9999.
IF (S630 = 9998) S630 = 9999.
IF (S632 = 9998) S632 = 9999.
IF (S634 = 9998) S634 = 9999.
IF (S636 = 9998) S636 = 9999.
*.
IF (S640 = 9998) S640 = 9999.
*.
*.

MISSING VALUES

S567A S572A S576A S578A S580A
S584A S587A S590A S593A S595A
S599A S601A S605A S607A S609A
S611A S614A S618A S620A S624A S628A
S630A S632A S634A S636A

S640A (99)/
S567 S572 S576 S578 S580
S584 S587 S590 S593 S595
S599 S601 S605 S607 S609
S611 S614 S618 S620 S624 S628
S630 S632 S634 S636 S638
S640 (9999).

*.

* THINK ABOUT BUSS.

IF (S567A = 13) S567A = 2.
IF (S567A = 14) S567A = 5.
IF (S567A = 15) S567A = 8.
IF (S567A = 16) S567A = 11.
IF ((MISSING(S567) NE 1)&(MISSING(S567A) = 1)) S567A = 6.

*.

* BUSINESS PLAN.

IF (S572A = 13) S572A = 2.
IF (S572A = 14) S572A = 5.
IF (S572A = 15) S572A = 8.
IF (S572A = 16) S572A = 11.
IF ((MISSING(S572) NE 1)&(MISSING(S572A) = 1)) S572A = 6.

*.

* ORGANIZE START-UP TEAM.

IF (S576A = 13) S576A = 2.
IF (S576A = 14) S576A = 5.
IF (S576A = 15) S576A = 8.
IF (S576A = 16) S576A = 11.
IF ((MISSING(S576) NE 1)&(MISSING(S576A) = 1)) S576A = 6.

*.

* PHYSICAL MODEL, PROTOTYPE.

IF (S578A = 13) S578A = 2.
IF (S578A = 14) S578A = 5.
IF (S578A = 15) S578A = 8.
IF (S578A = 16) S578A = 11.
IF ((MISSING(S578) NE 1)&(MISSING(S578A) = 1)) S578A = 6.

*.

* MARKETING, PROMOTIONAL.

IF (S580A = 13) S580A = 2.
IF (S580A = 14) S580A = 5.
IF (S580A = 15) S580A = 8.
IF (S580A = 16) S580A = 11.
IF ((MISSING(S580) NE 1)&(MISSING(S580A) = 1)) S580A = 6.

*.

* PATENT TRADEMARK.

IF (S584A = 13) S584A = 2.
IF (S584A = 14) S584A = 5.
IF (S584A = 15) S584A = 8.
IF (S584A = 16) S584A = 11.
IF ((MISSING(S584) NE 1)&(MISSING(S584A) = 1)) S584A = 6.

*.

* PURCHAED SUPPLIES, EQUIP.

IF (S587A = 13) S587A = 2.
IF (S587A = 14) S587A = 5.
IF (S587A = 15) S587A = 8.

IF (S587A = 16) S587A = 11.
IF ((MISSING(S587) NE 1)&(MISSING(S587A) = 1)) S587A = 6.

*.

* LEASED PLANT, EQUIP.

IF (S590A = 13) S590A = 2.
IF (S590A = 14) S590A = 5.
IF (S590A = 15) S590A = 8.
IF (S590A = 16) S590A = 11.
IF ((MISSING(S590) NE 1)&(MISSING(S590A) = 1)) S590A = 6.

*.

* DEFINE MARKET OPORTUNITIES.

IF (S593A = 13) S593A = 2.
IF (S593A = 14) S593A = 5.
IF (S593A = 15) S593A = 8.
IF (S593A = 16) S593A = 11.
IF ((MISSING(S593) NE 1)&(MISSING(S593A) = 1)) S593A = 6.

*.

* DEVELOPED FINANCIAL PROJECTIONS.

IF (S595A = 13) S595A = 2.
IF (S595A = 14) S595A = 5.
IF (S595A = 15) S595A = 8.
IF (S595A = 16) S595A = 11.
IF ((MISSING(S595) NE 1)&(MISSING(S595A) = 1)) S595A = 6.

*.

* SAVED TO INVEST IN BUSS.

IF (S599A = 13) S599A = 2.
IF (S599A = 14) S599A = 5.
IF (S599A = 15) S599A = 8.
IF (S599A = 16) S599A = 11.
IF ((MISSING(S599) NE 1)&(MISSING(S599A) = 1)) S599A = 6.

*.

* INVEST OWN MONEY IN BUSS.

IF (S601A = 13) S601A = 2.
IF (S601A = 14) S601A = 5.
IF (S601A = 15) S601A = 8.
IF (S601A = 16) S601A = 11.
IF ((MISSING(S601) NE 1)&(MISSING(S601A) = 1)) S601A = 6.

*.

* ASKED OTHER FOR FUNDS.

IF (S605A = 13) S605A = 2.
IF (S605A = 14) S605A = 5.
IF (S605A = 15) S605A = 8.
IF (S605A = 16) S605A = 11.
IF ((MISSING(S605) NE 1)&(MISSING(S605A) = 1)) S605A = 6.

*.

* ESTABLISHED SUPPLIER CREDIT.

IF (S607A = 13) S607A = 2.
IF (S607A = 14) S607A = 5.
IF (S607A = 15) S607A = 8.
IF (S607A = 16) S607A = 11.
IF ((MISSING(S607) NE 1)&(MISSING(S607A) = 1)) S607A = 6.

*.

* ARRANGED CHILD CARE.

IF (S609A = 13) S609A = 2.

IF (S609A = 14) S609A = 5.
IF (S609A = 15) S609A = 8.
IF (S609A = 16) S609A = 11.
IF ((MISSING(S609) NE 1)&(MISSING(S609A) = 1)) S609A = 6.

*.
* FULL TIME WORK ON BUSIENSS.

IF (S611A = 13) S611A = 2.
IF (S611A = 14) S611A = 5.
IF (S611A = 15) S611A = 8.
IF (S611A = 16) S611A = 11.
IF ((MISSING(S611) NE 1)&(MISSING(S611A) = 1)) S611A = 6.

*.
* HIRED EMPLOYEES, NO EQUITY SHARE.

IF (S614A = 13) S614A = 2.
IF (S614A = 14) S614A = 5.
IF (S614A = 15) S614A = 8.
IF (S614A = 16) S614A = 11.
IF ((MISSING(S614) NE 1)&(MISSING(S614A) = 1)) S614A = 6.

*.
* OPENED BANK ACCOUNT.

IF (S618A = 13) S618A = 2.
IF (S618A = 14) S618A = 5.
IF (S618A = 15) S618A = 8.
IF (S618A = 16) S618A = 11.
IF ((MISSING(S618) NE 1)&(MISSING(S618A) = 1)) S618A = 6.

*.
* INITIAL REVENUE.

IF (S620A = 13) S620A = 2.
IF (S620A = 14) S620A = 5.
IF (S620A = 15) S620A = 8.
IF (S620A = 16) S620A = 11.
IF ((MISSING(S620) NE 1)&(MISSING(S620A) = 1)) S620A = 6.

*.
* POSITIVE MONTHLY CASH FLOW.

IF (S624A = 13) S624A = 2.
IF (S624A = 14) S624A = 5.
IF (S624A = 15) S624A = 8.
IF (S624A = 16) S624A = 11.
IF ((MISSING(S624) NE 1)&(MISSING(S624A) = 1)) S624A = 6.

*.
* TAKEN CLASSES OR WORKSHOPS.

IF (S628A = 13) S628A = 2.
IF (S628A = 14) S628A = 5.
IF (S628A = 15) S628A = 8.
IF (S628A = 16) S628A = 11.
IF ((MISSING(S628) NE 1)&(MISSING(S628A) = 1)) S628A = 6.

*.
* NEW PHONE BOOK LISTING.

IF (S630A = 13) S630A = 2.
IF (S630A = 14) S630A = 5.
IF (S630A = 15) S630A = 8.
IF (S630A = 16) S630A = 11.
IF ((MISSING(S630) NE 1)&(MISSING(S630A) = 1)) S630A = 6.

*.

* NEW PHONE LINE.
 IF (S632A = 13) S632A = 2.
 IF (S632A = 14) S632A = 5.
 IF (S632A = 15) S632A = 8.
 IF (S632A = 16) S632A = 11.
 IF ((MISSING(S632) NE 1)&(MISSING(S632A) = 1)) S632A = 6.

*.
 * UNEMPLOYMENT INSURANCE TAX PAYMENT.
 IF (S634A = 13) S634A = 2.
 IF (S634A = 14) S634A = 5.
 IF (S634A = 15) S634A = 8.
 IF (S634A = 16) S634A = 11.
 IF ((MISSING(S634) NE 1)&(MISSING(S634A) = 1)) S634A = 6.

*.
 * FICA TAX PAYMENT.
 IF (S636A = 13) S636A = 2.
 IF (S636A = 14) S636A = 5.
 IF (S636A = 15) S636A = 8.
 IF (S636A = 16) S636A = 11.
 IF ((MISSING(S636) NE 1)&(MISSING(S636A) = 1)) S636A = 6.

*.
 * KNOW OF D&B LISTING.
 IF (S640A = 13) S640A = 2.
 IF (S640A = 14) S640A = 5.
 IF (S640A = 15) S640A = 8.
 IF (S640A = 16) S640A = 11.
 IF ((MISSING(S640) NE 1)&(MISSING(S640A) = 1)) S640A = 6.

*.
 COMPUTE THINK_D3 = (YRMODA(S567,S567A,15)).
 COMPUTE BUSPLND3 = (YRMODA(S572,S572A,15)).
 COMPUTE SUTEAMD3 = (YRMODA(S576,S576A,15)).
 COMPUTE MODEL_D3 = (YRMODA(S578,S578A,15)).
 COMPUTE PROMOTD3 = (YRMODA(S580,S580A,15)).

*.
 COMPUTE PATENTD3 = (YRMODA(S584,S584A,15)).
 COMPUTE PURCHAD3 = (YRMODA(S587,S587A,15)).
 COMPUTE LEASE_D3 = (YRMODA(S590,S590A,15)).
 COMPUTE DFNMKTD3 = (YRMODA(S593,S593A,15)).
 COMPUTE FINPRJD3 = (YRMODA(S595,S595A,15)).

*.
 COMPUTE SAVMOND3 = (YRMODA(S599,S599A,15)).
 COMPUTE INVMOND3 = (YRMODA(S601,S601A,15)).
 COMPUTE ASKFND3 = (YRMODA(S605,S605A,15)).
 COMPUTE SUPCRDD3 = (YRMODA(S607,S607A,15)).
 COMPUTE CLDCARD3 = (YRMODA(S609,S609A,15)).

*.
 COMPUTE FULLTMD3 = (YRMODA(S611,S611A,15)).
 COMPUTE HIRE__D3 = (YRMODA(S614,S614A,15)).
 COMPUTE BKACCTD3 = (YRMODA(S618,S618A,15)).
 COMPUTE SALES_D3 = (YRMODA(S620,S620A,15)).
 COMPUTE CSHFL_D3 = (YRMODA(S624,S624A,15)).
 COMPUTE CLASS_D3 = (YRMODA(S628,S628A,15)).

*.
 COMPUTE PHLISTD3 = (YRMODA(S630,S630A,15)).


```
COMPUTE PHLINED3 = (YRMODA(S632,S632A,15)).
COMPUTE UNEMP_D3 = (YRMODA(S634,S634A,15)).
COMPUTE FICA__D3 = (YRMODA(S636,S636A,15)).
COMPUTE FEDTAXD3 = (YRMODA(S638,4,15)).
```

```
*.
COMPUTE DANDB_D3 = (YRMODA(S640,S640A,15)).
```

```
*.
FORMAT THINK_D3 TO DANDB_D3 (F7.0).
```

```
*.
VARIABLE LABELS
```

```
THINK_D3 'W 3,DATE:INITIAL SERIOUS THOUGHT'/
BUSPLND3 'W 3,DATE:BUSINESS PLAN INITIATED'/
SUTEAMD3 'W 3,DATE:START-UP TEAM FORMED'/
MODEL_D3 'W 3,DATE:MODEL, PROTOTYPE INITATED'/
PROMOTD3 'W 3,DATE:PROMOT 4 PRODUCT,SERVICE INITIATE'/
PATENTD3 'W 3,DATE:PATENT,TRADEMARK,COPYRIGHT INITAT'/
PURCHAD3 'W 3,DATE:PURCHASED MATER,INVENT,SUPPLIES'/
LEASE_D3 'W 3,DATE:PURCHASED,LEASED PLANT,EQUIP,VEH'/
DFNMKTD3 'W 3,DATE:DEFINING MARKETS INITATED'/
FINPRJD3 'W 3,DATE:FINANCIAL PROJECTIONS INITIATED'/
SAVMOND3 'W 3,DATE:BEGAN SAVING TO INVEST IN BUSINES'/
INVMOND3 'W 3,DATE:BEGAN INVESTING OWN MONEY'/
ASKFNDD3 'W 3,DATE:ASKED FIN INSTITUTIONS FOR MONEY'/
SUPCRDD3 'W 3,DATE:ASKED FOR SUPPLIER CREDIT'/
CLDCARD3 'W 3,DATE:ARRANGED CHILD CARE,HOUSEKEEPING'/
FULLTMD3 'W 3,DATE:STARTED DEVOTING FULL TIME TO SU'/
HIRE__D3 'W 3,DATE:INITIAL EMPLOYEE HIRE'/
BKACCTD3 'W 3,DATE:OPENED BUSS BANK ACCOUNT'/
SALES_D3 'W 3,DATE:INITIAL SALES,REVENUE,INCOME'/
CSHFL_D3 'W 3,DATE:INITIAL POS MTH CASH FLOW'/
CLASS_D3 'W 3,DATE:TOOK CLASS,WORKSHOP ON START-UPS'/
PHLISTD3 'W 3,DATE:INITIAL PHONE BOOK LISTING'/
PHLINED3 'W 3,DATE:INITIAL DEDICATED PHONE LINE'/
UNEMP_D3 'W 3,DATE:INITIAL STATE UNEMP INSUR PAYMENT'/
FICA__D3 'W 3,DATE:INITIAL FEDERAL FICA PAYMENT'/
FEDTAXD3 'W 3,DATE:INITIAL FEDERAL INCOME TAX PAYMENT'/
DANDB_D3 'W 3,DATE:FIRST KNOWLEDGE OF D&B LISTING'.
```

```
*.
DESCRIPTIVES VAR = THINK_D3 TO DANDB_D3.
```

```
*.
=====
```

```
*.
* COMPUTE START-UP EVENT: WAVE 4 INTERVIEW ONLY.
```

```
*.
=====
```

```
*.
IF (T567 = 9998) T567 = 9999.
IF (T572 = 9998) T572 = 9999.
IF (T576 = 9998) T576 = 9999.
IF (T578 = 9998) T578 = 9999.
IF (T580 = 9998) T580 = 9999.
*.
IF (T584 = 9998) T584 = 9999.
IF (T587 = 9998) T587 = 9999.
```

IF (T590 = 9998) T590 = 9999.
 IF (T593 = 9998) T593 = 9999.
 IF (T595 = 9998) T595 = 9999.
 *.
 IF (T599 = 9998) T599 = 9999.
 IF (T601 = 9998) T601 = 9999.
 IF (T605 = 9998) T605 = 9999.
 IF (T607 = 9998) T607 = 9999.
 IF (T609 = 9998) T609 = 9999.
 *.
 IF (T611 = 9998) T611 = 9999.
 IF (T614 = 9998) T614 = 9999.
 IF (T618 = 9998) T618 = 9999.
 IF (T620 = 9998) T620 = 9999.
 IF (T624 = 9998) T624 = 9999.
 *.
 IF (T628 = 9998) T628 = 9999.
 IF (T630 = 9998) T630 = 9999.
 IF (T632 = 9998) T632 = 9999.
 IF (T634 = 9998) T634 = 9999.
 IF (T636 = 9998) T636 = 9999.
 *.
 IF (T640 = 9998) T640 = 9999.
 *.

MISSING VALUES

T567A T572A T576A T578A T580A
 T584A T587A T590A T593A T595A
 T599A T601A T605A T607A T609A
 T611A T614A T618A T620A T624A T628A
 T630A T632A T634A T636A
 T640A (99)/
 T567 T572 T576 T578 T580
 T584 T587 T590 T593 T595
 T599 T601 T605 T607 T609
 T611 T614 T618 T620 T624 T628
 T630 T632 T634 T636 T638
 T640 (9999).

*.
 * THINK ABOUT BUSS.
 IF (T567A = 13) T567A = 2.
 IF (T567A = 14) T567A = 5.
 IF (T567A = 15) T567A = 8.
 IF (T567A = 16) T567A = 11.
 IF ((MISSING(T567) NE 1)&(MISSING(T567A) = 1)) T567A = 6.
 *.

* BUSINESS PLAN.
 IF (T572A = 13) T572A = 2.
 IF (T572A = 14) T572A = 5.
 IF (T572A = 15) T572A = 8.
 IF (T572A = 16) T572A = 11.
 IF ((MISSING(T572) NE 1)&(MISSING(T572A) = 1)) T572A = 6.
 *.

* ORGANIZE START-UP TEAM.
 IF (T576A = 13) T576A = 2.

IF (T576A = 14) T576A = 5.
IF (T576A = 15) T576A = 8.
IF (T576A = 16) T576A = 11.
IF ((MISSING(T576) NE 1)&(MISSING(T576A) = 1)) T576A = 6.

*.
* PHYSICAL MODEL, PROTOTYPE.

IF (T578A = 13) T578A = 2.
IF (T578A = 14) T578A = 5.
IF (T578A = 15) T578A = 8.
IF (T578A = 16) T578A = 11.
IF ((MISSING(T578) NE 1)&(MISSING(T578A) = 1)) T578A = 6.

*.
* MARKETING, PROMOTIONAL.

IF (T580A = 13) T580A = 2.
IF (T580A = 14) T580A = 5.
IF (T580A = 15) T580A = 8.
IF (T580A = 16) T580A = 11.
IF ((MISSING(T580) NE 1)&(MISSING(T580A) = 1)) T580A = 6.

*.
* PATENT TRADEMARK.

IF (T584A = 13) T584A = 2.
IF (T584A = 14) T584A = 5.
IF (T584A = 15) T584A = 8.
IF (T584A = 16) T584A = 11.
IF ((MISSING(T584) NE 1)&(MISSING(T584A) = 1)) T584A = 6.

*.
* PURCHAED SUPPLIES, EQUIP.

IF (T587A = 13) T587A = 2.
IF (T587A = 14) T587A = 5.
IF (T587A = 15) T587A = 8.
IF (T587A = 16) T587A = 11.
IF ((MISSING(T587) NE 1)&(MISSING(T587A) = 1)) T587A = 6.

*.
* LEASED PLANT, EQUIP.

IF (T590A = 13) T590A = 2.
IF (T590A = 14) T590A = 5.
IF (T590A = 15) T590A = 8.
IF (T590A = 16) T590A = 11.
IF ((MISSING(T590) NE 1)&(MISSING(T590A) = 1)) T590A = 6.

*.
* DEFINE MARKET OPORTUNITIES.

IF (T593A = 13) T593A = 2.
IF (T593A = 14) T593A = 5.
IF (T593A = 15) T593A = 8.
IF (T593A = 16) T593A = 11.
IF ((MISSING(T593) NE 1)&(MISSING(T593A) = 1)) T593A = 6.

*.
* DEVELOPED FINANCIAL PROJECTIONS.

IF (T595A = 13) T595A = 2.
IF (T595A = 14) T595A = 5.
IF (T595A = 15) T595A = 8.
IF (T595A = 16) T595A = 11.
IF ((MISSING(T595) NE 1)&(MISSING(T595A) = 1)) T595A = 6.

*.

* SAVED TO INVEST IN BUSS.

IF (T599A = 13) T599A = 2.
IF (T599A = 14) T599A = 5.
IF (T599A = 15) T599A = 8.
IF (T599A = 16) T599A = 11.
IF ((MISSING(T599) NE 1)&(MISSING(T599A) = 1)) T599A = 6.

*.

* INVEST OWN MONEY IN BUSS.

IF (T601A = 13) T601A = 2.
IF (T601A = 14) T601A = 5.
IF (T601A = 15) T601A = 8.
IF (T601A = 16) T601A = 11.
IF ((MISSING(T601) NE 1)&(MISSING(T601A) = 1)) T601A = 6.

*.

* ASKED OTHER FOR FUNDS.

IF (T605A = 13) T605A = 2.
IF (T605A = 14) T605A = 5.
IF (T605A = 15) T605A = 8.
IF (T605A = 16) T605A = 11.
IF ((MISSING(T605) NE 1)&(MISSING(T605A) = 1)) T605A = 6.

*.

* ESTABLISHED SUPPLIER CREDIT.

IF (T607A = 13) T607A = 2.
IF (T607A = 14) T607A = 5.
IF (T607A = 15) T607A = 8.
IF (T607A = 16) T607A = 11.
IF ((MISSING(T607) NE 1)&(MISSING(T607A) = 1)) T607A = 6.

*.

* ARRANGED CHILD CARE.

IF (T609A = 13) T609A = 2.
IF (T609A = 14) T609A = 5.
IF (T609A = 15) T609A = 8.
IF (T609A = 16) T609A = 11.
IF ((MISSING(T609) NE 1)&(MISSING(T609A) = 1)) T609A = 6.

*.

* FULL TIME WORK ON BUSIENSS.

IF (T611A = 13) T611A = 2.
IF (T611A = 14) T611A = 5.
IF (T611A = 15) T611A = 8.
IF (T611A = 16) T611A = 11.
IF ((MISSING(T611) NE 1)&(MISSING(T611A) = 1)) T611A = 6.

*.

* HIRED EMPLOYEES, NO EQUITY SHARE.

IF (T614A = 13) T614A = 2.
IF (T614A = 14) T614A = 5.
IF (T614A = 15) T614A = 8.
IF (T614A = 16) T614A = 11.
IF ((MISSING(T614) NE 1)&(MISSING(T614A) = 1)) T614A = 6.

*.

* OPENED BANK ACCOUNT.

IF (T618A = 13) T618A = 2.
IF (T618A = 14) T618A = 5.
IF (T618A = 15) T618A = 8.
IF (T618A = 16) T618A = 11.

IF ((MISSING(T618) NE 1)&(MISSING(T618A) = 1)) T618A = 6.

*.

*

INITIAL REVENUE.

IF (T620A = 13) T620A = 2.

IF (T620A = 14) T620A = 5.

IF (T620A = 15) T620A = 8.

IF (T620A = 16) T620A = 11.

IF ((MISSING(T620) NE 1)&(MISSING(T620A) = 1)) T620A = 6.

*.

*

POSITIVE MONTHLY CASH FLOW.

IF (T624A = 13) T624A = 2.

IF (T624A = 14) T624A = 5.

IF (T624A = 15) T624A = 8.

IF (T624A = 16) T624A = 11.

IF ((MISSING(T624) NE 1)&(MISSING(T624A) = 1)) T624A = 6.

*.

*

TAKEN CLASSES OR WORKSHOPS.

IF (T628A = 13) T628A = 2.

IF (T628A = 14) T628A = 5.

IF (T628A = 15) T628A = 8.

IF (T628A = 16) T628A = 11.

IF ((MISSING(T628) NE 1)&(MISSING(T628A) = 1)) T628A = 6.

*.

*

NEW PHONE BOOK LISTING.

IF (T630A = 13) T630A = 2.

IF (T630A = 14) T630A = 5.

IF (T630A = 15) T630A = 8.

IF (T630A = 16) T630A = 11.

IF ((MISSING(T630) NE 1)&(MISSING(T630A) = 1)) T630A = 6.

*.

*

NEW PHONE LINE.

IF (T632A = 13) T632A = 2.

IF (T632A = 14) T632A = 5.

IF (T632A = 15) T632A = 8.

IF (T632A = 16) T632A = 11.

IF ((MISSING(T632) NE 1)&(MISSING(T632A) = 1)) T632A = 6.

*.

*

UNEMPLOYMENT INSURANCE TAX PAYMENT.

IF (T634A = 13) T634A = 2.

IF (T634A = 14) T634A = 5.

IF (T634A = 15) T634A = 8.

IF (T634A = 16) T634A = 11.

IF ((MISSING(T634) NE 1)&(MISSING(T634A) = 1)) T634A = 6.

*.

*

FICA TAX PAYMENT.

IF (T636A = 13) T636A = 2.

IF (T636A = 14) T636A = 5.

IF (T636A = 15) T636A = 8.

IF (T636A = 16) T636A = 11.

IF ((MISSING(T636) NE 1)&(MISSING(T636A) = 1)) T636A = 6.

*.

*

KNOW OF D&B LISTING.

IF (T640A = 13) T640A = 2.

IF (T640A = 14) T640A = 5.

```

IF (T640A = 15) T640A = 8.
IF (T640A = 16) T640A = 11.
IF ((MISSING(T640) NE 1)&(MISSING(T640A) = 1)) T640A = 6.
*.
COMPUTE THINK_D4 = (YRMODA(T567,T567A,15)).
COMPUTE BUSPLND4 = (YRMODA(T572,T572A,15)).
COMPUTE SUTEAMD4 = (YRMODA(T576,T576A,15)).
COMPUTE MODEL_D4 = (YRMODA(T578,T578A,15)).
COMPUTE PROMOTD4 = (YRMODA(T580,T580A,15)).
*.
COMPUTE PATENTD4 = (YRMODA(T584,T584A,15)).
COMPUTE PURCHAD4 = (YRMODA(T587,T587A,15)).
COMPUTE LEASE_D4 = (YRMODA(T590,T590A,15)).
COMPUTE DFNMKTD4 = (YRMODA(T593,T593A,15)).
COMPUTE FINPRJD4 = (YRMODA(T595,T595A,15)).
*.
COMPUTE SAVMOND4 = (YRMODA(T599,T599A,15)).
COMPUTE INVMOND4 = (YRMODA(T601,T601A,15)).
COMPUTE ASKFND4 = (YRMODA(T605,T605A,15)).
COMPUTE SUPCRDD4 = (YRMODA(T607,T607A,15)).
COMPUTE CLDCARD4 = (YRMODA(T609,T609A,15)).
*.
COMPUTE FULLTMD4 = (YRMODA(T611,T611A,15)).
COMPUTE HIRE__D4 = (YRMODA(T614,T614A,15)).
COMPUTE BKACCTD4 = (YRMODA(T618,T618A,15)).
COMPUTE SALES_D4 = (YRMODA(T620,T620A,15)).
COMPUTE CSHFL_D4 = (YRMODA(T624,T624A,15)).
COMPUTE CLASS_D4 = (YRMODA(T628,T628A,15)).
*.
COMPUTE PHLISTD4 = (YRMODA(T630,T630A,15)).
COMPUTE PHLINED4 = (YRMODA(T632,T632A,15)).
COMPUTE UNEMP_D4 = (YRMODA(T634,T634A,15)).
COMPUTE FICA__D4 = (YRMODA(T636,T636A,15)).
COMPUTE FEDTAXD4 = (YRMODA(T638,4,15)).
*.
COMPUTE DANDB_D4 = (YRMODA(T640,T640A,15)).
*.
FORMAT THINK_D4 TO DANDB_D4 (F7.0).
*.
VARIABLE LABELS
  THINK_D4 'W 4,DATE:INITIAL SERIOUS THOUGHT'/
  BUSPLND4 'W 4,DATE:BUSINESS PLAN INITIATED'/
  SUTEAMD4 'W 4,DATE:START-UP TEAM FORMED'/
  MODEL_D4 'W 4,DATE:MODEL, PROTOTYPE INITATED'/
  PROMOTD4 'W 4,DATE:PROMOT 4 PRODUCT,SERVICE INITIATE'/
  PATENTD4 'W 4,DATE:PATENT,TRADEMARK,COPYRIGHT INITAT'/
  PURCHAD4 'W 4,DATE:PURCHASED MATER,INVENT,SUPPLIES'/
  LEASE_D4 'W 4,DATE:PURCHASED,LEASED PLANT,EQUIP,VEH'/
  DFNMKTD4 'W 4,DATE:DEFINING MARKETS INITATED'/
  FINPRJD4 'W 4,DATE:FINANCIAL PROJECTIONS INITIATED'/
  SAVMOND4 'W 4,DATE:BEGAN SAVING TO INVEST IN BUSINES'/
  INVMOND4 'W 4,DATE:BEGAN INVESTING OWN MONEY'/
  ASKFND4 'W 4,DATE:ASKED FIN INSTITUTIONS FOR MONEY'/
  SUPCRDD4 'W 4,DATE:ASKED FOR SUPPLIER CREDIT'/

```

CLDCARD4 'W 4,DATE:ARRANGED CHILD CARE,HOUSEKEEPING'/
FULLTMD4 'W 4,DATE:STARTED DEVOTING FULL TIME TO SU'/
HIRE__D4 'W 4,DATE:INITIAL EMPLOYEE HIRE'/
BKACCTD4 'W 4,DATE:OPENED BUSS BANK ACCOUNT'/
SALES_D4 'W 4,DATE:INITIAL SALES,REVENUE,INCOME'/
CSHFL_D4 'W 4,DATE:INITIAL POS MTH CASH FLOW'/
CLASS_D4 'W 4,DATE:TOOK CLASS,WORKSHOP ON START-UPS'/
PHLISTD4 'W 4,DATE:INITIAL PHONE BOOK LISTING'/
PHLINED4 'W 4,DATE:INITIAL DEDICATED PHONE LINE'/
UNEMP_D4 'W 4,DATE:INITIAL STATE UNEMP INSUR PAYMENT'/
FICA__D4 'W 4,DATE:INITIAL FEDERAL FICA PAYMENT'/
FEDTAXD4 'W 4,DATE:INITIAL FEDERAL INCOME TAX PAYMENT'/
DANDB_D4 'W 4,DATE:FIRST KNOWLEDGE OF D&B LISTING'.

*.
DESCRIPTIVES VAR = THINK_D4 TO DANDB_D4.

*.
*DESCRIPTIVES ALL.

*.
*MODIFY VARS/DROP =

Q110 Q110A
Q115 Q115A
Q119 Q119A
Q121 Q121A
Q123 Q123A
Q127 Q127A
Q130 Q130A
Q133 Q133A
Q136 Q136A
Q138 Q138A
Q142 Q142A
Q144 Q144A
Q148 Q148A
Q150 Q150A
Q152 Q152A
Q154 Q154A
Q157 Q157A
Q161 Q161A
Q162A Q162B
Q170 Q170A
Q172 Q172A
Q174 Q174A
Q176 Q176A
Q178 Q178A
Q180
Q182 Q182A
R567 R567A
R572 R572A
R576 R576A
R578 R578A
R580 R580A
R584 R584A
R587 R587A
R590 R590A
R593 R593A

R595 R595A
R599 R599A
R601 R601A
R605 R605A
R607 R607A
R609 R609A
R611 R611A
R614 R614A
R618 R618A
R620 R620A
R628 R628A
R630 R630A
R632 R632A
R634 R634A
R636 R636A
R638
R640 R640A
S567 S567A
S572 S572A
S576 S576A
S578 S578A
S580 S580A
S584 S584A
S587 S587A
S590 S590A
S593 S593A
S595 S595A
S599 S599A
S601 S601A
S605 S605A
S607 S607A
S609 S609A
S611 S611A
S614 S614A
S618 S618A
S620 S620A
S628 S628A
S630 S630A
S632 S632A
S634 S634A
S636 S636A
S638
S640 S640A
T567 T567A
T572 T572A
T576 T576A
T578 T578A
T580 T580A
T584 T584A
T587 T587A
T590 T590A
T593 T593A
T595 T595A
T599 T599A

T601 T601A
T605 T605A
T607 T607A
T609 T609A
T611 T611A
T614 T614A
T618 T618A
T620 T620A
T628 T628A
T630 T630A
T632 T632A
T634 T634A
T636 T636A
T638
T640 T640A.

*.

SAVE OUTFILE = 'C:\PSED_I\WAVE_T\SPSS_SAV\ACTS_T01.SAV'.

EXPORT OUTFILE = 'C:\PSED_I\WAVE_T\SPSS_OUT\ACTS_T01.POR'.

*.

FINISH.

EXECUTE.

* __26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11.

* __26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11.

*.

TITLE 'C:\PSED_I\WAVE_T\SPSS_PRO\ACTS_T02.SPS'.
SUBTITLE 'INITIAL PROCESSING OF START-UP ACTS FROM PSED I'.

*.
* SPSS-PC COMMAND STATEMENTS.

*=====

*.
* FULL FREQUENCIES FOR ALL PSED Q,R,S,& T WAVE VARIABLES.

*.
* SYNTAX PROCESSING FILE CONVERTED FROM OUTCOMX2, WHICH.
* STARTED WITH ASSEMBLING VARIABLES FROM 13 FILES, EACH WITH.
* NO MORE THAN 500 VARIABLES.

*.
* PDR - 26 JULY 2011.

*=====

*.
GET FILE = 'C:\PSED_I\WAVE_T\SPSS_SAV\ACTS_T01.SAV'.

*=====

*.
* COMPUTE EARLIEST EVENT FOR EACH BEHAVIOR.

*=====

*.
COMPUTE THINK_AW = THINK_D1.
IF (MISSING(THINK_AW) = 1) THINK_AW = THINK_D2.
IF (MISSING(THINK_AW) = 1) THINK_AW = THINK_D3.
IF (MISSING(THINK_AW) = 1) THINK_AW = THINK_D4.
*.
IF (THINK_D1 LT THINK_AW) THINK_AW = THINK_D1.
IF (THINK_D2 LT THINK_AW) THINK_AW = THINK_D2.
IF (THINK_D3 LT THINK_AW) THINK_AW = THINK_D3.
IF (THINK_D4 LT THINK_AW) THINK_AW = THINK_D4.

*.
COMPUTE BUSPLNAW = BUSPLND1.
IF (MISSING(BUSPLNAW) = 1) BUSPLNAW = BUSPLND2.
IF (MISSING(BUSPLNAW) = 1) BUSPLNAW = BUSPLND3.
IF (MISSING(BUSPLNAW) = 1) BUSPLNAW = BUSPLND4.
*.
IF (BUSPLND1 LT BUSPLNAW) BUSPLNAW = BUSPLND1.
IF (BUSPLND2 LT BUSPLNAW) BUSPLNAW = BUSPLND2.
IF (BUSPLND3 LT BUSPLNAW) BUSPLNAW = BUSPLND3.
IF (BUSPLND4 LT BUSPLNAW) BUSPLNAW = BUSPLND4.

*.
COMPUTE SUTEAMAW = SUTEAMD1.
IF (MISSING(SUTEAMAW) = 1) SUTEAMAW = SUTEAMD2.
IF (MISSING(SUTEAMAW) = 1) SUTEAMAW = SUTEAMD3.
IF (MISSING(SUTEAMAW) = 1) SUTEAMAW = SUTEAMD4.
*.
IF (SUTEAMD1 LT SUTEAMAW) SUTEAMAW = SUTEAMD1.
IF (SUTEAMD2 LT SUTEAMAW) SUTEAMAW = SUTEAMD2.
IF (SUTEAMD3 LT SUTEAMAW) SUTEAMAW = SUTEAMD3.

```

IF (SUTEAMD4 LT SUTEAMAW) SUTEAMAW = SUTEAMD4.
*.
COMPUTE MODEL_AW = MODEL_D1.
IF (MISSING(MODEL_AW) = 1) MODEL_AW = MODEL_D2.
IF (MISSING(MODEL_AW) = 1) MODEL_AW = MODEL_D3.
IF (MISSING(MODEL_AW) = 1) MODEL_AW = MODEL_D4.
*.
IF (MODEL_D1 LT MODEL_AW) MODEL_AW = MODEL_D1.
IF (MODEL_D2 LT MODEL_AW) MODEL_AW = MODEL_D2.
IF (MODEL_D3 LT MODEL_AW) MODEL_AW = MODEL_D3.
IF (MODEL_D4 LT MODEL_AW) MODEL_AW = MODEL_D4.
*.
COMPUTE PROMOTAW = PROMOTD1.
IF (MISSING(PROMOTAW) = 1) PROMOTAW = PROMOTD2.
IF (MISSING(PROMOTAW) = 1) PROMOTAW = PROMOTD3.
IF (MISSING(PROMOTAW) = 1) PROMOTAW = PROMOTD4.
*.
IF (PROMOTD1 LT PROMOTAW) PROMOTAW = PROMOTD1.
IF (PROMOTD2 LT PROMOTAW) PROMOTAW = PROMOTD2.
IF (PROMOTD3 LT PROMOTAW) PROMOTAW = PROMOTD3.
IF (PROMOTD4 LT PROMOTAW) PROMOTAW = PROMOTD4.
*.
COMPUTE PATENTAW = PATENTD1.
IF (MISSING(PATENTAW) = 1) PATENTAW = PATENTD2.
IF (MISSING(PATENTAW) = 1) PATENTAW = PATENTD3.
IF (MISSING(PATENTAW) = 1) PATENTAW = PATENTD4.
*.
IF (PATENTD1 LT PATENTAW) PATENTAW = PATENTD1.
IF (PATENTD2 LT PATENTAW) PATENTAW = PATENTD2.
IF (PATENTD3 LT PATENTAW) PATENTAW = PATENTD3.
IF (PATENTD4 LT PATENTAW) PATENTAW = PATENTD4.
*.
COMPUTE PURCHAAW = PURCHAD1.
IF (MISSING(PURCHAAW) = 1) PURCHAAW = PURCHAD2.
IF (MISSING(PURCHAAW) = 1) PURCHAAW = PURCHAD3.
IF (MISSING(PURCHAAW) = 1) PURCHAAW = PURCHAD4.
*.
IF (PURCHAD1 LT PURCHAAW) PURCHAAW = PURCHAD1.
IF (PURCHAD2 LT PURCHAAW) PURCHAAW = PURCHAD2.
IF (PURCHAD3 LT PURCHAAW) PURCHAAW = PURCHAD3.
IF (PURCHAD4 LT PURCHAAW) PURCHAAW = PURCHAD4.
*.
COMPUTE LEASE_AW = LEASE_D1.
IF (MISSING(LEASE_AW) = 1) LEASE_AW = LEASE_D2.
IF (MISSING(LEASE_AW) = 1) LEASE_AW = LEASE_D3.
IF (MISSING(LEASE_AW) = 1) LEASE_AW = LEASE_D4.
*.
IF (LEASE_D1 LT LEASE_AW) LEASE_AW = LEASE_D1.
IF (LEASE_D2 LT LEASE_AW) LEASE_AW = LEASE_D2.
IF (LEASE_D3 LT LEASE_AW) LEASE_AW = LEASE_D3.
IF (LEASE_D4 LT LEASE_AW) LEASE_AW = LEASE_D4.
*.
COMPUTE DFNMKTAW = DFNMKTD1.
IF (MISSING(DFNMKTAW) = 1) DFNMKTAW = DFNMKTD2.

```

```

IF (MISSING(DFNMKTAW) = 1) DFNMKTAW = DFNMKTD3.
IF (MISSING(DFNMKTAW) = 1) DFNMKTAW = DFNMKTD4.
*.
IF (DFNMKTD1 LT DFNMKTAW) DFNMKTAW = DFNMKTD1.
IF (DFNMKTD2 LT DFNMKTAW) DFNMKTAW = DFNMKTD2.
IF (DFNMKTD3 LT DFNMKTAW) DFNMKTAW = DFNMKTD3.
IF (DFNMKTD4 LT DFNMKTAW) DFNMKTAW = DFNMKTD4.
*.
COMPUTE FINPRJAW = FINPRJD1.
IF (MISSING(FINPRJAW) = 1) FINPRJAW = FINPRJD2.
IF (MISSING(FINPRJAW) = 1) FINPRJAW = FINPRJD3.
IF (MISSING(FINPRJAW) = 1) FINPRJAW = FINPRJD4.
*.
IF (FINPRJD1 LT FINPRJAW) FINPRJAW = FINPRJD1.
IF (FINPRJD2 LT FINPRJAW) FINPRJAW = FINPRJD2.
IF (FINPRJD3 LT FINPRJAW) FINPRJAW = FINPRJD3.
IF (FINPRJD4 LT FINPRJAW) FINPRJAW = FINPRJD4.
*.
COMPUTE SAVMONAW = SAVMOND1.
IF (MISSING(SAVMONAW) = 1) SAVMONAW = SAVMOND2.
IF (MISSING(SAVMONAW) = 1) SAVMONAW = SAVMOND3.
IF (MISSING(SAVMONAW) = 1) SAVMONAW = SAVMOND4.
*.
IF (SAVMOND1 LT SAVMONAW) SAVMONAW = SAVMOND1.
IF (SAVMOND2 LT SAVMONAW) SAVMONAW = SAVMOND2.
IF (SAVMOND3 LT SAVMONAW) SAVMONAW = SAVMOND3.
IF (SAVMOND4 LT SAVMONAW) SAVMONAW = SAVMOND4.
*.
COMPUTE INVMONAW = INVMOND1.
IF (MISSING(INVMONAW) = 1) INVMONAW = INVMOND2.
IF (MISSING(INVMONAW) = 1) INVMONAW = INVMOND3.
IF (MISSING(INVMONAW) = 1) INVMONAW = INVMOND4.
*.
IF (INVMOND1 LT INVMONAW) INVMONAW = INVMOND1.
IF (INVMOND2 LT INVMONAW) INVMONAW = INVMOND2.
IF (INVMOND3 LT INVMONAW) INVMONAW = INVMOND3.
IF (INVMOND4 LT INVMONAW) INVMONAW = INVMOND4.
*.
COMPUTE ASKFNDAW = ASKFND1.
IF (MISSING(ASKFNDAW) = 1) ASKFNDAW = ASKFND2.
IF (MISSING(ASKFNDAW) = 1) ASKFNDAW = ASKFND3.
IF (MISSING(ASKFNDAW) = 1) ASKFNDAW = ASKFND4.
*.
IF (ASKFND1 LT ASKFNDAW) ASKFNDAW = ASKFND1.
IF (ASKFND2 LT ASKFNDAW) ASKFNDAW = ASKFND2.
IF (ASKFND3 LT ASKFNDAW) ASKFNDAW = ASKFND3.
IF (ASKFND4 LT ASKFNDAW) ASKFNDAW = ASKFND4.
*.
COMPUTE SUPCRDAW = SUPCRDD1.
IF (MISSING(SUPCRDAW) = 1) SUPCRDAW = SUPCRDD2.
IF (MISSING(SUPCRDAW) = 1) SUPCRDAW = SUPCRDD3.
IF (MISSING(SUPCRDAW) = 1) SUPCRDAW = SUPCRDD4.
*.
IF (SUPCRDD1 LT SUPCRDAW) SUPCRDAW = SUPCRDD1.

```

```

IF (SUPCRDD2 LT SUPCRDAW) SUPCRDAW = SUPCRDD2.
IF (SUPCRDD3 LT SUPCRDAW) SUPCRDAW = SUPCRDD3.
IF (SUPCRDD4 LT SUPCRDAW) SUPCRDAW = SUPCRDD4.
*.
COMPUTE CLDCARAW = CLDCARD1.
IF (MISSING(CLDCARAW) = 1) CLDCARAW = CLDCARD2.
IF (MISSING(CLDCARAW) = 1) CLDCARAW = CLDCARD3.
IF (MISSING(CLDCARAW) = 1) CLDCARAW = CLDCARD4.
*.
IF (CLDCARD1 LT CLDCARAW) CLDCARAW = CLDCARD1.
IF (CLDCARD2 LT CLDCARAW) CLDCARAW = CLDCARD2.
IF (CLDCARD3 LT CLDCARAW) CLDCARAW = CLDCARD3.
IF (CLDCARD4 LT CLDCARAW) CLDCARAW = CLDCARD4.
*.
COMPUTE FULLTMAW = FULLTMD1.
IF (MISSING(FULLTMAW) = 1) FULLTMAW = FULLTMD2.
IF (MISSING(FULLTMAW) = 1) FULLTMAW = FULLTMD3.
IF (MISSING(FULLTMAW) = 1) FULLTMAW = FULLTMD4.
*.
IF (FULLTMD1 LT FULLTMAW) FULLTMAW = FULLTMD1.
IF (FULLTMD2 LT FULLTMAW) FULLTMAW = FULLTMD2.
IF (FULLTMD3 LT FULLTMAW) FULLTMAW = FULLTMD3.
IF (FULLTMD4 LT FULLTMAW) FULLTMAW = FULLTMD4.
*.
COMPUTE HIRE__AW = HIRE__D1.
IF (MISSING(HIRE__AW) = 1) HIRE__AW = HIRE__D2.
IF (MISSING(HIRE__AW) = 1) HIRE__AW = HIRE__D3.
IF (MISSING(HIRE__AW) = 1) HIRE__AW = HIRE__D4.
*.
IF (HIRE__D1 LT HIRE__AW) HIRE__AW = HIRE__D1.
IF (HIRE__D2 LT HIRE__AW) HIRE__AW = HIRE__D2.
IF (HIRE__D3 LT HIRE__AW) HIRE__AW = HIRE__D3.
IF (HIRE__D4 LT HIRE__AW) HIRE__AW = HIRE__D4.
*.
COMPUTE BKACCTAW = BKACCTD1.
IF (MISSING(BKACCTAW) = 1) BKACCTAW = BKACCTD2.
IF (MISSING(BKACCTAW) = 1) BKACCTAW = BKACCTD3.
IF (MISSING(BKACCTAW) = 1) BKACCTAW = BKACCTD4.
*.
IF (BKACCTD1 LT BKACCTAW) BKACCTAW = BKACCTD1.
IF (BKACCTD2 LT BKACCTAW) BKACCTAW = BKACCTD2.
IF (BKACCTD3 LT BKACCTAW) BKACCTAW = BKACCTD3.
IF (BKACCTD4 LT BKACCTAW) BKACCTAW = BKACCTD4.
*.
COMPUTE SALES__AW = SALES__D1.
IF (MISSING(SALES__AW) = 1) SALES__AW = SALES__D2.
IF (MISSING(SALES__AW) = 1) SALES__AW = SALES__D3.
IF (MISSING(SALES__AW) = 1) SALES__AW = SALES__D4.
*.
IF (SALES__D1 LT SALES__AW) SALES__AW = SALES__D1.
IF (SALES__D2 LT SALES__AW) SALES__AW = SALES__D2.
IF (SALES__D3 LT SALES__AW) SALES__AW = SALES__D3.
IF (SALES__D4 LT SALES__AW) SALES__AW = SALES__D4.
*.

```

```

COMPUTE CSHFL_AW      = CSHFL_D1.
IF   (MISSING(CSHFL_AW) = 1) CSHFL_AW = CSHFL_D2.
IF   (MISSING(CSHFL_AW) = 1)   CSHFL_AW = CSHFL_D3.
IF   (MISSING(CSHFL_AW) = 1) CSHFL_AW = CSHFL_D4.
*.
IF   (CSHFL_D1 LT CSHFL_AW) CSHFL_AW = CSHFL_D1.
IF   (CSHFL_D2 LT CSHFL_AW) CSHFL_AW = CSHFL_D2.
IF   (CSHFL_D3 LT CSHFL_AW) CSHFL_AW = CSHFL_D3.
IF   (CSHFL_D4 LT CSHFL_AW) CSHFL_AW = CSHFL_D4.
*.
COMPUTE CLASS_AW     = CLASS_D1.
IF   (MISSING(CLASS_AW) = 1) CLASS_AW = CLASS_D2.
IF   (MISSING(CLASS_AW) = 1) CLASS_AW = CLASS_D3.
IF   (MISSING(CLASS_AW) = 1) CLASS_AW = CLASS_D4.
*.
IF   (CLASS_D1 LT CLASS_AW) CLASS_AW = CLASS_D1.
IF   (CLASS_D2 LT CLASS_AW) CLASS_AW = CLASS_D2.
IF   (CLASS_D3 LT CLASS_AW) CLASS_AW = CLASS_D3.
IF   (CLASS_D4 LT CLASS_AW) CLASS_AW = CLASS_D4.
*.
COMPUTE PHLISTAW     = PHLISTD1.
IF   (MISSING(PHLISTAW) = 1) PHLISTAW = PHLISTD2.
IF   (MISSING(PHLISTAW) = 1) PHLISTAW = PHLISTD3.
IF   (MISSING(PHLISTAW) = 1) PHLISTAW = PHLISTD4.
*.
IF   (PHLISTD1 LT PHLISTAW) PHLISTAW = PHLISTD1.
IF   (PHLISTD2 LT PHLISTAW) PHLISTAW = PHLISTD2.
IF   (PHLISTD3 LT PHLISTAW) PHLISTAW = PHLISTD3.
IF   (PHLISTD4 LT PHLISTAW) PHLISTAW = PHLISTD4.
*.
COMPUTE PHLINEAW     = PHLINED1.
IF   (MISSING(PHLINEAW) = 1) PHLINEAW = PHLINED2.
IF   (MISSING(PHLINEAW) = 1) PHLINEAW = PHLINED3.
IF   (MISSING(PHLINEAW) = 1) PHLINEAW = PHLINED4.
*.
IF   (PHLINED1 LT PHLINEAW) PHLINEAW = PHLINED1.
IF   (PHLINED2 LT PHLINEAW) PHLINEAW = PHLINED2.
IF   (PHLINED3 LT PHLINEAW) PHLINEAW = PHLINED3.
IF   (PHLINED4 LT PHLINEAW) PHLINEAW = PHLINED4.
*.
COMPUTE UNEMP_AW     = UNEMP_D1.
IF   (MISSING(UNEMP_AW) = 1) UNEMP_AW = UNEMP_D2.
IF   (MISSING(UNEMP_AW) = 1) UNEMP_AW = UNEMP_D3.
IF   (MISSING(UNEMP_AW) = 1) UNEMP_AW = UNEMP_D4.
*.
IF   (UNEMP_D1 LT UNEMP_AW) UNEMP_AW = UNEMP_D1.
IF   (UNEMP_D2 LT UNEMP_AW) UNEMP_AW = UNEMP_D2.
IF   (UNEMP_D3 LT UNEMP_AW) UNEMP_AW = UNEMP_D3.
IF   (UNEMP_D4 LT UNEMP_AW) UNEMP_AW = UNEMP_D4.
*.
DESCRIPTIVES VAR UNEMP_AW.
*.
COMPUTE FICA__AW     = FICA__D1.
IF   (MISSING(FICA__AW) = 1) FICA__AW = FICA__D2.

```

```

IF (MISSING(FICA__AW) = 1) FICA__AW = FICA__D3.
IF (MISSING(FICA__AW) = 1) FICA__AW = FICA__D4.
*.
IF (FICA__D1 LT FICA__AW) FICA__AW = FICA__D1.
IF (FICA__D2 LT FICA__AW) FICA__AW = FICA__D2.
IF (FICA__D3 LT FICA__AW) FICA__AW = FICA__D3.
IF (FICA__D4 LT FICA__AW) FICA__AW = FICA__D4.
*.

```

```

COMPUTE FEDTAXAW = FEDTAXD1.

```

```

IF (MISSING(FEDTAXAW) = 1) FEDTAXAW = FEDTAXD2.
IF (MISSING(FEDTAXAW) = 1) FEDTAXAW = FEDTAXD3.
IF (MISSING(FEDTAXAW) = 1) FEDTAXAW = FEDTAXD4.
*.
IF (FEDTAXD1 LT FEDTAXAW) FEDTAXAW = FEDTAXD1.
IF (FEDTAXD2 LT FEDTAXAW) FEDTAXAW = FEDTAXD2.
IF (FEDTAXD3 LT FEDTAXAW) FEDTAXAW = FEDTAXD3.
IF (FEDTAXD4 LT FEDTAXAW) FEDTAXAW = FEDTAXD4.
*.

```

```

COMPUTE DANDB__AW = DANDB__D1.

```

```

IF (MISSING(DANDB__AW) = 1) DANDB__AW = DANDB__D2.
IF (MISSING(DANDB__AW) = 1) DANDB__AW = DANDB__D3.
IF (MISSING(DANDB__AW) = 1) DANDB__AW = DANDB__D4.
*.
IF (DANDB__D1 LT DANDB__AW) DANDB__AW = DANDB__D1.
IF (DANDB__D2 LT DANDB__AW) DANDB__AW = DANDB__D2.
IF (DANDB__D3 LT DANDB__AW) DANDB__AW = DANDB__D3.
IF (DANDB__D4 LT DANDB__AW) DANDB__AW = DANDB__D4.
*.

```

```

RENAME VARIABLES

```

```

VARIABLE LABELS

```

```

THINK__AW 'PSED_I 1ST DATE :INITIAL SERIOUS THOUGHT'/
BUSPLNAW 'PSED_I 1ST DATE :BUSINESS PLAN INITIATED'/
SUTEAMAW 'PSED_I 1ST DATE :START-UP TEAM FORMED'/
MODEL__AW 'PSED_I 1ST DATE :MODEL, PROTOTYPE INITATED'/
PROMOTAW 'PSED_I 1ST DATE :PROMOT 4 PRODUCT,SERVICE INITIATE'/
PATENTAW 'PSED_I 1ST DATE :PATENT,TRADEMARK,COPYRIGHT INITAT'/
PURCHAAW 'PSED_I 1ST DATE :PURCHASED MATER,INVENT,SUPPLIES'/
LEASE__AW 'PSED_I 1ST DATE :PURCHASED,LEASED PLANT,EQUIP,VEH'/
DFNMKTAW 'PSED_I 1ST DATE :DEFINING MARKETS INITATED'/
FINPRJAW 'PSED_I 1ST DATE :FINANCIAL PROJECTIONS INITIATED'/
SAVMONAW 'PSED_I 1ST DATE :BEGAN SAVING TO INVEST IN BUSINES'/
INVMONAW 'PSED_I 1ST DATE :BEGAN INVESTING OWN MONEY'/
ASKFNDAW 'PSED_I 1ST DATE :ASKED FIN INSTITUTIONS FOR MONEY'/
SUPCRDAW 'PSED_I 1ST DATE :ASKED FOR SUPPLIER CREDIT'/
CLDCARAW 'PSED_I 1ST DATE :ARRANGED CHILD CARE,HOUSEKEEPING'/
FULLTMAW 'PSED_I 1ST DATE :STARTED DEVOTING FULL TIME TO SU'/
HIRE__AW 'PSED_I 1ST DATE :INITIAL EMPLOYEE HIRE'/
BKACCTAW 'PSED_I 1ST DATE :OPENED BUSS BANK ACCOUNT'/
SALES__AW 'PSED_I 1ST DATE :INITIAL SALES,REVENUE,INCOME'/
CSHFL__AW 'PSED_I 1ST DATE :INITIAL POS MTH CASH FLOW'/
CLASS__AW 'PSED_I 1ST DATE :TOOK CLASS,WORKSHOP ON START-UPS'/
PHLISTAW 'PSED_I 1ST DATE :INITIAL PHONE BOOK LISTING'/
PHLINEAW 'PSED_I 1ST DATE :INITIAL DEDICATED PHONE LINE'/

```

```
UNEMP_AW    'PSED_I 1ST DATE :INITIAL STATE UNEMP INSUR PAYMENT'/
FICA__AW    'PSED_I 1ST DATE :INITIAL FEDERAL FICA PAYMENT'/
FEDTAXAW    'PSED_I 1ST DATE :INITIAL FEDERAL INCOME TAX PAYMENT'/
DANDB_AW    'PSED_I 1ST DATE :FIRST KNOWLEDGE OF D&B LISTING'.
```

*.

```
FORMAT THINK_AW TO DANDB_AW (F7.0) RESPID (F10.0).
DESC VAR THINK_AW TO DANDB_AW.
```

*.

```
SORT CASES BY RESPID (A).
```

*.

```
SAVE  OUTFILE = 'C:\PSED_I\WAVE_T\SPSS_SAV\ACTS_T02.SAV'.
EXPORT OUTFILE = 'C:\PSED_I\WAVE_T\SPSS_OUT\ACTS_T02.POR'.
```

```
*__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11.
```

```
*__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11.
```


TITLE 'C:\PSED_I\WAVE_T\SPSS_PRO\ACTS_T03.SPS'.
SUBTITLE 'INITIAL PROCESSING OF START-UP ACTS FROM PSED I'.

*.
* SPSS-PC COMMAND STATEMENTS.

*=====.

*.
* FULL FREQUENCIES FOR ALL PSED Q,R,S,& T WAVE VARIABLES.

*.
* SYNTAX PROCESSING FILE CONVERTED FROM OUTCOMX2, WHICH.
* STARTED WITH ASSEMBLING VARIABLES FROM 13 FILES, EACH WITH.
* NO MORE THAN 500 VARIABLES.

*.
* PDR - 26 JULY 2011.

*=====.

*.
GET FILE = 'C:\PSED_I\WAVE_T\SPSS_SAV\ACTS_T02.SAV'.

*=====.

*.
* COUNT NUMBER OF START-UP ACTS REPORTED IN ALL 4 WAVES.

*=====.

*.
COUNT SUACTS_A = BUSPLNAW TO DANDB_AW (LOW THRU HI)/
SUACTM_A = BUSPLNAW TO DANDB_AW (MISSING).

*.
COMPUTE SUACTT_A = SUACTS_A+SUACTM_A.

*.
VARIABLE LABELS

SUACTS_A 'START UP ACTS W/ DATES,ALL WAVES:MAX=26/'
SUACTM_A 'START UP ACTS W/O DATES,ALL WAVES:MAX=26/'
SUACTT_A 'START UP ACTS TOTAL COUNT,ALL WAVES'.

*.
COMPUTE SUACTA_6 = SUACTS_A.

RECODE SUACTA_6

(LO THRU 2 = 2)
(3 THRU 5 = 305)
(6 THRU 9 = 609)
(10 THRU 14 = 1014)
(15 THRU 19 = 1519)
(20 THRU 26 = 2026).

VARIABLE LABEL

SUACTA_6 'TOTAL START-UP ACTS,ALL WAVES:6 CATEGORIES'.

VALUE LABELS SUACTA_6

2 '0 TO 2 ACTS'
305 '3 TO 5 ACTS'
609 '6 TO 9 ACTS'
1014 '10 TO 14 ACTS'
1519 '15 TO 19 ACTS'
2026 '20 TO 26 ACTS'.

*.

```
FORMAT SUACTS_A SUACTM_A SUACTT_A SUACTA_6 (F5.0).
FREQ VAR SUACTS_A SUACTM_A SUACTT_A SUACTA_6/STAT ALL.
```

```
*.
*=====
*
*   COUNT NUMBER OF START-UP ACTS REPORTED IN WAVE 1.
*
*=====
```

```
*.
COUNT  SUACTS_1 = BUSPLND1 TO DANDB_D1 (LOW THRU HI)/
        SUACTM_1 = BUSPLND1 TO DANDB_D1 (MISSING).
```

```
*.
COMPUTE SUACTT_1 = SUACTS_1+SUACTM_1.
```

```
*.
VARIABLE LABELS
```

```
    SUACTS_1    'START UP ACTS W/ DATES,WAVE 1:MAX=26/'
    SUACTM_1    'START UP ACTS W/O DATES,WAVE 1:MAX=26/'
    SUACTT_1    'START UP ACTS TOTAL COUNT, WAVE 1'.
```

```
*.
COMPUTE SUACT1_6 = SUACTS_1.
```

```
RECODE SUACT1_6
```

```
    (LO THRU 2   = 2)
    (3 THRU 5   = 305)
    (6 THRU 9   = 609)
    (10 THRU 14  = 1014)
    (15 THRU 19  = 1519)
    (20 THRU 26  = 2026).
```

```
VARIABLE LABEL
```

```
    SUACT1_6    'TOTAL WAVE 1 START-UP ACTS - 6 CATEGORIES'.
```

```
VALUE LABELS SUACT1_6
```

```
    2    '0 TO 2 ACTS'
    305  '3 TO 5 ACTS'
    609  '6 TO 9 ACTS'
    1014 '10 TO 14 ACTS'
    1519 '15 TO 19 ACTS'
    2026 '20 TO 26 ACTS'.
```

```
*.
FORMAT SUACTS_1 SUACTM_1 SUACTT_1 SUACT1_6 (F5.0).
```

```
FREQ VAR SUACTS_1 SUACTM_1 SUACTT_1 SUACT1_6/
STAT ALL.
```

```
*.
*=====
*
*   LOCATE DATE OF INITIAL BEHAVIOR.
*   IDENTIFY SEQUENCE OF DATES OF INITIAL START-UP ACTS.
*
*=====
```

```
*.
COMPUTE    SUACT_1 = 999999.
```

```
VARIABLE LABEL
```

```
    SUACT_1    'INITIAL ACT IN START-UP SEQUENCE'.
```

```
*.
IF (DANDB_AW LT SUACT_1) SUACT_1 = DANDB_AW.
```

```
IF (FEDTAXAW LT SUACT_1) SUACT_1 = FEDTAXAW.
```

```

IF (FICA__AW LT SUACT_1) SUACT_1 = FICA__AW.
IF (UNEMP__AW LT SUACT_1) SUACT_1 = UNEMP__AW.
IF (PHLINEAW LT SUACT_1) SUACT_1 = PHLINEAW.
*.
IF (PHLISTAW LT SUACT_1) SUACT_1 = PHLISTAW.
IF (CLASS__AW LT SUACT_1) SUACT_1 = CLASS__AW.
IF (SALES__AW LT SUACT_1) SUACT_1 = SALES__AW.
IF (BKACCTAW LT SUACT_1) SUACT_1 = BKACCTAW.
IF (HIRE__AW LT SUACT_1) SUACT_1 = HIRE__AW.
*.
IF (FULLTMAW LT SUACT_1) SUACT_1 = FULLTMAW.
IF (CLDCARAW LT SUACT_1) SUACT_1 = CLDCARAW.
IF (SUPCRDAW LT SUACT_1) SUACT_1 = SUPCRDAW.
IF (ASKFNDAW LT SUACT_1) SUACT_1 = ASKFNDAW.
IF (INVMONAW LT SUACT_1) SUACT_1 = INVMONAW.
*.
IF (SAVMONAW LT SUACT_1) SUACT_1 = SAVMONAW.
IF (FINPRJAW LT SUACT_1) SUACT_1 = FINPRJAW.
IF (DFNMKTAW LT SUACT_1) SUACT_1 = DFNMKTAW.
IF (LEASE__AW LT SUACT_1) SUACT_1 = LEASE__AW.
IF (PURCHAAW LT SUACT_1) SUACT_1 = PURCHAAW.
*.
IF (SAVMONAW LT SUACT_1) SUACT_1 = SAVMONAW.
IF (FINPRJAW LT SUACT_1) SUACT_1 = FINPRJAW.
IF (DFNMKTAW LT SUACT_1) SUACT_1 = DFNMKTAW.
IF (LEASE__AW LT SUACT_1) SUACT_1 = LEASE__AW.
IF (PURCHAAW LT SUACT_1) SUACT_1 = PURCHAAW.
*.
IF (PATENTAW LT SUACT_1) SUACT_1 = PATENTAW.
IF (PROMOTAW LT SUACT_1) SUACT_1 = PROMOTAW.
IF (MODEL__AW LT SUACT_1) SUACT_1 = MODEL__AW.
IF (SUTEAMAW LT SUACT_1) SUACT_1 = SUTEAMAW.
IF (BUSPLNAW LT SUACT_1) SUACT_1 = BUSPLNAW.
*.
DESCRIPTIVES VAR SUACT_1.
*.
MISSING VALUES SUACT_1 (999999).
*.
FREQ VAR SUACT_1/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.
*.
COMPUTE SUACT_2 = 999998.
VARIABLE LABEL
SUACT_2 'SECOND ACT IN START-UP SEQUENCE'.
*.
IF ((DANDB__AW LT SUACT_2)&(DANDB__AW GT SUACT_1)) SUACT_2 = DANDB__AW.
IF ((FEDTAXAW LT SUACT_2)&(FEDTAXAW GT SUACT_1)) SUACT_2 = FEDTAXAW.
IF ((FICA__AW LT SUACT_2)&(FICA__AW GT SUACT_1)) SUACT_2 = FICA__AW.
IF ((UNEMP__AW LT SUACT_2)&(UNEMP__AW GT SUACT_1)) SUACT_2 = UNEMP__AW.
IF ((PHLINEAW LT SUACT_2)&(PHLINEAW GT SUACT_1)) SUACT_2 = PHLINEAW.
*.
IF ((PHLISTAW LT SUACT_2)&(PHLISTAW GT SUACT_1)) SUACT_2 = PHLISTAW.
IF ((CLASS__AW LT SUACT_2)&(CLASS__AW GT SUACT_1)) SUACT_2 = CLASS__AW.
IF ((SALES__AW LT SUACT_2)&(SALES__AW GT SUACT_1)) SUACT_2 = SALES__AW.
IF ((BKACCTAW LT SUACT_2)&(BKACCTAW GT SUACT_1)) SUACT_2 = BKACCTAW.

```

```

IF ((HIRE__AW LT SUACT_2)&(HIRE__AW GT SUACT_1)) SUACT_2 = HIRE__AW.
*.
IF ((FULLTMAW LT SUACT_2)&(FULLTMAW GT SUACT_1)) SUACT_2 = FULLTMAW.
IF ((CLDCARAW LT SUACT_2)&(CLDCARAW GT SUACT_1)) SUACT_2 = CLDCARAW.
IF ((SUPCRDAW LT SUACT_2)&(SUPCRDAW GT SUACT_1)) SUACT_2 = SUPCRDAW.
IF ((ASKFNDAW LT SUACT_2)&(ASKFNDAW GT SUACT_1)) SUACT_2 = ASKFNDAW.
IF ((INVMONAW LT SUACT_2)&(INVMONAW GT SUACT_1)) SUACT_2 = INVMONAW.
*.
IF ((SAVMONAW LT SUACT_2)&(SAVMONAW GT SUACT_1)) SUACT_2 = SAVMONAW.
IF ((FINPRJAW LT SUACT_2)&(FINPRJAW GT SUACT_1)) SUACT_2 = FINPRJAW.
IF ((DFNMKTAW LT SUACT_2)&(DFNMKTAW GT SUACT_1)) SUACT_2 = DFNMKTAW.
IF ((LEASE__AW LT SUACT_2)&(LEASE__AW GT SUACT_1)) SUACT_2 = LEASE__AW.
IF ((PURCHAAW LT SUACT_2)&(PURCHAAW GT SUACT_1)) SUACT_2 = PURCHAAW.
*.
IF ((PATENTAW LT SUACT_2)&(PATENTAW GT SUACT_1)) SUACT_2 = PATENTAW.
IF ((PROMOTAW LT SUACT_2)&(PROMOTAW GT SUACT_1)) SUACT_2 = PROMOTAW.
IF ((MODEL__AW LT SUACT_2)&(MODEL__AW GT SUACT_1)) SUACT_2 = MODEL__AW.
IF ((SUTEAMAW LT SUACT_2)&(SUTEAMAW GT SUACT_1)) SUACT_2 = SUTEAMAW.
IF ((BUSPLNAW LT SUACT_2)&(BUSPLNAW GT SUACT_1)) SUACT_2 = BUSPLNAW.
*.
*.
DESCRIPTIVES VAR SUACT_2.
*.
MISSING VALUES SUACT_2 (999998).
*.
FREQ VAR SUACT_2/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.
*.
COMPUTE      SUACT_3 = 999997.
VARIABLE LABEL
      SUACT_3      'THIRD ACT IN START-UP SEQUENCE'.
*.
IF ((DANDB__AW LT SUACT_3)&(DANDB__AW GT SUACT_2)) SUACT_3 = DANDB__AW.
IF ((FEDTAXAW LT SUACT_3)&(FEDTAXAW GT SUACT_2)) SUACT_3 = FEDTAXAW.
IF ((FICA__AW LT SUACT_3)&(FICA__AW GT SUACT_2)) SUACT_3 = FICA__AW.
IF ((UNEMP__AW LT SUACT_3)&(UNEMP__AW GT SUACT_2)) SUACT_3 = UNEMP__AW.
IF ((PHLINEAW LT SUACT_3)&(PHLINEAW GT SUACT_2)) SUACT_3 = PHLINEAW.
*.
IF ((PHLISTAW LT SUACT_3)&(PHLISTAW GT SUACT_2)) SUACT_3 = PHLISTAW.
IF ((CLASS__AW LT SUACT_3)&(CLASS__AW GT SUACT_2)) SUACT_3 = CLASS__AW.
IF ((SALES__AW LT SUACT_3)&(SALES__AW GT SUACT_2)) SUACT_3 = SALES__AW.
IF ((BKACCTAW LT SUACT_3)&(BKACCTAW GT SUACT_2)) SUACT_3 = BKACCTAW.
IF ((HIRE__AW LT SUACT_3)&(HIRE__AW GT SUACT_2)) SUACT_3 = HIRE__AW.
*.
IF ((FULLTMAW LT SUACT_3)&(FULLTMAW GT SUACT_2)) SUACT_3 = FULLTMAW.
IF ((CLDCARAW LT SUACT_3)&(CLDCARAW GT SUACT_2)) SUACT_3 = CLDCARAW.
IF ((SUPCRDAW LT SUACT_3)&(SUPCRDAW GT SUACT_2)) SUACT_3 = SUPCRDAW.
IF ((ASKFNDAW LT SUACT_3)&(ASKFNDAW GT SUACT_2)) SUACT_3 = ASKFNDAW.
IF ((INVMONAW LT SUACT_3)&(INVMONAW GT SUACT_2)) SUACT_3 = INVMONAW.
*.
IF ((SAVMONAW LT SUACT_3)&(SAVMONAW GT SUACT_2)) SUACT_3 = SAVMONAW.
IF ((FINPRJAW LT SUACT_3)&(FINPRJAW GT SUACT_2)) SUACT_3 = FINPRJAW.
IF ((DFNMKTAW LT SUACT_3)&(DFNMKTAW GT SUACT_2)) SUACT_3 = DFNMKTAW.
IF ((LEASE__AW LT SUACT_3)&(LEASE__AW GT SUACT_2)) SUACT_3 = LEASE__AW.
IF ((PURCHAAW LT SUACT_3)&(PURCHAAW GT SUACT_2)) SUACT_3 = PURCHAAW.

```

```

*.
IF ((PATENTAW LT SUACT_3)&(PATENTAW GT SUACT_2)) SUACT_3 = PATENTAW.
IF ((PROMOTAW LT SUACT_3)&(PROMOTAW GT SUACT_2)) SUACT_3 = PROMOTAW.
IF ((MODEL_AW LT SUACT_3)&(MODEL_AW GT SUACT_2)) SUACT_3 = MODEL_AW.
IF ((SUTEAMAW LT SUACT_3)&(SUTEAMAW GT SUACT_2)) SUACT_3 = SUTEAMAW.
IF ((BUSPLNAW LT SUACT_3)&(BUSPLNAW GT SUACT_2)) SUACT_3 = BUSPLNAW.
*.
*.
DESCRIPTIVES VAR SUACT_3.
*.
MISSING VALUES SUACT_3 (999997).
*.
COMPUTE      SUACT_4 = 999996.
VARIABLE LABEL
    SUACT_4      'FOURTH ACT IN START-UP SEQUENCE'.
*.
IF ((DANDB_AW LT SUACT_4)&(DANDB_AW GT SUACT_3)) SUACT_4 = DANDB_AW.
IF ((FEDTAXAW LT SUACT_4)&(FEDTAXAW GT SUACT_3)) SUACT_4 = FEDTAXAW.
IF ((FICA__AW LT SUACT_4)&(FICA__AW GT SUACT_3)) SUACT_4 = FICA__AW.
IF ((UNEMP_AW LT SUACT_4)&(UNEMP_AW GT SUACT_3)) SUACT_4 = UNEMP_AW.
IF ((PHLINEAW LT SUACT_4)&(PHLINEAW GT SUACT_3)) SUACT_4 = PHLINEAW.
*.
IF ((PHLISTAW LT SUACT_4)&(PHLISTAW GT SUACT_3)) SUACT_4 = PHLISTAW.
IF ((CLASS_AW LT SUACT_4)&(CLASS_AW GT SUACT_3)) SUACT_4 = CLASS_AW.
IF ((SALES_AW LT SUACT_4)&(SALES_AW GT SUACT_3)) SUACT_4 = SALES_AW.
IF ((BKACCTAW LT SUACT_4)&(BKACCTAW GT SUACT_3)) SUACT_4 = BKACCTAW.
IF ((HIRE__AW LT SUACT_4)&(HIRE__AW GT SUACT_3)) SUACT_4 = HIRE__AW.
*.
IF ((FULLTMAW LT SUACT_4)&(FULLTMAW GT SUACT_3)) SUACT_4 = FULLTMAW.
IF ((CLDCARAW LT SUACT_4)&(CLDCARAW GT SUACT_3)) SUACT_4 = CLDCARAW.
IF ((SUPCRDAW LT SUACT_4)&(SUPCRDAW GT SUACT_3)) SUACT_4 = SUPCRDAW.
IF ((ASKFNDAW LT SUACT_4)&(ASKFNDAW GT SUACT_3)) SUACT_4 = ASKFNDAW.
IF ((INVMONAW LT SUACT_4)&(INVMONAW GT SUACT_3)) SUACT_4 = INVMONAW.
*.
IF ((SAVMONAW LT SUACT_4)&(SAVMONAW GT SUACT_3)) SUACT_4 = SAVMONAW.
IF ((FINPRJAW LT SUACT_4)&(FINPRJAW GT SUACT_3)) SUACT_4 = FINPRJAW.
IF ((DFNMKTAW LT SUACT_4)&(DFNMKTAW GT SUACT_3)) SUACT_4 = DFNMKTAW.
IF ((LEASE_AW LT SUACT_4)&(LEASE_AW GT SUACT_3)) SUACT_4 = LEASE_AW.
IF ((PURCHAAW LT SUACT_4)&(PURCHAAW GT SUACT_3)) SUACT_4 = PURCHAAW.
*.
IF ((PATENTAW LT SUACT_4)&(PATENTAW GT SUACT_3)) SUACT_4 = PATENTAW.
IF ((PROMOTAW LT SUACT_4)&(PROMOTAW GT SUACT_3)) SUACT_4 = PROMOTAW.
IF ((MODEL_AW LT SUACT_4)&(MODEL_AW GT SUACT_3)) SUACT_4 = MODEL_AW.
IF ((SUTEAMAW LT SUACT_4)&(SUTEAMAW GT SUACT_3)) SUACT_4 = SUTEAMAW.
IF ((BUSPLNAW LT SUACT_4)&(BUSPLNAW GT SUACT_3)) SUACT_4 = BUSPLNAW.
*.
*.
DESCRIPTIVES VAR SUACT_4.
*.
MISSING VALUES SUACT_4 (999996).
*.
FREQ VAR SUACT_4/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.
*.
COMPUTE      SUACT_5 = 999995.

```

VARIABLE LABEL

SUACT_5 'FIFTH ACT IN START-UP SEQUENCE'.

.*

IF ((DANDB_AW LT SUACT_5)&(DANDB_AW GT SUACT_4)) SUACT_5 = DANDB_AW.
 IF ((FEDTAXAW LT SUACT_5)&(FEDTAXAW GT SUACT_4)) SUACT_5 = FEDTAXAW.
 IF ((FICA__AW LT SUACT_5)&(FICA__AW GT SUACT_4)) SUACT_5 = FICA__AW.
 IF ((UNEMP_AW LT SUACT_5)&(UNEMP_AW GT SUACT_4)) SUACT_5 = UNEMP_AW.
 IF ((PHLINEAW LT SUACT_5)&(PHLINEAW GT SUACT_4)) SUACT_5 = PHLINEAW.

.*

IF ((PHLISTAW LT SUACT_5)&(PHLISTAW GT SUACT_4)) SUACT_5 = PHLISTAW.
 IF ((CLASS_AW LT SUACT_5)&(CLASS_AW GT SUACT_4)) SUACT_5 = CLASS_AW.
 IF ((SALES_AW LT SUACT_5)&(SALES_AW GT SUACT_4)) SUACT_5 = SALES_AW.
 IF ((BKACCTAW LT SUACT_5)&(BKACCTAW GT SUACT_4)) SUACT_5 = BKACCTAW.
 IF ((HIRE__AW LT SUACT_5)&(HIRE__AW GT SUACT_4)) SUACT_5 = HIRE__AW.

.*

IF ((FULLTMAW LT SUACT_5)&(FULLTMAW GT SUACT_4)) SUACT_5 = FULLTMAW.
 IF ((CLDCARAW LT SUACT_5)&(CLDCARAW GT SUACT_4)) SUACT_5 = CLDCARAW.
 IF ((SUPCRDAW LT SUACT_5)&(SUPCRDAW GT SUACT_4)) SUACT_5 = SUPCRDAW.
 IF ((ASKFNDAW LT SUACT_5)&(ASKFNDAW GT SUACT_4)) SUACT_5 = ASKFNDAW.
 IF ((INVMONAW LT SUACT_5)&(INVMONAW GT SUACT_4)) SUACT_5 = INVMONAW.

.*

IF ((SAVMONAW LT SUACT_5)&(SAVMONAW GT SUACT_4)) SUACT_5 = SAVMONAW.
 IF ((FINPRJAW LT SUACT_5)&(FINPRJAW GT SUACT_4)) SUACT_5 = FINPRJAW.
 IF ((DFNMKTAW LT SUACT_5)&(DFNMKTAW GT SUACT_4)) SUACT_5 = DFNMKTAW.
 IF ((LEASE_AW LT SUACT_5)&(LEASE_AW GT SUACT_4)) SUACT_5 = LEASE_AW.
 IF ((PURCHAAW LT SUACT_5)&(PURCHAAW GT SUACT_4)) SUACT_5 = PURCHAAW.

.*

IF ((PATENTAW LT SUACT_5)&(PATENTAW GT SUACT_4)) SUACT_5 = PATENTAW.
 IF ((PROMOTAW LT SUACT_5)&(PROMOTAW GT SUACT_4)) SUACT_5 = PROMOTAW.
 IF ((MODEL_AW LT SUACT_5)&(MODEL_AW GT SUACT_4)) SUACT_5 = MODEL_AW.
 IF ((SUTEAMAW LT SUACT_5)&(SUTEAMAW GT SUACT_4)) SUACT_5 = SUTEAMAW.
 IF ((BUSPLNAW LT SUACT_5)&(BUSPLNAW GT SUACT_4)) SUACT_5 = BUSPLNAW.

.*

.*

DESCRIPTIVES VAR SUACT_5.

.*

MISSING VALUES SUACT_5 (999995).

.*

FREQ VAR SUACT_5/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.

.*

COMPUTE SUACT_6 = 999994.

VARIABLE LABEL

SUACT_6 'SIXTH ACT IN START-UP SEQUENCE'.

.*

IF ((DANDB_AW LT SUACT_6)&(DANDB_AW GT SUACT_5)) SUACT_6 = DANDB_AW.
 IF ((FEDTAXAW LT SUACT_6)&(FEDTAXAW GT SUACT_5)) SUACT_6 = FEDTAXAW.
 IF ((FICA__AW LT SUACT_6)&(FICA__AW GT SUACT_5)) SUACT_6 = FICA__AW.
 IF ((UNEMP_AW LT SUACT_6)&(UNEMP_AW GT SUACT_5)) SUACT_6 = UNEMP_AW.
 IF ((PHLINEAW LT SUACT_6)&(PHLINEAW GT SUACT_5)) SUACT_6 = PHLINEAW.

.*

IF ((PHLISTAW LT SUACT_6)&(PHLISTAW GT SUACT_5)) SUACT_6 = PHLISTAW.
 IF ((CLASS_AW LT SUACT_6)&(CLASS_AW GT SUACT_5)) SUACT_6 = CLASS_AW.
 IF ((SALES_AW LT SUACT_6)&(SALES_AW GT SUACT_5)) SUACT_6 = SALES_AW.
 IF ((BKACCTAW LT SUACT_6)&(BKACCTAW GT SUACT_5)) SUACT_6 = BKACCTAW.

```

IF ((HIRE__AW LT SUACT_6)&(HIRE__AW GT SUACT_5)) SUACT_6 = HIRE__AW.
*.
IF ((FULLTMAW LT SUACT_6)&(FULLTMAW GT SUACT_5)) SUACT_6 = FULLTMAW.
IF ((CLDCARAW LT SUACT_6)&(CLDCARAW GT SUACT_5)) SUACT_6 = CLDCARAW.
IF ((SUPCRDAW LT SUACT_6)&(SUPCRDAW GT SUACT_5)) SUACT_6 = SUPCRDAW.
IF ((ASKFNDAW LT SUACT_6)&(ASKFNDAW GT SUACT_5)) SUACT_6 = ASKFNDAW.
IF ((INVMONAW LT SUACT_6)&(INVMONAW GT SUACT_5)) SUACT_6 = INVMONAW.
*.
IF ((SAVMONAW LT SUACT_6)&(SAVMONAW GT SUACT_5)) SUACT_6 = SAVMONAW.
IF ((FINPRJAW LT SUACT_6)&(FINPRJAW GT SUACT_5)) SUACT_6 = FINPRJAW.
IF ((DFNMKTAW LT SUACT_6)&(DFNMKTAW GT SUACT_5)) SUACT_6 = DFNMKTAW.
IF ((LEASE__AW LT SUACT_6)&(LEASE__AW GT SUACT_5)) SUACT_6 = LEASE__AW.
IF ((PURCHAAW LT SUACT_6)&(PURCHAAW GT SUACT_5)) SUACT_6 = PURCHAAW.
*.
IF ((PATENTAW LT SUACT_6)&(PATENTAW GT SUACT_5)) SUACT_6 = PATENTAW.
IF ((PROMOTAW LT SUACT_6)&(PROMOTAW GT SUACT_5)) SUACT_6 = PROMOTAW.
IF ((MODEL__AW LT SUACT_6)&(MODEL__AW GT SUACT_5)) SUACT_6 = MODEL__AW.
IF ((SUTEAMAW LT SUACT_6)&(SUTEAMAW GT SUACT_5)) SUACT_6 = SUTEAMAW.
IF ((BUSPLNAW LT SUACT_6)&(BUSPLNAW GT SUACT_5)) SUACT_6 = BUSPLNAW.
*.
*.
DESCRIPTIVES VAR SUACT_6.
*.
MISSING VALUES SUACT_6 (999994).
*.
FREQ VAR SUACT_6/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.
*.
COMPUTE      SUACT_7 = 999993.
VARIABLE LABEL
      SUACT_7      'SEVENTH ACT IN START-UP SEQUENCE'.
*.
IF ((DANDB__AW LT SUACT_7)&(DANDB__AW GT SUACT_6)) SUACT_7 = DANDB__AW.
IF ((FEDTAXAW LT SUACT_7)&(FEDTAXAW GT SUACT_6)) SUACT_7 = FEDTAXAW.
IF ((FICA__AW LT SUACT_7)&(FICA__AW GT SUACT_6)) SUACT_7 = FICA__AW.
IF ((UNEMP__AW LT SUACT_7)&(UNEMP__AW GT SUACT_6)) SUACT_7 = UNEMP__AW.
IF ((PHLINEAW LT SUACT_7)&(PHLINEAW GT SUACT_6)) SUACT_7 = PHLINEAW.
*.
IF ((PHLISTAW LT SUACT_7)&(PHLISTAW GT SUACT_6)) SUACT_7 = PHLISTAW.
IF ((CLASS__AW LT SUACT_7)&(CLASS__AW GT SUACT_6)) SUACT_7 = CLASS__AW.
IF ((SALES__AW LT SUACT_7)&(SALES__AW GT SUACT_6)) SUACT_7 = SALES__AW.
IF ((BKACCTAW LT SUACT_7)&(BKACCTAW GT SUACT_6)) SUACT_7 = BKACCTAW.
IF ((HIRE__AW LT SUACT_7)&(HIRE__AW GT SUACT_6)) SUACT_7 = HIRE__AW.
*.
IF ((FULLTMAW LT SUACT_7)&(FULLTMAW GT SUACT_6)) SUACT_7 = FULLTMAW.
IF ((CLDCARAW LT SUACT_7)&(CLDCARAW GT SUACT_6)) SUACT_7 = CLDCARAW.
IF ((SUPCRDAW LT SUACT_7)&(SUPCRDAW GT SUACT_6)) SUACT_7 = SUPCRDAW.
IF ((ASKFNDAW LT SUACT_7)&(ASKFNDAW GT SUACT_6)) SUACT_7 = ASKFNDAW.
IF ((INVMONAW LT SUACT_7)&(INVMONAW GT SUACT_6)) SUACT_7 = INVMONAW.
*.
IF ((SAVMONAW LT SUACT_7)&(SAVMONAW GT SUACT_6)) SUACT_7 = SAVMONAW.
IF ((FINPRJAW LT SUACT_7)&(FINPRJAW GT SUACT_6)) SUACT_7 = FINPRJAW.
IF ((DFNMKTAW LT SUACT_7)&(DFNMKTAW GT SUACT_6)) SUACT_7 = DFNMKTAW.
IF ((LEASE__AW LT SUACT_7)&(LEASE__AW GT SUACT_6)) SUACT_7 = LEASE__AW.
IF ((PURCHAAW LT SUACT_7)&(PURCHAAW GT SUACT_6)) SUACT_7 = PURCHAAW.

```

```

*.
IF ((PATENTAW LT SUACT_7)&(PATENTAW GT SUACT_6)) SUACT_7 = PATENTAW.
IF ((PROMOTAW LT SUACT_7)&(PROMOTAW GT SUACT_6)) SUACT_7 = PROMOTAW.
IF ((MODEL_AW LT SUACT_7)&(MODEL_AW GT SUACT_6)) SUACT_7 = MODEL_AW.
IF ((SUTEAMAW LT SUACT_7)&(SUTEAMAW GT SUACT_6)) SUACT_7 = SUTEAMAW.
IF ((BUSPLNAW LT SUACT_7)&(BUSPLNAW GT SUACT_6)) SUACT_7 = BUSPLNAW.
*.
*.
DESCRIPTIVES VAR SUACT_7.
*.
MISSING VALUES SUACT_7 (999993).
*.
FREQ VAR SUACT_7/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.
*.
COMPUTE      SUACT_8 = 999992.
VARIABLE LABEL
      SUACT_8      'EIGHTH ACT IN START-UP SEQUENCE'.
*.
IF ((DANDB_AW LT SUACT_8)&(DANDB_AW GT SUACT_7)) SUACT_8 = DANDB_AW.
IF ((FEDTAXAW LT SUACT_8)&(FEDTAXAW GT SUACT_7)) SUACT_8 = FEDTAXAW.
IF ((FICA__AW LT SUACT_8)&(FICA__AW GT SUACT_7)) SUACT_8 = FICA__AW.
IF ((UNEMP_AW LT SUACT_8)&(UNEMP_AW GT SUACT_7)) SUACT_8 = UNEMP_AW.
IF ((PHLINEAW LT SUACT_8)&(PHLINEAW GT SUACT_7)) SUACT_8 = PHLINEAW.
*.
IF ((PHLISTAW LT SUACT_8)&(PHLISTAW GT SUACT_7)) SUACT_8 = PHLISTAW.
IF ((CLASS_AW LT SUACT_8)&(CLASS_AW GT SUACT_7)) SUACT_8 = CLASS_AW.
IF ((SALES_AW LT SUACT_8)&(SALES_AW GT SUACT_7)) SUACT_8 = SALES_AW.
IF ((BKACCTAW LT SUACT_8)&(BKACCTAW GT SUACT_7)) SUACT_8 = BKACCTAW.
IF ((HIRE__AW LT SUACT_8)&(HIRE__AW GT SUACT_7)) SUACT_8 = HIRE__AW.
*.
IF ((FULLTMAW LT SUACT_8)&(FULLTMAW GT SUACT_7)) SUACT_8 = FULLTMAW.
IF ((CLDCARAW LT SUACT_8)&(CLDCARAW GT SUACT_7)) SUACT_8 = CLDCARAW.
IF ((SUPCRDAW LT SUACT_8)&(SUPCRDAW GT SUACT_7)) SUACT_8 = SUPCRDAW.
IF ((ASKFNDAW LT SUACT_8)&(ASKFNDAW GT SUACT_7)) SUACT_8 = ASKFNDAW.
IF ((INVMONAW LT SUACT_8)&(INVMONAW GT SUACT_7)) SUACT_8 = INVMONAW.
*.
IF ((SAVMONAW LT SUACT_8)&(SAVMONAW GT SUACT_7)) SUACT_8 = SAVMONAW.
IF ((FINPRJAW LT SUACT_8)&(FINPRJAW GT SUACT_7)) SUACT_8 = FINPRJAW.
IF ((DFNMKTAW LT SUACT_8)&(DFNMKTAW GT SUACT_7)) SUACT_8 = DFNMKTAW.
IF ((LEASE_AW LT SUACT_8)&(LEASE_AW GT SUACT_7)) SUACT_8 = LEASE_AW.
IF ((PURCHAAW LT SUACT_8)&(PURCHAAW GT SUACT_7)) SUACT_8 = PURCHAAW.
*.
IF ((PATENTAW LT SUACT_8)&(PATENTAW GT SUACT_7)) SUACT_8 = PATENTAW.
IF ((PROMOTAW LT SUACT_8)&(PROMOTAW GT SUACT_7)) SUACT_8 = PROMOTAW.
IF ((MODEL_AW LT SUACT_8)&(MODEL_AW GT SUACT_7)) SUACT_8 = MODEL_AW.
IF ((SUTEAMAW LT SUACT_8)&(SUTEAMAW GT SUACT_7)) SUACT_8 = SUTEAMAW.
IF ((BUSPLNAW LT SUACT_8)&(BUSPLNAW GT SUACT_7)) SUACT_8 = BUSPLNAW.
*.
*.
DESCRIPTIVES VAR SUACT_8.
*.
MISSING VALUES SUACT_8 (999992).
*.
FREQ VAR SUACT_8/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.

```


*.
 COMPUTE SUACT_12 = ((SUACT_2 - SUACT_1)/30.4375).
 COMPUTE SUACT_13 = ((SUACT_3 - SUACT_1)/30.4375).
 COMPUTE SUACT_14 = ((SUACT_4 - SUACT_1)/30.4375).
 COMPUTE SUACT_15 = ((SUACT_5 - SUACT_1)/30.4375).
 COMPUTE SUACT_16 = ((SUACT_6 - SUACT_1)/30.4375).
 COMPUTE SUACT_17 = ((SUACT_7 - SUACT_1)/30.4375).
 COMPUTE SUACT_18 = ((SUACT_8 - SUACT_1)/30.4375).

*.
 COMPUTE SUACT_23 = ((SUACT_3 - SUACT_2)/30.4375).
 COMPUTE SUACT_24 = ((SUACT_4 - SUACT_2)/30.4375).
 COMPUTE SUACT_25 = ((SUACT_5 - SUACT_2)/30.4375).
 COMPUTE SUACT_26 = ((SUACT_6 - SUACT_2)/30.4375).
 COMPUTE SUACT_27 = ((SUACT_7 - SUACT_2)/30.4375).
 COMPUTE SUACT_28 = ((SUACT_8 - SUACT_2)/30.4375).

*.
 COMPUTE SUACT_34 = ((SUACT_4 - SUACT_3)/30.4375).
 COMPUTE SUACT_35 = ((SUACT_5 - SUACT_3)/30.4375).
 COMPUTE SUACT_36 = ((SUACT_6 - SUACT_3)/30.4375).
 COMPUTE SUACT_37 = ((SUACT_7 - SUACT_3)/30.4375).
 COMPUTE SUACT_38 = ((SUACT_8 - SUACT_3)/30.4375).

*.
 COMPUTE SUACT_45 = ((SUACT_5 - SUACT_4)/30.4375).
 COMPUTE SUACT_46 = ((SUACT_6 - SUACT_4)/30.4375).
 COMPUTE SUACT_47 = ((SUACT_7 - SUACT_4)/30.4375).
 COMPUTE SUACT_48 = ((SUACT_8 - SUACT_4)/30.4375).

*.
 COMPUTE SUACT_56 = ((SUACT_6 - SUACT_5)/30.4375).
 COMPUTE SUACT_57 = ((SUACT_7 - SUACT_5)/30.4375).
 COMPUTE SUACT_58 = ((SUACT_8 - SUACT_5)/30.4375).

*.
 COMPUTE SUACT_67 = ((SUACT_7 - SUACT_6)/30.4375).
 COMPUTE SUACT_68 = ((SUACT_8 - SUACT_6)/30.4375).

*.
 COMPUTE SUACT_78 = ((SUACT_8 - SUACT_7)/30.4375).

*.

VARIABLE LABEL

SUACT_12 'MONTHS:1ST TO 2ND START UP ACT'/
 SUACT_13 'MONTHS:1ST TO 3RD START UP ACT'/
 SUACT_14 'MONTHS:1ST TO 4TH START UP ACT'/
 SUACT_15 'MONTHS:1ST TO 5TH START UP ACT'/
 SUACT_16 'MONTHS:1ST TO 6TH START UP ACT'/
 SUACT_17 'MONTHS:1ST TO 7TH START UP ACT'/
 SUACT_18 'MONTHS:1ST TO 8TH START UP ACT'/
 SUACT_23 'MONTHS:2ND TO 3RD START UP ACT'/
 SUACT_24 'MONTHS:2ND TO 4TH START UP ACT'/
 SUACT_25 'MONTHS:2ND TO 5TH START UP ACT'/
 SUACT_26 'MONTHS:2ND TO 6TH START UP ACT'/
 SUACT_27 'MONTHS:2ND TO 7TH START UP ACT'/
 SUACT_28 'MONTHS:2ND TO 8TH START UP ACT'/
 SUACT_34 'MONTHS:3RD TO 4TH START UP ACT'/
 SUACT_35 'MONTHS:3RD TO 5TH START UP ACT'/
 SUACT_36 'MONTHS:3RD TO 6TH START UP ACT'/
 SUACT_37 'MONTHS:3RD TO 7TH START UP ACT'/

```

SUACT_38 'MONTHS:3RD TO 8TH START UP ACT'/
SUACT_45 'MONTHS:4TH TO 5TH START UP ACT'/
SUACT_46 'MONTHS:4TH TO 6TH START UP ACT'/
SUACT_47 'MONTHS:4TH TO 5TH START UP ACT'/
SUACT_48 'MONTHS:4TH TO 6TH START UP ACT'/
SUACT_56 'MONTHS:5TH TO 6TH START UP ACT'/
SUACT_57 'MONTHS:5TH TO 7TH START UP ACT'/
SUACT_58 'MONTHS:5TH TO 8TH START UP ACT'/
SUACT_67 'MONTHS:6TH TO 7TH START UP ACT'/
SUACT_68 'MONTHS:6TH TO 8TH START UP ACT'/
SUACT_78 'MONTHS:7TH TO 8TH START UP ACT'.
*.
DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3 SUACT_4 SUACT_5 SUACT_6
SUACT_7 SUACT_8
SUACT_12 TO SUACT_78.
*.
*FREQ VAR SUACT_12 TO SUACT_56/
FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.
*.
COMPUTE LFECOUR = ((LS_DATE - SUACT_1)/30.4375).
FORMAT LFECOUR (F6.2).
VARIABLE LABEL
LFECOUR 'HISTORY:1ST EVENT--LAST PHONE ITRW'.
*.
FREQ VAR LFECOUR/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.
*.
=====
*.
* COMPUTE STANDARDIZED TIME MARKERS: POSITVE CASH FLOW EVENT.
*.
=====
*.
MISSING VALUES R624A S624A T624A (99).
*.
IF (R624A = 13) R624A = 2.
IF (R624A = 14) R624A = 5.
IF (R624A = 15) R624A = 8.
IF (R624A = 16) R624A = 11.
IF ((MISSING(R624) NE 1)&(MISSING(R624A) = 1)) R624A = 6.
*.
IF (S624A = 13) S624A = 2.
IF (S624A = 14) S624A = 5.
IF (S624A = 15) S624A = 8.
IF (S624A = 16) S624A = 11.
IF ((MISSING(S624) NE 1)&(MISSING(S624A) = 1)) S624A = 6.
*.
IF (T624A = 13) T624A = 2.
IF (T624A = 14) T624A = 5.
IF (T624A = 15) T624A = 8.
IF (T624A = 16) T624A = 11.
IF ((MISSING(T624) NE 1)&(MISSING(T624A) = 1)) T624A = 6.
*.
MISSING VALUES R624 S624 T624 (9999).
*.

```

```

COMPUTE CSFL_MYR      = (YRMODA(R624,R624A,15)).
COMPUTE CSFL_MYS      = (YRMODA(S624,S624A,15)).
COMPUTE CSFL_MYT      = (YRMODA(T624,T624A,15)).
*.
COMPUTE CSFL_MY = CSFL_MYR.
IF  (SYSMIS(CSFL_MY) = 1) CSFL_MY = CSFL_MYS.
IF  (SYSMIS(CSFL_MY) = 1) CSFL_MY = CSFL_MYT.
*.
VARIABLE LABELS
  CSFL_MYR      'DATE POS MTH CASH FLOW W/SALAR:2ND WAVE'/
  CSFL_MYS      'DATE POS MTH CASH FLOW W/SALAR:3RD WAVE'/
  CSFL_MYT      'DATE POS MTH CASH FLOW W/SALAR:4TH WAVE'/
  CSFL_MY       'DATE POS MTH CASH FLOW W/SALAR:OVERALL'.
*.
SORT CASES BY CSHFL_AW (A).
*LIST RESPID CSHFL_AW CSHFL_D1 CSHFL_D2 CSHFL_D3 CSHFL_D4
  CSFL_MYR CSFL_MYS CSFL_MYT CSFL_MY.
*FINISH.
*=====
*
*   USE POSITIVE CASH FLOW TO CREATE NEW MEASURE OF OUTCOME.
*
*=====
*.
COMPUTE CSFL_OB = 0.
IF  (SYSMIS(CSFL_MY) NE 1) CSFL_OB = 1.
*.
VARIABLE LABELS
  CSFL_OB      'OPERAT BUSS BASED ON CASH FLOW CRITERIA'.
*.
VALUE LABELS CSFL_OB
  0  'NOT OPERAT BUSS'
  1  'OPERAT BUSS'.
*.
COMPUTE OUTCOME2 = 9.
*.
IF  ((OUTCOME = 1) & (CSFL_OB = 0)) OUTCOME2 = 2.
IF  ((OUTCOME = 1) & (CSFL_OB = 1)) OUTCOME2 = 1.
IF  ((OUTCOME = 2) & (CSFL_OB = 0)) OUTCOME2 = 2.
IF  ((OUTCOME = 2) & (CSFL_OB = 1)) OUTCOME2 = 1.
IF  ((OUTCOME = 3) & (CSFL_OB = 0)) OUTCOME2 = 3.
IF  ((OUTCOME = 3) & (CSFL_OB = 1)) OUTCOME2 = 3.
IF  ((OUTCOME = 4) & (CSFL_OB = 0)) OUTCOME2 = 4.
IF  ((OUTCOME = 4) & (CSFL_OB = 1)) OUTCOME2 = 4.
*.
VARIABLE LABEL
  OUTCOME2     "OUTCOME STATUS:R'S REPORT & CASH FLOW".
*.
VALUE LABEL  OUTCOME2
  1  'OPERATING BUSS'
  2  'ACTIVE START-UP'
  3  'INACTIVE START-UP'
  4  'NO LONGER WORKED ON'
  9  'DK/MISSING'.

```

```

FREQ VAR OUTCOME2/STAT ALL.
*.
CROSSTABS TABLE = OUTCOME BY OUTCOME2/CELL ROW COL TOT.
MISSING VALUE OUTCOME OUTCOME2 (9).
CROSSTABS TABLE = OUTCOME BY OUTCOME2/CELL ROW COL TOT.
MISSING VALUE OUTCOME OUTCOME2 (.).
*.
*SORT BY CSFL_MYR (A) CSFL_MYS (A) CSFL_MYT (A).
*LIST RESPID RTYPE CSFL_OB CSFL_MY CSFL_MYR CSFL_MYS CSFL_MYT.
*.
CROSSTABS TABLE
  OUTCOME BY CSFL_OB/CELL COUNT ROW COL TOT.
*.
*MODIFY VARS/REORDER = POSITIONAL
  (RESPID RTYPE
  SCREENDA SCREENMT SCREENYR
  PHDAY PHMTH PHYR
  PHDAY2 PHMTH2 PHYR2
  PHDAY3 PHMTH3 PHYR3
  PHDAY4 PHMTH4 PHYR4
  TL_MTHS SC_DATE W1_DATE W2_DATE W3_DATE W4_DATE LS_DATE
  RQT_MYAW RGB_MYAW CSFL_MY RIASU_AW RACSU_AW).
*.
FORMAT PHDAY PHMTH PHYR
  PHDAY2 PHMTH2 PHYR2
  PHDAY3 PHMTH3 PHYR3
  PHDAY4 PHMTH4 PHYR4
  SC_DATE W1_DATE W2_DATE W3_DATE W4_DATE LS_DATE
  RQT_MYR RQT_MYS RQT_MYT
  RGB_MYR RGB_MYS RGB_MYT
  CSFL_MYR CSFL_MYS CSFL_MYT
  RQT_MYAW RGB_MYAW CSFL_MY RIASU_AW RACSU_AW (F7.0).
*.
*DESCRIPTIVES ALL.
*.
SORT CASES BY RESPID (A).
*.
SAVE  OUTFILE = 'C:\PSED_I\WAVE_T\SPSS_SAV\ACTS_T03.SAV'.
EXPORT OUTFILE = 'C:\PSED_I\WAVE_T\SPSS_OUT\ACTS_T03.POR'.
*.
*_26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11.
*_26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11__26JUL11.
*.

```

TITLE 'C:\PSED_I\WAVE_T\SPSS_PRO\ACTS_T04.SPS'.
SUBTITLE 'LOCATE PSED I CONCEPTION DATE USING ALL ACTS'.

*.
* SPSS 15 SYNTAX REVISED FROM SPSS PC SYNTAX.

*.
*=====
SET HEADER = YES
/ERRORS = LISTING
/RESULTS = LISTING
/PRINTBACK = LISTING
/MESSAGES = LISTING
/ONUMBERS = BOTH
/OVARS = BOTH
/TNUMBERS = BOTH
/TVARS = BOTH
/TFIT = LABELS.

*.
SHOW.
*.
* SPSS-PC COMMAND STATEMENTS.

*.
*=====
* USE STANDARDIZED PROCEDURE FOR PSED I, PSED II START-UP ACTS .
* TO CREATE A CONCEPTION DATE USING ALL PSED II ACTS .
*.
* TAKE PSED I ACTS FILE AND ADJUST ALL VARIABLE NAMES TO MATCH.
* PSED II DATA FILES.

*.
* RECOMPUTE OUTCOME AND CASEKEEP VARIABLES TO MATCH PSED II.
* TRANSFORMATIONS.

*.
* COMPUTE TWO GOODCASE IDENTIFIERS.
* ONE FOR NASCENT ENTRE ASSESSMENTS.
* THE SECOND FOR ASSESSMENTS INVOLVING ANY FOLLOW-UP DATA.

*.
*=====
* GET FILE= 'C:\PSED_I\WAVE_T\SPSS_SAV\ACTS_T03.SAV'.
*.
*=====
*.

WEIGHT OFF.
*.
*=====
*=====
*.

*.
* DEVELOP CASEKEEP VARIABLE, START WITH IDENTIFYING ALL CASES WITH.
* POSITIVE MONTHLY CASH FLOW IN ANY PERIODS OVER SIX MONTHS PRIOR.
* TO THE INITIAL DETAILED PHONE INTERVIEW .
*.
* THIS IS CONSISTENT WITH THE PSED II SCREENING, WHICH EXCLUDED CASES.

* WITH POSITIVE MONTHLY CASH FLOW FOR MORE THAN 6 OF 12 MONTHS PRIOR.
* TO THE SCREENING INTERVIEW.

*.
* CASEK_2C IS CASEKEEP FOR PSED I BASED ON WAVES Q, R, S, & T.
* CASEK_2C IS CASEKEEP FOR PSED II BASED ON WAVES A, B, C, D, E & F.

*=====

*.
DESC VAR = SC_DATE W1_DATE W2_DATE W3_DATE W4_DATE LS_DATE
RQT_MYR RQT_MYS RQT_MYT
RGB_MYR RGB_MYS RGB_MYT
CSFL_MYR CSFL_MYS CSFL_MYT
RQT_MYAW RGB_MYAW CSFL_MY RIASU_AW RACSU_AW
SUACT_1 SUACT_2 SUACT_3 SUACT_4 SUACT_5 SUACT_6
SUACT_7 SUACT_8
SUACT_12 TO SUACT_78
DANDB_AW FEDTAXAW FICA__AW UNEMP_AW PHLINEAW
PHLISTAW CLASS_AW
CSHFL_AW SALES_AW BKACCTAW HIRE__AW
FULLTMAW CLDCARAW SUPCRDAW ASKFNDAW INVMONAW
SAVMONAW FINPRJAW DFNMKTAW LEASE_AW PURCHAAW
PATENTAW PROMOTAW MODEL_AW SUTEAMAW BUSPLNAW
THINK_AW.

*.
COMPUTE PROJECT = 1999.
VARIABLE LABEL
PROJECT 'IDENTIFY FPROJECT: 1999 = PSEDI, 2005 = PSEDII'.
VALUE LABELS PROJECT
1999 'PSED I'
2055 'PSED II'.

*.
FREQ VAR PROJECT.

*=====

*.
* FOR PSED I, USE POSITIVE CASH FLOW PRIOR TO THE WAVE Q.
* FIRST DETAILED INTERVIEW ONLY TO EXCLUDE CASES IN PROFIT.

*=====

*.
DESC VAR CSHFL_D1 SC_DATE.

*.
COMPUTE CSH_SLA1 = ((CSHFL_D1 - SC_DATE)/30.4375).

*.
VARIABLE LABELS
CSH_SLA1 'MTHS: SCREEN - POSITIVE CASH FLOW; Q ONLY'.

*.
DESC VAR CSH_SLA1.
FREQ VAR CSH_SLA1/ORDER VARIABLES.

*.
SORT CASES BY CSH_SLA1 (A).
TEMPORARY.
SELECT IF (MISSING(CSH_SLA1) NE 1).

LIST RESPID CSH_SLA1 CSHFL_D1 SC_DATE.
EXECUTE.

```
*.  
*=====.  
*  
* DROP CASES WITH POSITIVE MONTHLY CASH FLOW MORE THAN 2.5 MONTHS.  
* BEFORE SCREEN.  
* REFLECTS SCREEN CRITERIA AND ISSUES WITH DIVERSITY IN.  
* FIRM BIRTH CRITERIA.  
*  
* DEFINED CASEKEEP FOR PSED I BASED ON WAVES Q, R, S, AND T.  
*  
*=====.
```

```
*.  
COMPUTE CASEK_2C = 0.  
*.  
IF (CSH_SLA1 LE (-2.00)) CASEK_2C = 90.  
VARIABLE LABEL  
CASEK_2C 'CASES QUALIFYING AS ACTIVE NASCENT ENTRE'.  
*.  
VALUE LABELS CASEK_2C  
0 'GOOD CASE'  
90 'CASH FLOW 2 MTH B4 SCRN'.  
*.
```

```
FREQ VAR CASEK_2C/STAT ALL.  
WEIGHT OFF.  
*.  
TEMPORARY.  
SELECT IF (CASEK_2C GE 90).  
FREQ VAR CSH_SLA1/STAT ALL.
```

```
*.  
*=====.  
*  
* CRITERIA FOR INITIAL CONCEPTION POINT .  
*  
*=====.
```

```
*.  
COMPUTE CPT_MY = 9999999.  
VARIABLE LABEL  
CPT_MY 'CONCEPT MTH,YR:BASED ON 2 ACT W/N 12 MTHS'.  
*.  
FORMAT CPT_MY (F7.0).  
*.  
IF (SUACT_12 LE 12.00) CPT_MY = SUACT_1.  
*.  
IF ((SUACT_12 GT 12.00)&(SUACT_23 LE 12.00)) CPT_MY = SUACT_2.  
*.  
IF ((SUACT_12 GT 12.00)&(SUACT_23 GT 12.00)&  
(SUACT_34 LT 12.00)) CPT_MY = SUACT_3.  
*.  
IF ((SUACT_12 GT 12.00)&(SUACT_23 GT 12.00)&  
(SUACT_34 GT 12.00)&(SUACT_45 LE 12.00)) CPT_MY = SUACT_4.  
*.
```

```

IF ((SUACT_12 GT 12.00)&(SUACT_23 GT 12.00)&
(SUACT_34 GT 12.00)&(SUACT_45 GT 12.00)&
(SUACT_56 LT 12.00))          CPT_MY = SUACT_5.
*.
IF ((SUACT_12 GT 12.00)&(SUACT_23 GT 12.00)&
(SUACT_34 GT 12.00)&(SUACT_45 GT 12.00)&
(SUACT_56 GT 12.00)&(SUACT_67 LE 12.00))  CPT_MY = SUACT_6.
*.
IF ((SUACT_12 GT 12.00)&(SUACT_23 GT 12.00)&
(SUACT_34 GT 12.00)&(SUACT_45 GT 12.00)&
(SUACT_56 GT 12.00)&(SUACT_67 LE 12.00)&
(SUACT_78 LE 12.00))          CPT_MY = SUACT_7.
*.
*.
MISSING VALUES CPT_MY (9999999).
*.
COMPUTE CPT_ALAG = ((CPT_MY - W1_DATE)/30.4375).
VARIABLE LABELS
    CPT_ALAG 'MTHS LAG: CONCEPTION TO WAVE Q INTERVIEW'.
FREQ VAR CPT_ALAG/STAT ALL.
DESC VAR = CPT_MY CPT_ALAG.
FREQ VAR = CPT_ALAG/FORMAT NOTABLE/HISTOGRAM NORMAL/STAT ALL.
EXECUTE.
*.
COMPUTE CPT_ALAG = ((CPT_MY - W1_DATE)/30.4375).
*.
FORMAT CPT_MY (F7.0) CPT_ALAG (F6.2).
VARIABLE LABEL
    CPT_ALAG 'MTHS LAG, CONCEPT TO WAVE Q INTERVIEW'.
*.
COMPUTE C_CSFL_X = ((CSHFL_AW - CPT_MY)/30.4375).
COMPUTE WA_CSFLX = ((W1_DATE - CSHFL_AW)/30.4375).
*.
VARIABLE LABEL
    C_CSFL_X 'MTHS:CONCEPTION TO POS MTH CASH FLOW'/
    WA_CSFLX 'MTHS:POS MTH CASH FLOW TO 1ST, WAVE Q INT'.
*.
DESCRIPTIVES VAR = CPT_MY CPT_ALAG C_CSFL_X WA_CSFLX.
*.
FREQ VAR CPT_ALAG C_CSFL_X WA_CSFLX CASEK_2C
    /FORMAT ONEPAGE
    /HISTOGRAM NORMAL
    /STAT ALL
    /ORDER VARIABLES.
*.
EXECUTE.
*.
*=====
*.
* IDENTIFY CASES WITH LESS THAN 3 START-UP ACTS.
*.
* USE ABSENCE OF DATA ON THIRD START-UP ACT DATES.
*.
*=====

```



```

*.
DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3 SUACT_4
SUACT_5 SUACT_6 SUACT_7 SUACT_8.
*.
IF ((CASEK_2C LT 90) & (MISSING(SUACT_3) = 1)) CASEK_2C = 80.
*.
ADD VALUE LABEL CASEK_2C
80 'LESS THAN 3 ACTS'.
*.
FREQ VAR CASEK_2C.
*.
DESCRIPTIVES VAR = RESPID
CPT_MY CPT_ALAG C_CSFL_X WA_CSFLX.
*.
EXECUTE.
*.
*=====
*.
* IDENTIFY CASES WHERE MORE THAN 12 MONTHS BETWEEN ANY TWO .
* START-UP EVENTS
*.
*=====
*.
FREQ VAR CPT_MY CASEK_2C/FORMAT ONEPAGE/STAT ALL.
*.
IF ((CASEK_2C LT 80)&(MISSING(CPT_MY) = 1)) CASEK_2C = 70.
*.
ADD VALUE LABELS CASEK_2C
70 '>12 MTH ACT GAP'.
*.
FREQ VAR CASEK_2C.
*.
DESCRIPTIVES VAR = RESPID.
*.
EXECUTE.
*.
*=====
*.
* IDENTIFY CASES WITH POSITIVE MONTHLY CASH FLOW BEFORE .
* CONCEPTION.
*.
*=====
*.
FREQ VAR CASEK_2C/FORMAT ONEPAGE/ORDER VARIABLES.
WEIGHT OFF.
FREQ VAR C_CSFL_X/FORMAT ONEPAGE/ORDER VARIABLES/STAT ALL.
*.
TEMPORARY.
SELECT IF (CASEK_2C LT 60).
FREQ VAR CASEK_2C C_CSFL_X/FORMAT ONEPAGE/ORDER VARIABLES/STAT ALL.
EXECUTE.
*.

```

```

IF ((CASEK_2C LT 70)&(C_CSFL_X LT (-1.5))) CASEK_2C = 60.
ADD VALUE LABEL CASEK_2C
    60 'CSH FL BF CONCEPT'.
*.
FREQ VAR CASEK_2C.
*.
DESCRIPTIVES VAR =
    CPT_MY CPT_ALAG C_CSFL_X WA_CSFLX.
*.
EXECUTE.
*.
*=====
*.
* IDENTIFY CASES WITH WAVE A TO CONCEPTION LAG IN .
* IN EXCESS OF 120 MONTHS--10 YEARS.
*.
*=====
*.
FREQ VAR CASEK_2C/FORMAT ONEPAGE/ORDER VARIABLES.
*.
TEMPORARY.
SELECT IF ((CASEK_2C LT 50) AND (CPT_ALAG LT -50)).
FREQ VAR CPT_ALAG/FORMAT ONEPAGE/ORDER VARIABLES.
*.
IF ((CASEK_2C LT 60)&(CPT_ALAG LT -120.00)) CASEK_2C = 50.
ADD VALUE LABELS CASEK_2C
    50 '1ST ACT >10 YR B4 ITR'.
FREQ VAR CASEK_2C.
*.
SORT CASES BY WA_CSFLX (D).
*.
WEIGHT OFF.
*.
FREQ VAR CASEK_2C.
*.
*=====
*.
* IDENTIFY CASES WITH NO FOLLOW-UP INTERVIEWS.
*.
*=====
*.
COMPUTE NO_WVRST = 0.
IF ((MISSING(W2_DATE)=1)&(MISSING(W3_DATE)=1)&(MISSING(W4_DATE)=1))
    NO_WVRST = 1.
VARIABLE LABEL
    NO_WVRST 'PSED I: NO FOLLOW-UP INTERVIEWS'.
*.
VALUE LABEL NO_WVRST
    0 '1+ FOLLOWUPS'
    1 'NO WV R,S,T'.
FREQ VAR NO_WVRST.
*.
*.

```

```

IF ((CASEK_2C LT 50) & (NO_WVRST = 1)) CASEK_2C = 40.
*.
ADD VALUE LABELS CASEK_2C
  40 'NO FOLLOW-UP INTERVIEWS'.
*.
FREQ VAR CASEK_2C.
*.
=====
*.
* CREATE TWO GOOD CASE VARIABLES, ONE FOR WAVE A NE ASSESSMENTS.
* THE SECOND FOR ANY FOLLOW-UP ACCESSMENTS.
*.
=====
*.
IF (CASEK_2C LT 40) GOODC_FU = 1.
IF (CASEK_2C LT 50) GOODC_NE = 1.
VARIABLE LABELS
  GOODC_FU 'CASES SUITABLE FOR ANALYSIS INVOLVING FOLLOW-UP DATE'/
  GOODC_NE 'CASES SUITABLE FOR ANALYSIS INVOLVING OF wave Q RESPONDENTS'.
*.
VALUE LABELS GOODC_FU GOODC_NE
  90 'PROFITS B4 SCREEN'
  80 'LESS THAN 3 ACTS'
  70 'ACT GAP GT 12 MTHS'
  60 'CSH FL 2 MTHS B4 CONCEPT'
  50 'CONCEPT > 10 YRS B4 1ST IW'
  40 'NO FOLLOW-UP INTERVIEWS'.
*.
DESC VAR CASEK_2C GOODC_FU GOODC_NE.
FREQ VAR = CASEK_2C GOODC_FU GOODC_NE.
*.
=====
*.
* COMPUTE WEIGHT FOR GOODCASES BASED ON WAVE Q WEIGHTS.
*.
=====
*.
DESCRIPTIVE VAR WTW1 WTW2 WTW3 WTW4.
*.
IF (GOODC_NE = 1) WT_GD_NE = WTW1.
IF (GOODC_FU = 1) WT_GD_FU = WTW1.
*.
VARIABLE LABEL
  WT_GD_NE 'PSEDI:WT RE-CENTERED 4 GOODCASE NASCENT ENTREPRENEURS'/
  WT_GD_FU 'PSEDI:WT RE-CENTERED 4 GOODCASE FOLLOW-UP INTERVIEWS'.
WEIGHT OFF.
*.
DESC VAR= WT_GD_NE WT_GD_FU.
*.
COMPUTE WT_GD_NE = WT_GD_NE*(1/1.0034).
COMPUTE WT_GD_FU = WT_GD_FU*(1/0.9985).
*.
DESC VAR = WT_GD_NE WT_GD_FU.
*.

```

```
SORT CASES BY RESPID (A).
*.
SAVE OUTFILE= 'C:\PSED_I\WAVE_T\SPSS_SAV\ACTS_T04.SAV'.
EXPORT OUTFILE= 'C:\PSED_I\WAVE_T\SPSS_OUT\ACTS_T04.POR'.
*.
WEIGHT OFF.
FREQ VAR GOODC_NE GOODC_FU CASEK_2C/STAT ALL.
*.
SORT CASES BY CASEK_2C (A).
DESC VAR RESPID CASEK_2C GOODC_NE GOODC_FU
      CSH_SLA1 SUACT_3 CPT_MY
      C_CSFL_X CPT_ALAG NO_WVRST.
TEMPORARY.
SELECT IF (CASEK_2C GT 0).
LIST VAR = RESPID CASEK_2C GOODC_NE GOODC_FU
      CSH_SLA1 SUACT_3 CPT_MY
      C_CSFL_X CPT_ALAG NO_WVRST.
*.
FINISH.
EXIT.
```

TITLE 'C:\PSED_I\WAVE_T\SPSS_PRO\ACTS_T05.SPS'.
SUBTITLE 'LOCATE PSED I CONCEPTION DATE USING ALL ACTS'.

*.
*.
* SPSS 15 SYNTAX REVISED FROM SPSS PC SYNTAX.
*.
*
=====

SET HEADER = YES
/ERRORS = LISTING
/RESULTS = LISTING
/PRINTBACK = LISTING
/MESSAGES = LISTING
/ONUMBERS = BOTH
/OVARS = BOTH
/TNUMBERS = BOTH
/TVARS = BOTH
/TFIT = LABELS.

*.
SHOW.
*.
*.
* SPSS-PC COMMAND STATEMENTS.
*.
*
=====

*.
* 19 JULY 2011 - USING FULL DATA FROM WAVES Q,R,S & T.
*.
* REVISED TO USE PSED II VARIABLE NAMES.
*.
*
=====

*.
*
* GET FILE = 'C:\PSED_I\WAVE_T\SPSS_SAV\ACTS_T04.SAV'.
*.
*
WEIGHT OFF.

DESC VAR RESPID WTW1 GOODC_FU GOODC_NE WT_GD_NE WT_GD_FU.
FREQ VAR GOODC_FU GOODC_NE /STAT ALL/ORDER VARIABLES.

*.
*.
* IDENTIFY OUTCOME STATUS, RESET TO MATCH PSED II VARIABLES.
* COMBINE INACTIVE AND ACTIVE START-UP STATUS.
*.
*
* USED OUTCOME2 AS IT HAS BEEN ADJUSTED TO REFLECT POSITIVE.
* MONTHLY CASH FLOW AS MEASURE OF NEW FIRM CREATION.
*.
*
=====

*.
*
* FREQ VAR OUTCOME OUTCOME2/ORDER VARIABLES.
*.
*
*
IF (OUTCOME2 = 1) STATUS_X = 1.

```

EXECUTE.
IF (OUTCOME2 = 4) STATUS_X = 3.
EXECUTE.
IF (OUTCOME2 = 2) STATUS_X = 2.
EXECUTE.
IF (OUTCOME2 = 3) STATUS_X = 2.
EXECUTE.
IF (OUTCOME2 = 9) STATUS_X = 9.
EXECUTE.
*.
VARIABLE LABEL
    STATUS_X 'CASE OUTCOME STATUS: ALL WAVE DATA'.
VALUE LABEL STATUS_X
    1 'INITIAL PROFITS'
    2 'ACTIVE START-UP'
    3 'QUIT'
    9 'MISSING DATA'.
FREQ VAR STATUS_X OUTCOME2.
CROSSTABS TABLES OUTCOME2 BY STATUS_X.
EXECUTE.
*.
*=====
*.
* CHECK FOR NEW FIRMS THAT LATER REPORT A QUIT DATE.
* RESET NEW FIRM THEN QUILTS AS NEW FIRMS.
*.
*=====
*.
COMPUTE NFB_QT_L = ((RQT_MYAW - CSFL_MY)/30.4375).
VARIABLE LABEL
    NFB_QT_L 'NEW FIRM BIRTH TO QUIT: MONTHS'.
FREQ VAR NFB_QT_L.
TEMPORARY.
SELECT IF (STATUS_X = 3).
LIST RESPID STATUS_X RQT_MYAW CSFL_MY NFB_QT_L.
*.
WEIGHT OFF.
FREQ VAR STATUS_X.
MEANS TABLE = NFB_QT_L BY STATUS_X.
*.
IF ((STATUS_X = 3) & (NFB_QT_L GT (-7.0))) STATUS_X = 1.
*.
FREQ VAR STATUS_X.
MEANS TABLE = NFB_QT_L BY STATUS_X.
*.
*.
*=====
*.
* RESET TIMES FOR STATUS_X OUTCOMES.
*.
*=====
*.
DESC VAR = TL_MTHS SC_DATE W1_DATE W2_DATE W3_DATE

```

```

LS_DATE RQT_MYAW RGB_MYAW CSFL_MY RIASU_AW RACSU_AW.
*.
MEANS TABLE = RQT_MYAW CSFL_MY RIASU_AW RACSU_AW LS_DATE
BY OUTCOME2 STATUS_X.
*.
DESCRIPTIVES VAR = RQT_MYAW CSFL_MY RIASU_AW RACSU_AW.
*.
IF (STATUS_X = 1) NEWF_DAT = CSFL_MY.
*.
IF (STATUS_X = 2) SU_DATEX = RIASU_AW.
DESC VAR SU_DATEX.
IF ((MISSING(SU_DATEX) = 1) AND (STATUS_X = 2)) SU_DATEX = RACSU_AW.
DESC VAR SU_DATEX.
IF ((MISSING(SU_DATEX) = 1) AND (STATUS_X = 2)) SU_DATEX = LS_DATE.
DESC VAR SU_DATEX.
*.
IF (STATUS_X = 3) QUIT_DAT = RQT_MYAW.
*.
DESC VAR QUIT_DAT.
IF ((MISSING(QUIT_DAT) = 1) AND (STATUS_X = 3)) QUIT_DAT = LS_DATE.
DESC VAR QUIT_DAT.
*.
MEANS TABLE = NEWF_DAT SU_DATEX QUIT_DAT BY STATUS_X.
MEANS TABLE = CSFL_MY RACSU_AW RIASU_AW RQT_MYAW BY STATUS_X.
*.
*=====
*.
* CHECK QUOTCOME DATES IN RELATION TO CONCEPTION.
*.
*=====
*.
IF (STATUS_X = 1) C_NEWF_L = ((NEWF_DAT - CPT_MY)/30.4375).
IF (STATUS_X = 3) C_QUIT_L = ((QUIT_DAT - CPT_MY)/30.4375).
IF (STATUS_X = 2) C_SUAC_L = ((SU_DATEX - CPT_MY)/30.4375).
*.
VARIABLE LABEL
  C_NEWF_L 'CONCEPT TO NEW FIRM LAG:MTHS'/
  C_QUIT_L 'CONCEPT TO QUIT LAG:MTHS'/
  C_SUAC_L 'CONCEPT TO ACTIV SU LAG:MTHS'.
*.
WEIGHT OFF.
FREQ VAR STATUS_X.
*.
*=====
*.
* CONCEPTION DATE TO NEW FIRM PROFITS NEGATIVE FOR FIVE CASES.
* ADJUST THREE TO DROP AS MISSING VALUES, RESET TWO.
* (-1.0 & -.92) TO ZERO.
*.
*=====
*.
*.
TEMPORARY.
SELECT IF (C_NEWF_L LT 0).

```

```

LIST VAR RESPID C_NEWF_L.
*.
IF (C_NEWF_L LT (-12.0)) STATUS_X = 9.
IF (C_NEWF_L LT (-12.0)) C_NEWF_L = 9999..
IF ((C_NEWF_L GT (-12.)) & (C_NEWF_L LT 0.0)) C_NEWF_L = 0.0.
MISSING VALUES C_NEWF_L (9999).
*.
WEIGHT OFF.
FREQ VAR STATUS_X.
*.
*=====
*.
* CONCEPTION DATE TO QUIT IS NEGATIVE FOR THREE CASES.
* ADJUST TWO TO DROP AS MISSING VALUES, RESET ONE (-1.02) TO 0.0.
*.
*=====
*.
TEMPORARY.
SELECT IF (C_QUIT_L LT 0).
LIST VAR RESPID C_QUIT_L.
*.
IF (C_QUIT_L LT (-12.0)) STATUS_X = 9.
IF (C_QUIT_L LT (-12.0)) C_QUIT_L = 9999..
IF ((C_QUIT_L GT (-12.)) & (C_QUIT_L LT 0.0)) C_QUIT_L = 0.0.
MISSING VALUES C_QUIT_L (9999).
*.
WEIGHT OFF.
FREQ VAR STATUS_X.
*.
*=====
*.
* CONCEPTION DATE TO ACTIVE SU IS NEGATIVE (-32.07)FOR ONE CASES.
* ADJUST TO DROP AS MISSING VALUES.
*.
*=====
*.
TEMPORARY.
SELECT IF (C_SUAC_L LT 0).
LIST VAR RESPID C_SUAC_L.
*.
IF (C_SUAC_L LT (-12.0)) STATUS_X = 9.
IF (C_SUAC_L LT (-12.0)) C_SUAC_L = 9999.
MISSING VALUES C_SUAC_L (9999).
*.
MISSING VALUES STATUS_X (9).
*.
FREQ VAR STATUS_X.
*.
DESC VAR C_NEWF_L C_QUIT_L C_SUAC_L.
WEIGHT OFF.
FREQ VAR C_NEWF_L C_QUIT_L C_SUAC_L/ORDER VARIABLES.
WEIGHT BY WT_GD_NE.
FREQ VAR C_NEWF_L C_QUIT_L C_SUAC_L/ORDER VARIABLES.
WEIGHT OFF.

```


EXECUTE.

*.

=====

*.

COMPUTE TIME LAGS FOR PROFITABLE NEW FIRM OUTCOMES.

*.

=====

*.

DESC VAR RQT_MYAW CSFL_MY.

IF (STATUS_X = 1) CSH_QT_L = ((RQT_MYAW - CSFL_MY)/30.4375).

IF (STATUS_X = 1) CSH_LI_L = ((LS_DATE - CSFL_MY)/30.4375).

VARIABLE LABEL

CSH_QT_L 'PSED 1:NEW FIRM ONLY,POS CASH FLOW TO QUIT :MTH/'

CSH_LI_L 'PSED I:NEW FIRM ONLY,POS CASH FLOW TO LAST IW:MTH'.

*.

DESC VAR CSH_QT_L CSH_LI_L.

=====

*.

POSITIVE CASH FLOW TO QUIT IS NEGATIVE FOR FOUR CASES.

FOR THREE (-6.01, -3.02, -1.94), SET QUIT DATE TO.

POSITIVE CASH FLOW DATE. FOR ONE (-23.00) SET AS .

MISSING VLAUE IN STATUS_X.

*.

=====

*.

*.

TEMPORARY.

SELECT IF (CSH_QT_L LT 0).

LIST VAR RESPID CSH_QT_L.

*.

IF (CSH_QT_L LT (-20.0)) STATUS_X = 9.

EXECUTE.

IF ((CSH_QT_L GT (-20.00)) & (CSH_QT_L LT 0.00)) RQT_MYAW = CSFL_MY.

EXECUTE.

IF (STATUS_X = 1) CSH_QT_L = ((RQT_MYAW - CSFL_MY)/30.4375).

DESC VAR = CSH_QT_L.

FREQ VAR STATUS_X.

*.

TEMPORARY.

SELECT IF (STATUS_X = 1).

WEIGHT OFF.

FREQ VAR CSH_QT_L CSH_LI_L/STAT ALL.

*.

TEMPORARY.

SELECT IF (STATUS_X = 1).

WEIGHT BY WT_GD_NE.

FREQ VAR CSH_QT_L CSH_LI_L/STAT ALL.

*.

WEIGHT BY WT_GD_NE.

FREQ VAR STATUS_X.

*.

=====

*.

STANDARDIZE VARIABLE LABELS TO MATCH PSED II.

```

*.
*=====
*.
IF (STATUS_X = 1) NEWF_DAT = CSFL_MY.
IF (STATUS_X = 1) NFQT_DAT = RQT_MYAw.
*.
VARIABLE LABELS
    NEWF_DAT    'DATE NEW FIRM LAUNCHED'/
    QUIT_DAT    'DATE DISENGAGEMENT FROM START-UP PROCESS'/
    NFQT_DAT    'DATE NEW FIRM LATER REPORTS QUIT'/
    SU_DATEX    'DATE LAST REPORT START-UP ACTIVE,WAVE B,C,D,E,F'.
*.
DESC VAR NEWF_DAT QUIT_DAT NFQT_DAT SU_DATEX.
*.
*=====
*.
*    COMPUTE CONCEPTION TO OUTCOME TIMES.
*.
*=====
*.
COMPUTE C_NEWF = ((NEWF_DAT - CPT_MY)/30.4375).
COMPUTE C_QUIT = ((QUIT_DAT - CPT_MY)/30.4375).
COMPUTE C_SUACT = ((SU_DATEX - CPT_MY)/30.4375).
VARIABLE LABELS
    C_NEWF      'MONTHS:CONCEPTION TO NEW FIRM BIRTH'/
    C_QUIT      'MONTHS:CONCEPTION TO QUIT START-UP'/
    C_SUACT     'MONTHS:CONCEPTION TO STILL ACTIVE IN SU'.
*.
WEIGHT OFF.
DESC VAR C_NEWF C_QUIT C_SUACT.
*.
*=====
*.
*    COMPUTE NEW FIRM STATUS VARIABLE.
*.
*=====
*.
IF (STATUS_X = 1) NFSTATUS = 1.
*.
IF ((NFSTATUS = 1) AND (MISSING(NFQT_DAT) NE 1)) NFSTATUS = 2.
VARIABLE LABEL
    NFSTATUS    'OUTCOME STATUS OF NEW FIRMS;CASES WITH INITIAL PROFITS'.
VALUE LABEL NFSTATUS
    1    'IN PROFIT'
    2    'PROFIT->QUIT'.
WEIGHT OFF.
FREQ VAR NFSTATUS.
*.
IF (NFSTATUS = 1) NFSR_DAT = LS_DATE.
VARIABLE LABEL
    NFSR_DAT    'DATE: LAST KNOWN NEW FIRM ACTIVE'.
*.
DESC VAR = NFSR_DAT.

```

```

*.
*=====
*.
* IDENTIFY CASES WITH AMBIGUOUS OUTCOMES.
*.
*=====
*.
WEIGHT OFF.
FREQ VAR CASEK_2C STATUS_X.
IF ((CASEK_2C = 0) & (MISSING(STATUS_X) = 1)) CASEK_2C = 30.
ADD VALUE LABELS CASEK_2C
    30 'UNKNOWN OUTCOME'.
*.
FREQ VAR CASEK_2C STATUS_X.
*.
*=====
*.
* COMPUTE NEW WEIGHTS FOR GOOD CASES WITH STATUS OUTCOME.
*.
*=====
*.
WEIGHT OFF.
DESC VAR WT_GD_NE WT_GD_FU.
FREQ VAR STATUS_X NFSTATUS.
CROSSTABS TABLES CASEK_2C BY STATUS_X NFSTATUS.
MEANS TABLES WT_GD_NE WT_GD_FU BY CASEK_2C.
MEANS TABLES WT_GD_NE WT_GD_FU BY STATUS_X.
*.
IF (MISSING(STATUS_X) NE 1) WT_GD_FS = WT_GD_FU.
IF (MISSING(NFSTATUS) NE 1) WT_GD_NS = WT_GD_FU.
VARIABLE LABEL
    WT_GD_FS 'WEIGHT:GOOD CASE WITH FOLLOW_UP STATUS'/
    WT_GD_NS 'WEIGHT:GOOD CASE WITH FIRM OUTCOME STATUS'.
WEIGHT OFF.
DESC VAR WT_GD_FS WT_GD_NS.
COMPUTE WT_GD_FS = WT_GD_FS*(1/1.0012).
COMPUTE WT_GD_NS = WT_GD_NS*(1/1.0379).
DESC VAR WT_GD_FS WT_GD_NS.
*.
WEIGHT BY WT_GD_FS.
FREQ VAR STATUS_X.
*.
WEIGHT BY WT_GD_NS.
FREQ VAR NFSTATUS.
*.
MEANS TABLE C_NEWF C_QUIT C_SUACT BY STATUS_X.
*.
MEANS TABLES = NEWF_DAT QUIT_DAT SU_DATEX BY CASEK_2C/
    NEWF_DAT QUIT_DAT SU_DATEX BY STATUS_X.
*.
EXECUTE.
*.
WEIGHT OFF.
FREQ VAR STATUS_X.

```


TITLE 'C:\PSED_II\WAVE_D\SPSS_PRO\ACTS_F01.SPS'.
SUBTITLE 'INITIAL PROCESSING OF START-UP ACTS FROM PSED II'.

*.
* SPSS 15 SYNTAX REVISED FROM SPSS PC SYNTAX.

*.
*=====
SET HEADER = YES
/ERRORS = LISTING
/RESULTS = LISTING
/PRINTBACK = LISTING
/MESSAGES = LISTING
/ONUMBERS = BOTH
/OVARS = BOTH
/TNUMBERS = BOTH
/TVARS = BOTH
/TFIT = LABELS.

*.
SHOW.
*.
* SPSS-PC COMMAND STATEMENTS.

*.
*=====
* DEVELOP MEASURES OF START-UP ACTS AND OCCURRENCE HARMONIZED .
* WITH ASSESSMENT FOR PSED I.

*.
* CONSOLIDATE ALL ACTS REPORTED IN WAVE A, B, C, D, e, AND F.
* INTO ONE FILE, THEN USE THIS INFORMATION TO IDENTIFY A NEW.
* SET OF GOOD CASES.

*.
* RERUN WITH 24 AUG 09 UPDATED SPSS DATA FILE DATED 06 JUL 09.

*.
*=====
* GET FILE = 'C:\PSED_II\WAVE_F\SPSS_DAT\PSEDII_SCRN_ABCDEF.SAV'.

*.
FREQ VAR UNDERSTDB UNDERSTDC UNDERSTDD UNDERSTDE UNDERSTDF.

*.
RENAME VARIABLES (CALL_NUM CALL_NUMB CALL_NUMC CALL_NUME CALL_NUMF
MARITAL_STATUS SCREEN_ID
UNDERSTDB UNDERSTDC UNDERSTDD UNDERSTDE UNDERSTDF
REPLICATE
=
CALL_N_A CALL_N_B CALL_N_C CALL_N_E CALL_N_F
MARTIAL SCREENID
RUNDER_B RUNDER_C RUNDER_D RUNDER_E RUNDER_F
REPLICAT).

*.
ADD VALUE LABELS RUNDER_B RUNDER_C RUNDER_D RUNDER_E RUNDER_F
1 'EXCELLENT'
2 'GOOD'
3 'FAIR'
4 'POOR'.

*.
DESCRIPTIVES VAR = SCREENID.

FREQUENCIES VAR = CALL_N_B CALL_N_C MARTIAL
RUNDER_B RUNDER_C RUNDER_D RUNDER_E RUNDER_F
REPLICAT.

*.
* CHECK AND RESET ALL MONTH DATA TO APPROXIMATE ACTUAL MONTH.
* SEASON RESPONSES RECODED TO MODAL MONTH.
* IF YEAR BUT NO MONTH, MONTH SET TO JUNE.

*=====

*.
* ADJUST ALL WAVE A ITEMS.

*=====

*.
*.
MISSING VALUES

AA8B AB9B AC3B AC5B AD3B AD4B AD7B AD8B AD10B
AD12B AD14B AD15B AD17B AD19B AD21B AD23B AD25B
AD27B AD29B AE2B AE4B AE6B AE8B AE12B AE14B
AE16B AE19B AE21B AE23B AE25B AE27B AE29B AE31B
AE33B AE35B AE37B
AG8B_1 AG8B_2 AG8B_3 AG8B_4 AG8B_5
AH9B_2 AH9B_3 AH9B_4 AH9B_5
AH18B_1 AH18B_2 AH18B_3 AH18B_4 AH18B_5
AK7B_2 AK7B_3 AK7B_4 AK7B_5
AM16B_1 AM16B_2 AM16B_3
(9998 9999).

*.
MISSING VALUES

AA8A AB9A AC3A AC5A AD3A AD4A AD7A AD8A AD10A
AD12A AD14A AD15A AD17A AD19A AD21A AD23A AD25A
AD27A AD29A AE2A AE4A AE6A AE8A AE12A AE14A
AE16A AE19A AE21A AE23A AE25A AE27A AE29A AE31A
AE33A AE35A AE37A
AG8A_1 AG8A_2 AG8A_3 AG8A_4 AG8A_5
AH9A_2 AH9A_3 AH9A_4 AH9A_5
AH18A_1 AH18A_2 AH18A_3 AH18A_4 AH18A_5
AK7A_2 AK7A_3 AK7A_4 AK7A_5
AM16A_1 AM16A_2 AM16A_3 (98 99).

*.
*.
*.
ADD VALUE LABEL

AA8A AB9A AC3A AC5A AD3A AD4A AD7A AD8A AD10A
AD12A AD14A AD15A AD17A AD19A AD21A AD23A AD25A
AD27A AD29A AE2A AE4A AE6A AE8A AE12A AE14A
AE16A AE19A AE21A AE23A AE25A AE27A AE29A AE31A
AE33A AE35A AE37A
AG8A_1 AG8A_2 AG8A_3 AG8A_4 AG8A_5
AH9A_2 AH9A_3 AH9A_4 AH9A_5
AH18A_1 AH18A_2 AH18A_3 AH18A_4 AH18A_5

AK7A_2 AK7A_3 AK7A_4 AK7A_5
AM16A_1 AM16A_2 AM16A_3
17 'NOT COMPLETED'.

*.

FREQ VAR AA8A AB9A AC3A AC5A AD3A AD4A AD7A AD8A AD10A
AD12A AD14A AD15A AD17A AD19A AD21A AD23A AD25A
AD27A AD29A AE2A AE4A AE6A AE8A AE12A AE14A
AE16A AE19A AE21A AE23A AE25A AE27A AE29A AE31A
AE33A AE35A AE37A
AG8A_1 AG8A_2 AG8A_3 AG8A_4 AG8A_5
AH9A_2 AH9A_3 AH9A_4 AH9A_5
AH18A_1 AH18A_2 AH18A_3 AH18A_4 AH18A_5
AK7A_2 AK7A_3 AK7A_4 AK7A_5
AM16A_1 AM16A_2 AM16A_3
/ORDER VARIABLES.

*.

*.

*

THINKING OF BUSINESS START-UP.

IF (AA8A = 13) AA8A = 2.
IF (AA8A = 14) AA8A = 5.
IF (AA8A = 15) AA8A = 8.
IF (AA8A = 16) AA8A = 11.
IF ((MISSING(AA8B) NE 1)&(MISSING(AA8A) = 1)) AA8A = 6.

*.

*

FIRST USED PHYSICAL SPACE.

IF (AB9A = 13) AB9A = 2.
IF (AB9A = 14) AB9A = 5.
IF (AB9A = 15) AB9A = 8.
IF (AB9A = 16) AB9A = 11.
IF ((MISSING(AB9B) NE 1)&(MISSING(AB9A) = 1)) AB9A = 6.

*.

*

LEGAL FORM REGISTERED .

IF (AC3A = 13) AC3A = 2.
IF (AC3A = 14) AC3A = 5.
IF (AC3A = 15) AC3A = 8.
IF (AC3A = 16) AC3A = 11.
IF ((MISSING(AC3B) NE 1)&(MISSING(AC3A) = 1)) AC3A = 6.

*.

*

LIABILITY INSURANCE PURCHASED .

IF (AC5A = 13) AC5A = 2.
IF (AC5A = 14) AC5A = 5.
IF (AC5A = 15) AC5A = 8.
IF (AC5A = 16) AC5A = 11.
IF ((MISSING(AC5B) NE 1)&(MISSING(AC5A) = 1)) AC5A = 6.

*.

*

INITATED PREPARATION OF A BUSINESS PLAN .

IF (AD3A = 13) AD3A = 2.
IF (AD3A = 14) AD3A = 5.
IF (AD3A = 15) AD3A = 8.
IF (AD3A = 16) AD3A = 11.
IF ((MISSING(AD3B) NE 1)&(MISSING(AD3A) = 1)) AD3A = 6.

*.

*

COMPLETED PREPARATION OF A BUSINESS PLAN .

IF (AD4A = 13) AD4A = 2.

IF (AD4A = 14) AD4A = 5.
IF (AD4A = 15) AD4A = 8.
IF (AD4A = 16) AD4A = 11.
IF ((MISSING(AD4B) NE 1)&(MISSING(AD4A) = 1)) AD4A = 6.

*.
* INITIATED DEVELOPMENT OF PRODUCT/SERVICE .

IF (AD7A = 13) AD7A = 2.
IF (AD7A = 14) AD7A = 5.
IF (AD7A = 15) AD7A = 8.
IF (AD7A = 16) AD7A = 11.
IF ((MISSING(AD7B) NE 1)&(MISSING(AD7A) = 1)) AD7A = 6.

*.
* COMPLETED PRODUCT/SERVICE READY FOR SALE .

IF (AD8A = 13) AD8A = 2.
IF (AD8A = 14) AD8A = 5.
IF (AD8A = 15) AD8A = 8.
IF (AD8A = 16) AD8A = 11.
IF ((MISSING(AD8B) NE 1)&(MISSING(AD8A) = 1)) AD8A = 6.

*.
* PROMOTIONAL EFFORTS BEGAN .

IF (AD10A = 13) AD10A = 2.
IF (AD10A = 14) AD10A = 5.
IF (AD10A = 15) AD10A = 8.
IF (AD10A = 16) AD10A = 11.
IF ((MISSING(AD10B) NE 1)&(MISSING(AD10A) = 1)) AD10A = 6.

*.
* PROPRIETARY TECHNOLOGY FULLY DEVELOPED .

IF (AD12A = 13) AD12A = 2.
IF (AD12A = 14) AD12A = 5.
IF (AD12A = 15) AD12A = 8.
IF (AD12A = 16) AD12A = 11.
IF ((MISSING(AD12B) NE 1)&(MISSING(AD12A) = 1)) AD12A = 6.

*.
* INITIATED PATENT/COPYRIGHT APPLICATION PREPARATION.

IF (AD14A = 13) AD14A = 2.
IF (AD14A = 14) AD14A = 5.
IF (AD14A = 15) AD14A = 8.
IF (AD14A = 16) AD14A = 11.
IF ((MISSING(AD14B) NE 1)&(MISSING(AD14A) = 1)) AD14A = 6.

*.
* PATENT/COPYRIGHT GRANTED.

IF (AD15A = 13) AD15A = 2.
IF (AD15A = 14) AD15A = 5.
IF (AD15A = 15) AD15A = 8.
IF (AD15A = 16) AD15A = 11.
IF ((MISSING(AD15B) NE 1)&(MISSING(AD15A) = 1)) AD15A = 6.

*.
* BEGAN TO PURCHASE/LEASE MAJOR ITEMS.

IF (AD17A = 13) AD17A = 2.
IF (AD17A = 14) AD17A = 5.
IF (AD17A = 15) AD17A = 8.
IF (AD17A = 16) AD17A = 11.
IF ((MISSING(AD17B) NE 1)&(MISSING(AD17A) = 1)) AD17A = 6.

*.

* BEGAN TO PURCHASE MATERIALS/INVENTORY.
IF (AD19A = 13) AD19A = 2.
IF (AD19A = 14) AD19A = 5.
IF (AD19A = 15) AD19A = 8.
IF (AD19A = 16) AD19A = 11.
IF ((MISSING(AD19B) NE 1)&(MISSING(AD19A) = 1)) AD19A = 6.

*.
* BEGAN DISCUSSIONS WITH POTENTIAL CUSTOMERS.
IF (AD21A = 13) AD21A = 2.
IF (AD21A = 14) AD21A = 5.
IF (AD21A = 15) AD21A = 8.
IF (AD21A = 16) AD21A = 11.
IF ((MISSING(AD21B) NE 1)&(MISSING(AD21A) = 1)) AD21A = 6.

*.
* BEGAN COLLECTING INFORMATION ABOUT COMPETITORS.
IF (AD23A = 13) AD23A = 2.
IF (AD23A = 14) AD23A = 5.
IF (AD23A = 15) AD23A = 8.
IF (AD23A = 16) AD23A = 11.
IF ((MISSING(AD23B) NE 1)&(MISSING(AD23A) = 1)) AD23A = 6.

*.
* BEGAN DEFINING MARKET OPPORTUNITIES.
IF (AD25A = 13) AD25A = 2.
IF (AD25A = 14) AD25A = 5.
IF (AD25A = 15) AD25A = 8.
IF (AD25A = 16) AD25A = 11.
IF ((MISSING(AD25B) NE 1)&(MISSING(AD25A) = 1)) AD25A = 6.

*.
* BEGAN DEVELOPING FINANCIAL PROJECTIONS.
IF (AD27A = 13) AD27A = 2.
IF (AD27A = 14) AD27A = 5.
IF (AD27A = 15) AD27A = 8.
IF (AD27A = 16) AD27A = 11.
IF ((MISSING(AD27B) NE 1)&(MISSING(AD27A) = 1)) AD27A = 6.

*.
* COMPLETED DETERMINATION OF REGULATORY REQUIREMENTS.
IF (AD29A = 13) AD29A = 2.
IF (AD29A = 14) AD29A = 5.
IF (AD29A = 15) AD29A = 8.
IF (AD29A = 16) AD29A = 11.
IF ((MISSING(AD29B) NE 1)&(MISSING(AD29A) = 1)) AD29A = 6.

*.
* FIRST SOUGHT OUTSIDE FUNDING.
IF (AE2A = 13) AE2A = 2.
IF (AE2A = 14) AE2A = 5.
IF (AE2A = 15) AE2A = 8.
IF (AE2A = 16) AE2A = 11.
IF ((MISSING(AE2B) NE 1)&(MISSING(AE2A) = 1)) AE2A = 6.

*.
* FIRST OUTSIDE FUNDING OBTAINED.
IF (AE4A = 13) AE4A = 2.
IF (AE4A = 14) AE4A = 5.
IF (AE4A = 15) AE4A = 8.
IF (AE4A = 16) AE4A = 11.

IF ((MISSING(AE4B) NE 1)&(MISSING(AE4A) = 1)) AE4A = 6.
 *.
 * SUPPLIER CREDIT ESTABLISHED.
 IF (AE6A = 13) AE6A = 2.
 IF (AE6A = 14) AE6A = 5.
 IF (AE6A = 15) AE6A = 8.
 IF (AE6A = 16) AE6A = 11.
 IF ((MISSING(AE6B) NE 1)&(MISSING(AE6A) = 1)) AE6A = 6.
 *.
 * FIRST PERSON HIRED.
 IF (AE8A = 13) AE8A = 2.
 IF (AE8A = 14) AE8A = 5.
 IF (AE8A = 15) AE8A = 8.
 IF (AE8A = 16) AE8A = 11.
 IF ((MISSING(AE8B) NE 1)&(MISSING(AE8A) = 1)) AE8A = 6.
 *.
 * BUSINESS BANK ACCOUNT OPENED.
 IF (AE12A = 13) AE12A = 2.
 IF (AE12A = 14) AE12A = 5.
 IF (AE12A = 15) AE12A = 8.
 IF (AE12A = 16) AE12A = 11.
 IF ((MISSING(AE12B) NE 1)&(MISSING(AE12A) = 1)) AE12A = 6.
 *.
 * FIRST INCOME RECEIVED .
 IF (AE14A = 13) AE14A = 2.
 IF (AE14A = 14) AE14A = 5.
 IF (AE14A = 15) AE14A = 8.
 IF (AE14A = 16) AE14A = 11.
 IF ((MISSING(AE14B) NE 1)&(MISSING(AE14A) = 1)) AE14A = 6.
 *.
 * MONTHLY REVENUE FIRST EXCEEDED EXPENSES .
 IF (AE16A = 13) AE16A = 2.
 IF (AE16A = 14) AE16A = 5.
 IF (AE16A = 15) AE16A = 8.
 IF (AE16A = 16) AE16A = 11.
 IF ((MISSING(AE16B) NE 1)&(MISSING(AE16A) = 1)) AE16A = 6.
 *.
 * ACCOUNTANT RETAINED FOR THE BUSINESS .
 IF (AE19A = 13) AE19A = 2.
 IF (AE19A = 14) AE19A = 5.
 IF (AE19A = 15) AE19A = 8.
 IF (AE19A = 16) AE19A = 11.
 IF ((MISSING(AE19B) NE 1)&(MISSING(AE19A) = 1)) AE19A = 6.
 *.
 * LAWYER RETAINED FOR THE BUSINESS .
 IF (AE21A = 13) AE21A = 2.
 IF (AE21A = 14) AE21A = 5.
 IF (AE21A = 15) AE21A = 8.
 IF (AE21A = 16) AE21A = 11.
 IF ((MISSING(AE21B) NE 1)&(MISSING(AE21A) = 1)) AE21A = 6.
 *.
 * JOINED TRADE ASSOCIATION.
 IF (AE23A = 13) AE23A = 2.
 IF (AE23A = 14) AE23A = 5.

IF (AE23A = 15) AE23A = 8.
IF (AE23A = 16) AE23A = 11.
IF ((MISSING(AE23B) NE 1)&(MISSING(AE23A) = 1)) AE23A = 6.

*.
*

FIRST ESTABLISHED PHONE/INTERNET CONNECTION.

IF (AE25A = 13) AE25A = 2.
IF (AE25A = 14) AE25A = 5.
IF (AE25A = 15) AE25A = 8.
IF (AE25A = 16) AE25A = 11.
IF ((MISSING(AE25B) NE 1)&(MISSING(AE25A) = 1)) AE25A = 6.

*.
*

APPLIED FOR FEDERAL EIN NUMBER .

IF (AE27A = 13) AE27A = 2.
IF (AE27A = 14) AE27A = 5.
IF (AE27A = 15) AE27A = 8.
IF (AE27A = 16) AE27A = 11.
IF ((MISSING(AE27B) NE 1)&(MISSING(AE27A) = 1)) AE27A = 6.

*.
*

FIRST FILED FOR DBA [FICTIOUS] NAME WITH GOV AGENCY.

IF (AE29A = 13) AE29A = 2.
IF (AE29A = 14) AE29A = 5.
IF (AE29A = 15) AE29A = 8.
IF (AE29A = 16) AE29A = 11.
IF ((MISSING(AE29B) NE 1)&(MISSING(AE29A) = 1)) AE29A = 6.

*.
*

PAID FIRST STATE UNEMPLOYMENT INSURANCE TAXES .

IF (AE31A = 13) AE31A = 2.
IF (AE31A = 14) AE31A = 5.
IF (AE31A = 15) AE31A = 8.
IF (AE31A = 16) AE31A = 11.
IF ((MISSING(AE31B) NE 1)&(MISSING(AE31A) = 1)) AE31A = 6.

*.
*

PAID FIRST FEDERAL FICA [SOC SECURITY] TAXES .

IF (AE33A = 13) AE33A = 2.
IF (AE33A = 14) AE33A = 5.
IF (AE33A = 15) AE33A = 8.
IF (AE33A = 16) AE33A = 11.
IF ((MISSING(AE33B) NE 1)&(MISSING(AE33A) = 1)) AE33A = 6.

*.
*

FILED FIRST FEDERAL INCOME TAX RETURN.

IF (AE35A = 13) AE35A = 2.
IF (AE35A = 14) AE35A = 5.
IF (AE35A = 15) AE35A = 8.
IF (AE35A = 16) AE35A = 11.
IF ((MISSING(AE35B) NE 1)&(MISSING(AE35A) = 1)) AE35A = 6.

*.
*

FIRST TIME KNOW LISTED WITH DUN & BRADSTREET.

IF (AE37A = 13) AE37A = 2.
IF (AE37A = 14) AE37A = 5.
IF (AE37A = 15) AE37A = 8.
IF (AE37A = 16) AE37A = 11.
IF ((MISSING(AE37B) NE 1)&(MISSING(AE37A) = 1)) AE37A = 6.

*.
*

DESCRIPTIVES VAR AE37A.

```

*.
* OWNER 1 SIGNED OWNERSHIP SHARES AGREEMENT .
IF (AG8A_1 = 13) AG8A_1 = 2.
IF (AG8A_1 = 14) AG8A_1 = 5.
IF (AG8A_1 = 15) AG8A_1 = 8.
IF (AG8A_1 = 16) AG8A_1 = 11.
IF ((MISSING(AG8B_1) NE 1)&(MISSING(AG8A_1) = 1)) AG8A_1 = 6.
*.
* OWNER 2 SIGNED OWNERSHIP SHARES AGREEMENT .
IF (AG8A_2 = 13) AG8A_2 = 2.
IF (AG8A_2 = 14) AG8A_2 = 5.
IF (AG8A_2 = 15) AG8A_2 = 8.
IF (AG8A_2 = 16) AG8A_2 = 11.
IF ((MISSING(AG8B_2) NE 1)&(MISSING(AG8A_2) = 1)) AG8A_2 = 6.
*.
* OWNER 3 SIGNED OWNERSHIP SHARES AGREEMENT .
IF (AG8A_3 = 13) AG8A_3 = 2.
IF (AG8A_3 = 14) AG8A_3 = 5.
IF (AG8A_3 = 15) AG8A_3 = 8.
IF (AG8A_3 = 16) AG8A_3 = 11.
IF ((MISSING(AG8B_3) NE 1)&(MISSING(AG8A_3) = 1)) AG8A_3 = 6.
*.
* OWNER 4 SIGNED OWNERSHIP SHARES AGREEMENT .
IF (AG8A_4 = 13) AG8A_4 = 2.
IF (AG8A_4 = 14) AG8A_4 = 5.
IF (AG8A_4 = 15) AG8A_4 = 8.
IF (AG8A_4 = 16) AG8A_4 = 11.
IF ((MISSING(AG8B_4) NE 1)&(MISSING(AG8A_4) = 1)) AG8A_4 = 6.
*.
* OWNER 5 SIGNED OWNERSHIP SHARES AGREEMENT .
IF (AG8A_5 = 13) AG8A_5 = 2.
IF (AG8A_5 = 14) AG8A_5 = 5.
IF (AG8A_5 = 15) AG8A_5 = 8.
IF (AG8A_5 = 16) AG8A_5 = 11.
IF ((MISSING(AG8B_5) NE 1)&(MISSING(AG8A_5) = 1)) AG8A_5 = 6.
*.
*.
* OWNER 1 BEGAN WORKING FULL TIME FOR NEW BUSINESS .
IF (AH18A_1 = 13) AH18A_1 = 2.
IF (AH18A_1 = 14) AH18A_1 = 5.
IF (AH18A_1 = 15) AH18A_1 = 8.
IF (AH18A_1 = 16) AH18A_1 = 11.
IF ((MISSING(AH18B_1) NE 1)&(MISSING(AH18A_1) = 1)) AH18A_1 = 6.
*.
* OWNER 2 BEGAN WORKING FULL TIME FOR NEW BUSINESS .
IF (AH18A_2 = 13) AH18A_2 = 2.
IF (AH18A_2 = 14) AH18A_2 = 5.
IF (AH18A_2 = 15) AH18A_2 = 8.
IF (AH18A_2 = 16) AH18A_2 = 11.
IF ((MISSING(AH18B_2) NE 1)&(MISSING(AH18A_2) = 1)) AH18A_2 = 6.
*.
* OWNER 3 BEGAN WORKING FULL TIME FOR NEW BUSINESS .
IF (AH18A_3 = 13) AH18A_3 = 2.
IF (AH18A_3 = 14) AH18A_3 = 5.

```

IF (AH18A_3 = 15) AH18A_3 = 8.
 IF (AH18A_3 = 16) AH18A_3 = 11.
 IF ((MISSING(AH18B_3) NE 1)&(MISSING(AH18A_3) = 1)) AH18A_3 = 6.
 *.
 * OWNER 4 BEGAN WORKING FULL TIME FOR NEW BUSINESS .
 IF (AH18A_4 = 13) AH18A_4 = 2.
 IF (AH18A_4 = 14) AH18A_4 = 5.
 IF (AH18A_4 = 15) AH18A_4 = 8.
 IF (AH18A_4 = 16) AH18A_4 = 11.
 IF ((MISSING(AH18B_4) NE 1)&(MISSING(AH18A_4) = 1)) AH18A_4 = 6.
 *.
 * OWNER 5 BEGAN WORKING FULL TIME FOR NEW BUSINESS .
 IF (AH18A_5 = 13) AH18A_5 = 2.
 IF (AH18A_5 = 14) AH18A_5 = 5.
 IF (AH18A_5 = 15) AH18A_5 = 8.
 IF (AH18A_5 = 16) AH18A_5 = 11.
 IF ((MISSING(AH18B_5) NE 1)&(MISSING(AH18A_5) = 1)) AH18A_5 = 6.
 *.
 * OWNER 2 FIRST BECAME INVOLVED WITH START-UP TEAM.
 IF (AH9A_2 = 13) AH9A_2 = 2.
 IF (AH9A_2 = 14) AH9A_2 = 5.
 IF (AH9A_2 = 15) AH9A_2 = 8.
 IF (AH9A_2 = 16) AH9A_2 = 11.
 IF ((MISSING(AH9B_2) NE 1)&(MISSING(AH9A_2) = 1)) AH9A_2 = 6.
 *.
 * OWNER 3 FIRST BECAME INVOLVED WITH START-UP TEAM.
 IF (AH9A_3 = 13) AH9A_3 = 2.
 IF (AH9A_3 = 14) AH9A_3 = 5.
 IF (AH9A_3 = 15) AH9A_3 = 8.
 IF (AH9A_3 = 16) AH9A_3 = 11.
 IF ((MISSING(AH9B_3) NE 1)&(MISSING(AH9A_3) = 1)) AH9A_3 = 6.
 *.
 * OWNER 4 FIRST BECAME INVOLVED WITH START-UP TEAM.
 IF (AH9A_4 = 13) AH9A_4 = 2.
 IF (AH9A_4 = 14) AH9A_4 = 5.
 IF (AH9A_4 = 15) AH9A_4 = 8.
 IF (AH9A_4 = 16) AH9A_4 = 11.
 IF ((MISSING(AH9B_4) NE 1)&(MISSING(AH9A_4) = 1)) AH9A_4 = 6.
 *.
 * OWNER 5 FIRST BECAME INVOLVED WITH START-UP TEAM.
 IF (AH9A_5 = 13) AH9A_5 = 2.
 IF (AH9A_5 = 14) AH9A_5 = 5.
 IF (AH9A_5 = 15) AH9A_5 = 8.
 IF (AH9A_5 = 16) AH9A_5 = 11.
 IF ((MISSING(AH9B_5) NE 1)&(MISSING(AH9A_5) = 1)) AH9A_5 = 6.
 *.
 * LEGAL ENTITY (OWNER 2) FIRST BECAME INVOLVED .
 IF (AK7A_2 = 13) AK7A_2 = 2.
 IF (AK7A_2 = 14) AK7A_2 = 5.
 IF (AK7A_2 = 15) AK7A_2 = 8.
 IF (AK7A_2 = 16) AK7A_2 = 11.
 IF ((MISSING(AK7B_2) NE 1)&(MISSING(AK7A_2) = 1)) AK7A_2 = 6.
 *.
 * LEGAL ENTITY (OWNER 3) FIRST BECAME INVOLVED .

IF (AK7A_3 = 13) AK7A_3 = 2.
IF (AK7A_3 = 14) AK7A_3 = 5.
IF (AK7A_3 = 15) AK7A_3 = 8.
IF (AK7A_3 = 16) AK7A_3 = 11.
IF ((MISSING(AK7B_3) NE 1)&(MISSING(AK7A_3) = 1)) AK7A_3 = 6.

*.
* LEGAL ENTITY (OWNER 4) FIRST BECAME INVOLVED .

IF (AK7A_4 = 13) AK7A_4 = 2.
IF (AK7A_4 = 14) AK7A_4 = 5.
IF (AK7A_4 = 15) AK7A_4 = 8.
IF (AK7A_4 = 16) AK7A_4 = 11.
IF ((MISSING(AK7B_4) NE 1)&(MISSING(AK7A_4) = 1)) AK7A_4 = 6.

*.
* LEGAL ENTITY (OWNER 5) FIRST BECAME INVOLVED .

IF (AK7A_5 = 13) AK7A_5 = 2.
IF (AK7A_5 = 14) AK7A_5 = 5.
IF (AK7A_5 = 15) AK7A_5 = 8.
IF (AK7A_5 = 16) AK7A_5 = 11.
IF ((MISSING(AK7B_5) NE 1)&(MISSING(AK7A_5) = 1)) AK7A_5 = 6.

*.
* NON-OWNER 1 WORK FULL TIME ON START-UP TEAM .

IF (AM16A_1 = 13) AM16A_1 = 2.
IF (AM16A_1 = 14) AM16A_1 = 5.
IF (AM16A_1 = 15) AM16A_1 = 8.
IF (AM16A_1 = 16) AM16A_1 = 11.
IF ((MISSING(AM16B_1) NE 1)&(MISSING(AM16A_1) = 1)) AM16A_1 = 6.

*.
* NON-OWNER 2 WORK FULL TIME ON START-UP TEAM .

IF (AM16A_2 = 13) AM16A_2 = 2.
IF (AM16A_2 = 14) AM16A_2 = 5.
IF (AM16A_2 = 15) AM16A_2 = 8.
IF (AM16A_2 = 16) AM16A_2 = 11.
IF ((MISSING(AM16B_2) NE 1)&(MISSING(AM16A_2) = 1)) AM16A_2 = 6.

*.
* NON-OWNER 3 WORK FULL TIME ON START-UP TEAM .

IF (AM16A_3 = 13) AM16A_3 = 2.
IF (AM16A_3 = 14) AM16A_3 = 5.
IF (AM16A_3 = 15) AM16A_3 = 8.
IF (AM16A_3 = 16) AM16A_3 = 11.
IF ((MISSING(AM16B_3) NE 1)&(MISSING(AM16A_3) = 1)) AM16A_3 = 6.

FREQ VAR AA8A AB9A AC3A AC5A AD3A AD4A AD7A AD8A AD10A
AD12A AD14A AD15A AD17A AD19A AD21A AD23A AD25A
AD27A AD29A AE2A AE4A AE6A AE8A AE12A AE14A
AE16A AE19A AE21A AE23A AE25A AE27A AE29A AE31A
AE33A AE35A AE37A
AG8A_1 AG8A_2 AG8A_3 AG8A_4 AG8A_5
AH9A_2 AH9A_3 AH9A_4 AH9A_5
AH18A_1 AH18A_2 AH18A_3 AH18A_4 AH18A_5
AK7A_2 AK7A_3 AK7A_4 AK7A_5
AM16A_1 AM16A_2 AM16A_3
/ORDER VARIABLE.

*.
* ORIGINAL PROGRAMMING TOOK START-UP EVENTS FROM TWO FILES.

```
*.  
MISSING VALUES  
  AN16B_1 AN16B_2 AN16B_3  
  AQ14B_1 AQ14B_2 AQ14B_3 AQ14B_4 AQ14B_5  
  AR2B (9998 9999)  
  AN16A_1 AN16A_2 AN16A_3  
  AQ14A_1 AQ14A_2 AQ14A_3 AQ14A_4 AQ14A_5  
  AR2A (98 99).
```

```
*.  
ADD VALUE LABEL  
  AN16A_1 AN16A_2 AN16A_3  
  AQ14A_1 AQ14A_2 AQ14A_3 AQ14A_4 AQ14A_5  
  AR2A  
  17 'NOT COMPLETED'.
```

```
*.  
FREQ VAR AN16A_1 AN16A_2 AN16A_3  
  AQ14A_1 AQ14A_2 AQ14A_3 AQ14A_4 AQ14A_5  
  AR2A  
/ORDER VARIABLES.
```

```
*.  
*.  
* HELPER #1 BEGAN WORKING FULL TIME.  
IF (AN16A_1= 13) AN16A_1= 2.  
IF (AN16A_1 = 14) AN16A_1 = 5.  
IF (AN16A_1 = 15) AN16A_1 = 8.  
IF (AN16A_1 = 16) AN16A_1 = 11.  
IF ((MISSING(AN16B_1) NE 1)&(MISSING(AN16A_1) = 1)) AN16A_1 = 6.
```

```
*.  
* HELPER #2 BEGAN WORKING FULL TIME.  
IF (AN16A_2 = 13) AN16A_2 = 2.  
IF (AN16A_2 = 14) AN16A_2 = 5.  
IF (AN16A_2 = 15) AN16A_2 = 8.  
IF (AN16A_2 = 16) AN16A_2 = 11.  
IF ((MISSING(AN16B_2) NE 1)&(MISSING(AN16A_2) = 1)) AN16A_2 = 6.
```

```
*.  
* HELPER #3 BEGAN WORKING FULL TIME.  
IF (AN16A_3 = 13) AN16A_3 = 2.  
IF (AN16A_3 = 14) AN16A_3 = 5.  
IF (AN16A_3 = 15) AN16A_3 = 8.  
IF (AN16A_3 = 16) AN16A_3 = 11.  
IF ((MISSING(AN16B_3) NE 1)&(MISSING(AN16A_3) = 1)) AN16A_3 = 6.
```

```
*.  
* OWNER #1 INITIAL INVESTMENT.  
IF (AQ14A_1 = 13) AQ14A_1= 2.  
IF (AQ14A_1 = 14) AQ14A_1 = 5.  
IF (AQ14A_1 = 15) AQ14A_1 = 8.  
IF (AQ14A_1 = 16) AQ14A_1 = 11.  
IF ((MISSING(AQ14B_1) NE 1)&(MISSING(AQ14A_1) = 1)) AQ14A_1 = 6.
```

```
*.  
* OWNER #2 INITIAL INVESTMENT.  
IF (AQ14A_2 = 13) AQ14A_2 = 2.  
IF (AQ14A_2 = 14) AQ14A_2 = 5.  
IF (AQ14A_2 = 15) AQ14A_2 = 8.  
IF (AQ14A_2 = 16) AQ14A_2 = 11.
```

IF ((MISSING(AQ14B_2) NE 1)&(MISSING(AQ14A_2) = 1)) AQ14A_2 = 6.

*.
* OWNER #3 INITIAL INVESTMENT.

IF (AQ14A_3 = 13) AQ14A_3 = 2.

IF (AQ14A_3 = 14) AQ14A_3 = 5.

IF (AQ14A_3 = 15) AQ14A_3 = 8.

IF (AQ14A_3 = 16) AQ14A_3 = 11.

IF ((MISSING(AQ14B_3) NE 1)&(MISSING(AQ14A_3) = 1)) AQ14A_3 = 6.

*.
* OWNER #4 INITIAL INVESTMENT.

IF (AQ14A_4 = 13) AQ14A_4 = 2.

IF (AQ14A_4 = 14) AQ14A_4 = 5.

IF (AQ14A_4 = 15) AQ14A_4 = 8.

IF (AQ14A_4 = 16) AQ14A_4 = 11.

IF ((MISSING(AQ14B_4) NE 1)&(MISSING(AQ14A_4) = 1)) AQ14A_4 = 6.

*.
* OWNER #5 INITIAL INVESTMENT.

IF (AQ14A_5 = 13) AQ14A_5 = 2.

IF (AQ14A_5 = 14) AQ14A_5 = 5.

IF (AQ14A_5 = 15) AQ14A_5 = 8.

IF (AQ14A_5 = 16) AQ14A_5 = 11.

IF ((MISSING(AQ14B_5) NE 1)&(MISSING(AQ14A_5) = 1)) AQ14A_5 = 6.

*.
* FIRST FINANCIAL SUPPORT RECEIVED .

IF (AR2A = 13) AR2A = 2.

IF (AR2A = 14) AR2A = 5.

IF (AR2A = 15) AR2A = 8.

IF (AR2A = 16) AR2A = 11.

IF ((MISSING(AR2B) NE 1)&(MISSING(AR2A) = 1)) AR2A = 6.

*.
FREQ VAR AN16A_1 AN16A_2 AN16A_3
AQ14A_1 AQ14A_2 AQ14A_3 AQ14A_4 AQ14A_5
AR2A/
ORDER VARIABLES.

*.
*=====

*.
* ADJUST ALL WAVE B ITEMS.

*.
*=====

*.
* CHECK AND RESET ALL MONTH DATA TO APPROXIMATE ACTUAL MONTH.
* SEASON RESPONSES RECODED TO MODAL MONTH.
* IF YEAR BUT NO MONTH, MONTH SET TO JUNE.

*.
MISSING VALUES
BA8B BB9B BC3B BC5B BD3B BD4B BD7B BD8B BD10B
BD12B BD14B BD15B BD17B BD19B BD21B BD23B BD25B
BD27B BD29B BE2B BE4B BE6B BE8B BE12B BE14B
BE16B BE19B BE21B BE23B BE25B BE27B BE29B BE31B
BE33B BE35B BE37B
BG8B_1 BG8B_2 BG8B_3 BG8B_4 BG8B_5
BH9B_2 BH9B_3 BH9B_4 BH9B_5

BH18B_2 BH18B_3 BH18B_4 BH18B_5
BK7B_2 BK7B_3 BK7B_4 BK7B_5
BM16B_1 BM16B_2 BM16B_3
(9998 9999).

*.
*.

MISSING VALUES

BA8A BB9A BC3A BC5A BD3A BD4A BD7A BD8A BD10A
BD12A BD14A BD15A BD17A BD19A BD21A BD23A BD25A
BD27A BD29A BE2A BE4A BE6A BE8A BE12A BE14A
BE16A BE19A BE21A BE23A BE25A BE27A BE29A BE31A
BE33A BE35A BE37A
BG8A_1 BG8A_2 BG8A_3 BG8A_4 BG8A_5
BH9A_2 BH9A_3 BH9A_4 BH9A_5
BH18A_2 BH18A_3 BH18A_4 BH18A_5
BK7A_2 BK7A_3 BK7A_4 BK7A_5
BM16A_1 BM16A_2 BM16A_3 (98 99).

*.
*.

ADD VALUE LABEL

BA8A BB9A BC3A BC5A BD3A BD4A BD7A BD8A BD10A
BD12A BD14A BD15A BD17A BD19A BD21A BD23A BD25A
BD27A BD29A BE2A BE4A BE6A BE8A BE12A BE14A
BE16A BE19A BE21A BE23A BE25A BE27A BE29A BE31A
BE33A BE35A BE37A
BG8A_1 BG8A_2 BG8A_3 BG8A_4 BG8A_5
BH9A_2 BH9A_3 BH9A_4 BH9A_5
BH18A_2 BH18A_3 BH18A_4 BH18A_5
BK7A_2 BK7A_3 BK7A_4 BK7A_5
BM16A_1 BM16A_2 BM16A_3
17 'NOT COMPLETED'.

*.

FREQ VAR BA8A BB9A BC3A BC5A BD3A BD4A BD7A BD8A BD10A
BD12A BD14A BD15A BD17A BD19A BD21A BD23A BD25A
BD27A BD29A BE2A BE4A BE6A BE8A BE12A BE14A
BE16A BE19A BE21A BE23A BE25A BE27A BE29A BE31A
BE33A BE35A BE37A
BG8A_1 BG8A_2 BG8A_3 BG8A_4 BG8A_5
BH9A_2 BH9A_3 BH9A_4 BH9A_5
BH18A_2 BH18A_3 BH18A_4 BH18A_5
BK7A_2 BK7A_3 BK7A_4 BK7A_5
BM16A_1 BM16A_2 BM16A_3
/ORDER VARIABLES.

*.
*.

THINKING OF BUSINESS START-UP.

IF (BA8A = 13) BA8A = 2.
IF (BA8A = 14) BA8A = 5.
IF (BA8A = 15) BA8A = 8.
IF (BA8A = 16) BA8A = 11.
IF ((MISSING(BA8B) NE 1)&(MISSING(BA8A) = 1)) BA8A = 6.

*.

FIRST USED PHYSICAL SPACE.

IF (BB9A = 13) BB9A = 2.

IF (BB9A = 14) BB9A = 5.
IF (BB9A = 15) BB9A = 8.
IF (BB9A = 16) BB9A = 11.
IF ((MISSING(BB9B) NE 1)&(MISSING(BB9A) = 1)) BB9A = 6.

*.
* LEGAL FORM REGISTERED .

IF (BC3A = 13) BC3A = 2.
IF (BC3A = 14) BC3A = 5.
IF (BC3A = 15) BC3A = 8.
IF (BC3A = 16) BC3A = 11.
IF ((MISSING(BC3B) NE 1)&(MISSING(BC3A) = 1)) BC3A = 6.

*.
* LIABILITY INSURANCE PURCHASED .

IF (BC5A = 13) BC5A = 2.
IF (BC5A = 14) BC5A = 5.
IF (BC5A = 15) BC5A = 8.
IF (BC5A = 16) BC5A = 11.
IF ((MISSING(BC5B) NE 1)&(MISSING(BC5A) = 1)) BC5A = 6.

*.
* INITIATED PREPARATION OF A BUSINESS PLAN .

IF (BD3A = 13) BD3A = 2.
IF (BD3A = 14) BD3A = 5.
IF (BD3A = 15) BD3A = 8.
IF (BD3A = 16) BD3A = 11.
IF ((MISSING(BD3B) NE 1)&(MISSING(BD3A) = 1)) BD3A = 6.

*.
* COMPLETED PREPARATION OF A BUSINESS PLAN .

IF (BD4A = 13) BD4A = 2.
IF (BD4A = 14) BD4A = 5.
IF (BD4A = 15) BD4A = 8.
IF (BD4A = 16) BD4A = 11.
IF ((MISSING(BD4B) NE 1)&(MISSING(BD4A) = 1)) BD4A = 6.

*.
* INITIATED DEVELOPMENT OF PRODUCT/SERVICE .

IF (BD7A = 13) BD7A = 2.
IF (BD7A = 14) BD7A = 5.
IF (BD7A = 15) BD7A = 8.
IF (BD7A = 16) BD7A = 11.
IF ((MISSING(BD7B) NE 1)&(MISSING(BD7A) = 1)) BD7A = 6.

*.
* COMPLETED PRODUCT/SERVICE READY FOR SALE .

IF (BD8A = 13) BD8A = 2.
IF (BD8A = 14) BD8A = 5.
IF (BD8A = 15) BD8A = 8.
IF (BD8A = 16) BD8A = 11.
IF ((MISSING(BD8B) NE 1)&(MISSING(BD8A) = 1)) BD8A = 6.

*.
* PROMOTIONAL EFFORTS BEGAN .

IF (BD10A = 13) BD10A = 2.
IF (BD10A = 14) BD10A = 5.
IF (BD10A = 15) BD10A = 8.
IF (BD10A = 16) BD10A = 11.
IF ((MISSING(BD10B) NE 1)&(MISSING(BD10A) = 1)) BD10A = 6.

*.

* PROPRIETARY TECHNOLOGY FULLY DEVELOPED .

IF (BD12A = 13) BD12A = 2.

IF (BD12A = 14) BD12A = 5.

IF (BD12A = 15) BD12A = 8.

IF (BD12A = 16) BD12A = 11.

IF ((MISSING(BD12B) NE 1)&(MISSING(BD12A) = 1)) BD12A = 6.

*.

* INITIATED PATENT/COPYRIGHT APPLICATION PREPARATION.

IF (BD14A = 13) BD14A = 2.

IF (BD14A = 14) BD14A = 5.

IF (BD14A = 15) BD14A = 8.

IF (BD14A = 16) BD14A = 11.

IF ((MISSING(BD14B) NE 1)&(MISSING(BD14A) = 1)) BD14A = 6.

*.

* PATENT/COPYRIGHT GRANTED.

IF (BD15A = 13) BD15A = 2.

IF (BD15A = 14) BD15A = 5.

IF (BD15A = 15) BD15A = 8.

IF (BD15A = 16) BD15A = 11.

IF ((MISSING(BD15B) NE 1)&(MISSING(BD15A) = 1)) BD15A = 6.

*.

* BEGAN TO PURCHASE/LEASE MAJOR ITEMS.

IF (BD17A = 13) BD17A = 2.

IF (BD17A = 14) BD17A = 5.

IF (BD17A = 15) BD17A = 8.

IF (BD17A = 16) BD17A = 11.

IF ((MISSING(BD17B) NE 1)&(MISSING(BD17A) = 1)) BD17A = 6.

*.

* BEGAN TO PURCHASE MATERIALS/INVENTORY.

IF (BD19A = 13) BD19A = 2.

IF (BD19A = 14) BD19A = 5.

IF (BD19A = 15) BD19A = 8.

IF (BD19A = 16) BD19A = 11.

IF ((MISSING(BD19B) NE 1)&(MISSING(BD19A) = 1)) BD19A = 6.

*.

* BEGAN DISCUSSIONS WITH POTENTIAL CUSTOMERS.

IF (BD21A = 13) BD21A = 2.

IF (BD21A = 14) BD21A = 5.

IF (BD21A = 15) BD21A = 8.

IF (BD21A = 16) BD21A = 11.

IF ((MISSING(BD21B) NE 1)&(MISSING(BD21A) = 1)) BD21A = 6.

*.

* BEGAN COLLECTING INFORMATION ABOUT COMPETITORS.

IF (BD23A = 13) BD23A = 2.

IF (BD23A = 14) BD23A = 5.

IF (BD23A = 15) BD23A = 8.

IF (BD23A = 16) BD23A = 11.

IF ((MISSING(BD23B) NE 1)&(MISSING(BD23A) = 1)) BD23A = 6.

*.

* BEGAN DEFINING MARKET OPPORTUNITIES.

IF (BD25A = 13) BD25A = 2.

IF (BD25A = 14) BD25A = 5.

IF (BD25A = 15) BD25A = 8.

IF (BD25A = 16) BD25A = 11.

IF ((MISSING(BD25B) NE 1)&(MISSING(BD25A) = 1)) BD25A = 6.

*.

* BEGAN DEVELOPING FINANCIAL PROJECTIONS.

IF (BD27A = 13) BD27A = 2.

IF (BD27A = 14) BD27A = 5.

IF (BD27A = 15) BD27A = 8.

IF (BD27A = 16) BD27A = 11.

IF ((MISSING(BD27B) NE 1)&(MISSING(BD27A) = 1)) BD27A = 6.

*.

* COMPLETED DETERMINATION OF REGULATORY REQUIREMENTS.

IF (BD29A = 13) BD29A = 2.

IF (BD29A = 14) BD29A = 5.

IF (BD29A = 15) BD29A = 8.

IF (BD29A = 16) BD29A = 11.

IF ((MISSING(BD29B) NE 1)&(MISSING(BD29A) = 1)) BD29A = 6.

*.

* FIRST SOUGHT OUTSIDE FUNDING.

IF (BE2A = 13) BE2A = 2.

IF (BE2A = 14) BE2A = 5.

IF (BE2A = 15) BE2A = 8.

IF (BE2A = 16) BE2A = 11.

IF ((MISSING(BE2B) NE 1)&(MISSING(BE2A) = 1)) BE2A = 6.

*.

* FIRST OUTSIDE FUNDING OBTAINED.

IF (BE4A = 13) BE4A = 2.

IF (BE4A = 14) BE4A = 5.

IF (BE4A = 15) BE4A = 8.

IF (BE4A = 16) BE4A = 11.

IF ((MISSING(BE4B) NE 1)&(MISSING(BE4A) = 1)) BE4A = 6.

*.

* SUPPLIER CREDIT ESTABLISHED.

IF (BE6A = 13) BE6A = 2.

IF (BE6A = 14) BE6A = 5.

IF (BE6A = 15) BE6A = 8.

IF (BE6A = 16) BE6A = 11.

IF ((MISSING(BE6B) NE 1)&(MISSING(BE6A) = 1)) BE6A = 6.

*.

* FIRST PERSON HIRED.

IF (BE8A = 13) BE8A = 2.

IF (BE8A = 14) BE8A = 5.

IF (BE8A = 15) BE8A = 8.

IF (BE8A = 16) BE8A = 11.

IF ((MISSING(BE8B) NE 1)&(MISSING(BE8A) = 1)) BE8A = 6.

*.

* BUSINESS BANK ACCOUNT OPENED.

IF (BE12A = 13) BE12A = 2.

IF (BE12A = 14) BE12A = 5.

IF (BE12A = 15) BE12A = 8.

IF (BE12A = 16) BE12A = 11.

IF ((MISSING(BE12B) NE 1)&(MISSING(BE12A) = 1)) BE12A = 6.

*.

* FIRST INCOME RECEIVED .

IF (BE14A = 13) BE14A = 2.

IF (BE14A = 14) BE14A = 5.

IF (BE14A = 15) BE14A = 8.
IF (BE14A = 16) BE14A = 11.
IF ((MISSING(BE14B) NE 1)&(MISSING(BE14A) = 1)) BE14A = 6.

*.
* MONTHLY REVENUE FIRST EXCEEDED EXPENSES .

IF (BE16A = 13) BE16A = 2.
IF (BE16A = 14) BE16A = 5.
IF (BE16A = 15) BE16A = 8.
IF (BE16A = 16) BE16A = 11.
IF ((MISSING(BE16B) NE 1)&(MISSING(BE16A) = 1)) BE16A = 6.

*.
* ACCOUNTANT RETAINED FOR THE BUSINESS .

IF (BE19A = 13) BE19A = 2.
IF (BE19A = 14) BE19A = 5.
IF (BE19A = 15) BE19A = 8.
IF (BE19A = 16) BE19A = 11.
IF ((MISSING(BE19B) NE 1)&(MISSING(BE19A) = 1)) BE19A = 6.

*.
* LAWYER RETAINED FOR THE BUSINESS .

IF (BE21A = 13) BE21A = 2.
IF (BE21A = 14) BE21A = 5.
IF (BE21A = 15) BE21A = 8.
IF (BE21A = 16) BE21A = 11.
IF ((MISSING(BE21B) NE 1)&(MISSING(BE21A) = 1)) BE21A = 6.

*.
* JOINED TRADE ASSOCIATION.

IF (BE23A = 13) BE23A = 2.
IF (BE23A = 14) BE23A = 5.
IF (BE23A = 15) BE23A = 8.
IF (BE23A = 16) BE23A = 11.
IF ((MISSING(BE23B) NE 1)&(MISSING(BE23A) = 1)) BE23A = 6.

*.
* FIRST ESTABLISHED PHONE/INTERNET CONNECTION.

IF (BE25A = 13) BE25A = 2.
IF (BE25A = 14) BE25A = 5.
IF (BE25A = 15) BE25A = 8.
IF (BE25A = 16) BE25A = 11.
IF ((MISSING(BE25B) NE 1)&(MISSING(BE25A) = 1)) BE25A = 6.

*.
* APPLIED FOR FEDERAL EIN NUMBER .

IF (BE27A = 13) BE27A = 2.
IF (BE27A = 14) BE27A = 5.
IF (BE27A = 15) BE27A = 8.
IF (BE27A = 16) BE27A = 11.
IF ((MISSING(BE27B) NE 1)&(MISSING(BE27A) = 1)) BE27A = 6.

*.
* FIRST FILED FOR DBA [FICTIOUS] NAME WITH GOV AGENCY.

IF (BE29A = 13) BE29A = 2.
IF (BE29A = 14) BE29A = 5.
IF (BE29A = 15) BE29A = 8.
IF (BE29A = 16) BE29A = 11.
IF ((MISSING(BE29B) NE 1)&(MISSING(BE29A) = 1)) BE29A = 6.

*.
* PAID FIRST STATE UNEMPLOYMENT INSURANCE TAXES .

IF (BE31A = 13) BE31A = 2.
IF (BE31A = 14) BE31A = 5.
IF (BE31A = 15) BE31A = 8.
IF (BE31A = 16) BE31A = 11.
IF ((MISSING(BE31B) NE 1)&(MISSING(BE31A) = 1)) BE31A = 6.

*.
* PAID FIRST FEDERAL FICA [SOC SECURITY] TAXES .

IF (BE33A = 13) BE33A = 2.
IF (BE33A = 14) BE33A = 5.
IF (BE33A = 15) BE33A = 8.
IF (BE33A = 16) BE33A = 11.
IF ((MISSING(BE33B) NE 1)&(MISSING(BE33A) = 1)) BE33A = 6.

*.
* FILED FIRST FEDERAL INCOME TAX RETURN.

IF (BE35A = 13) BE35A = 2.
IF (BE35A = 14) BE35A = 5.
IF (BE35A = 15) BE35A = 8.
IF (BE35A = 16) BE35A = 11.
IF ((MISSING(BE35B) NE 1)&(MISSING(BE35A) = 1)) BE35A = 6.

*.
* FIRST TIME KNOW LISTED WITH DUN & BRADSTREET.

IF (BE37A = 13) BE37A = 2.
IF (BE37A = 14) BE37A = 5.
IF (BE37A = 15) BE37A = 8.
IF (BE37A = 16) BE37A = 11.
IF ((MISSING(BE37B) NE 1)&(MISSING(BE37A) = 1)) BE37A = 6.

*.
* DESCRIPTIVES VAR BE37A.

*.
* OWNER 1 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (BG8A_1 = 13) BG8A_1 = 2.
IF (BG8A_1 = 14) BG8A_1 = 5.
IF (BG8A_1 = 15) BG8A_1 = 8.
IF (BG8A_1 = 16) BG8A_1 = 11.
IF ((MISSING(BG8B_1) NE 1)&(MISSING(BG8A_1) = 1)) BG8A_1 = 6.

*.
* OWNER 2 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (BG8A_2 = 13) BG8A_2 = 2.
IF (BG8A_2 = 14) BG8A_2 = 5.
IF (BG8A_2 = 15) BG8A_2 = 8.
IF (BG8A_2 = 16) BG8A_2 = 11.
IF ((MISSING(BG8B_2) NE 1)&(MISSING(BG8A_2) = 1)) BG8A_2 = 6.

*.
* OWNER 3 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (BG8A_3 = 13) BG8A_3 = 2.
IF (BG8A_3 = 14) BG8A_3 = 5.
IF (BG8A_3 = 15) BG8A_3 = 8.
IF (BG8A_3 = 16) BG8A_3 = 11.
IF ((MISSING(BG8B_3) NE 1)&(MISSING(BG8A_3) = 1)) BG8A_3 = 6.

*.
* OWNER 4 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (BG8A_4 = 13) BG8A_4 = 2.
IF (BG8A_4 = 14) BG8A_4 = 5.
IF (BG8A_4 = 15) BG8A_4 = 8.

IF (BG8A_4 = 16) BG8A_4 = 11.
IF ((MISSING(BG8B_4) NE 1)&(MISSING(BG8A_4) = 1)) BG8A_4 = 6.

*.

* OWNER 5 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (BG8A_5 = 13) BG8A_5 = 2.
IF (BG8A_5 = 14) BG8A_5 = 5.
IF (BG8A_5 = 15) BG8A_5 = 8.
IF (BG8A_5 = 16) BG8A_5 = 11.
IF ((MISSING(BG8B_5) NE 1)&(MISSING(BG8A_5) = 1)) BG8A_5 = 6.

*.

*.

*.

*.

* OWNER 2 BEGAN WORKING FULL TIME FOR NEW BUSINESS .

IF (BH18A_2 = 13) BH18A_2 = 2.
IF (BH18A_2 = 14) BH18A_2 = 5.
IF (BH18A_2 = 15) BH18A_2 = 8.
IF (BH18A_2 = 16) BH18A_2 = 11.
IF ((MISSING(BH18B_2) NE 1)&(MISSING(BH18A_2) = 1)) BH18A_2 = 6.

*.

* OWNER 3 BEGAN WORKING FULL TIME FOR NEW BUSINESS .

IF (BH18A_3 = 13) BH18A_3 = 2.
IF (BH18A_3 = 14) BH18A_3 = 5.
IF (BH18A_3 = 15) BH18A_3 = 8.
IF (BH18A_3 = 16) BH18A_3 = 11.
IF ((MISSING(BH18B_3) NE 1)&(MISSING(BH18A_3) = 1)) BH18A_3 = 6.

*.

* OWNER 4 BEGAN WORKING FULL TIME FOR NEW BUSINESS .

IF (BH18A_4 = 13) BH18A_4 = 2.
IF (BH18A_4 = 14) BH18A_4 = 5.
IF (BH18A_4 = 15) BH18A_4 = 8.
IF (BH18A_4 = 16) BH18A_4 = 11.
IF ((MISSING(BH18B_4) NE 1)&(MISSING(BH18A_4) = 1)) BH18A_4 = 6.

*.

* OWNER 5 BEGAN WORKING FULL TIME FOR NEW BUSINESS .

IF (BH18A_5 = 13) BH18A_5 = 2.
IF (BH18A_5 = 14) BH18A_5 = 5.
IF (BH18A_5 = 15) BH18A_5 = 8.
IF (BH18A_5 = 16) BH18A_5 = 11.
IF ((MISSING(BH18B_5) NE 1)&(MISSING(BH18A_5) = 1)) BH18A_5 = 6.

*.

* OWNER 2 FIRST BECAME INVOLVED WITH START-UP TEAM.

IF (BH9A_2 = 13) BH9A_2 = 2.
IF (BH9A_2 = 14) BH9A_2 = 5.
IF (BH9A_2 = 15) BH9A_2 = 8.
IF (BH9A_2 = 16) BH9A_2 = 11.
IF ((MISSING(BH9B_2) NE 1)&(MISSING(BH9A_2) = 1)) BH9A_2 = 6.

*.

* OWNER 3 FIRST BECAME INVOLVED WITH START-UP TEAM.

IF (BH9A_3 = 13) BH9A_3 = 2.
IF (BH9A_3 = 14) BH9A_3 = 5.
IF (BH9A_3 = 15) BH9A_3 = 8.
IF (BH9A_3 = 16) BH9A_3 = 11.
IF ((MISSING(BH9B_3) NE 1)&(MISSING(BH9A_3) = 1)) BH9A_3 = 6.

*.

*.

* OWNER 4 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (BH9A_4 = 13) BH9A_4 = 2.
IF (BH9A_4 = 14) BH9A_4 = 5.
IF (BH9A_4 = 15) BH9A_4 = 8.
IF (BH9A_4 = 16) BH9A_4 = 11.
IF ((MISSING(BH9B_4) NE 1)&(MISSING(BH9A_4) = 1)) BH9A_4 = 6.
*.
* OWNER 5 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (BH9A_5 = 13) BH9A_5 = 2.
IF (BH9A_5 = 14) BH9A_5 = 5.
IF (BH9A_5 = 15) BH9A_5 = 8.
IF (BH9A_5 = 16) BH9A_5 = 11.
IF ((MISSING(BH9B_5) NE 1)&(MISSING(BH9A_5) = 1)) BH9A_5 = 6.
*.
* LEGAL ENTITY (OWNER 2) FIRST BECAME INVOLVED .
IF (BK7A_2 = 13) BK7A_2 = 2.
IF (BK7A_2 = 14) BK7A_2 = 5.
IF (BK7A_2 = 15) BK7A_2 = 8.
IF (BK7A_2 = 16) BK7A_2 = 11.
IF ((MISSING(BK7B_2) NE 1)&(MISSING(BK7A_2) = 1)) BK7A_2 = 6.
*.
* LEGAL ENTITY (OWNER 3) FIRST BECAME INVOLVED .
IF (BK7A_3 = 13) BK7A_3 = 2.
IF (BK7A_3 = 14) BK7A_3 = 5.
IF (BK7A_3 = 15) BK7A_3 = 8.
IF (BK7A_3 = 16) BK7A_3 = 11.
IF ((MISSING(BK7B_3) NE 1)&(MISSING(BK7A_3) = 1)) BK7A_3 = 6.
*.
* LEGAL ENTITY (OWNER 4) FIRST BECAME INVOLVED .
IF (BK7A_4 = 13) BK7A_4 = 2.
IF (BK7A_4 = 14) BK7A_4 = 5.
IF (BK7A_4 = 15) BK7A_4 = 8.
IF (BK7A_4 = 16) BK7A_4 = 11.
IF ((MISSING(BK7B_4) NE 1)&(MISSING(BK7A_4) = 1)) BK7A_4 = 6.
*.
* LEGAL ENTITY (OWNER 5) FIRST BECAME INVOLVED .
IF (BK7A_5 = 13) BK7A_5 = 2.
IF (BK7A_5 = 14) BK7A_5 = 5.
IF (BK7A_5 = 15) BK7A_5 = 8.
IF (BK7A_5 = 16) BK7A_5 = 11.
IF ((MISSING(BK7B_5) NE 1)&(MISSING(BK7A_5) = 1)) BK7A_5 = 6.
*.
* NON-OWNER 1 WORK FULL TIME ON START-UP TEAM .
IF (BM16A_1 = 13) BM16A_1 = 2.
IF (BM16A_1 = 14) BM16A_1 = 5.
IF (BM16A_1 = 15) BM16A_1 = 8.
IF (BM16A_1 = 16) BM16A_1 = 11.
IF ((MISSING(BM16B_1) NE 1)&(MISSING(BM16A_1) = 1)) BM16A_1 = 6.
*.
* NON-OWNER 2 WORK FULL TIME ON START-UP TEAM .
IF (BM16A_2 = 13) BM16A_2 = 2.
IF (BM16A_2 = 14) BM16A_2 = 5.
IF (BM16A_2 = 15) BM16A_2 = 8.
IF (BM16A_2 = 16) BM16A_2 = 11.


```

IF ((MISSING(BM16B_2) NE 1)&(MISSING(BM16A_2) = 1)) BM16A_2 = 6.
*.
* NON-OWNER 3 WORK FULL TIME ON START-UP TEAM .
IF (BM16A_3 = 13) BM16A_3 = 2.
IF (BM16A_3 = 14) BM16A_3 = 5.
IF (BM16A_3 = 15) BM16A_3 = 8.
IF (BM16A_3 = 16) BM16A_3 = 11.
IF ((MISSING(BM16B_3) NE 1)&(MISSING(BM16A_3) = 1)) BM16A_3 = 6.

```

```

FREQ VAR BA8A BB9A BC3A BC5A BD3A BD4A BD7A BD8A BD10A
BD12A BD14A BD15A BD17A BD19A BD21A BD23A BD25A
BD27A BD29A BE2A BE4A BE6A BE8A BE12A BE14A
BE16A BE19A BE21A BE23A BE25A BE27A BE29A BE31A
BE33A BE35A BE37A
BG8A_1 BG8A_2 BG8A_3 BG8A_4 BG8A_5
BH9A_2 BH9A_3 BH9A_4 BH9A_5
    BH18A_2 BH18A_3 BH18A_4 BH18A_5
BK7A_2 BK7A_3 BK7A_4 BK7A_5
BM16A_1 BM16A_2 BM16A_3
/ORDER VARIABLE.

```

```

*.
* ORIGINAL PROGRAMMING TOOK START-UP EVENTS FROM TWO FILES.
*.

```

MISSING VALUES

```

BQ14B_1 BQ14B_2 BQ14B_3 BQ14B_4 BQ14B_5
BR2B (9998 9999)
BQ14A_1 BQ14A_2 BQ14A_3 BQ14A_4 BQ14A_5
BR2A (98 99).

```

```

*.
ADD VALUE LABEL
    BQ14A_1 BQ14A_2 BQ14A_3 BQ14A_4 BQ14A_5
    BR2A
    17 'NOT COMPLETED'.

```

```

*.
FREQ VAR
    BQ14A_1 BQ14A_2 BQ14A_3 BQ14A_4 BQ14A_5
    BR2A
/ORDER VARIABLES.

```

```

*.
*.
*.
* OWNER #1 INITIAL INVESTMENT.

```

```

IF (BQ14A_1 = 13) BQ14A_1 = 2.
IF (BQ14A_1 = 14) BQ14A_1 = 5.
IF (BQ14A_1 = 15) BQ14A_1 = 8.
IF (BQ14A_1 = 16) BQ14A_1 = 11.
IF ((MISSING(BQ14B_1) NE 1)&(MISSING(BQ14A_1) = 1)) BQ14A_1 = 6.
*.

```

```

* OWNER #2 INITIAL INVESTMENT.

```

```

IF (BQ14A_2 = 13) BQ14A_2 = 2.
IF (BQ14A_2 = 14) BQ14A_2 = 5.
IF (BQ14A_2 = 15) BQ14A_2 = 8.
IF (BQ14A_2 = 16) BQ14A_2 = 11.
IF ((MISSING(BQ14B_2) NE 1)&(MISSING(BQ14A_2) = 1)) BQ14A_2 = 6.

```

*.
* OWNER #3 INITIAL INVESTMENT.
IF (BQ14A_3 = 13) BQ14A_3 = 2.
IF (BQ14A_3 = 14) BQ14A_3 = 5.
IF (BQ14A_3 = 15) BQ14A_3 = 8.
IF (BQ14A_3 = 16) BQ14A_3 = 11.
IF ((MISSING(BQ14B_3) NE 1)&(MISSING(BQ14A_3) = 1)) BQ14A_3 = 6.

*.
* OWNER #4 INITIAL INVESTMENT.
IF (BQ14A_4 = 13) BQ14A_4 = 2.
IF (BQ14A_4 = 14) BQ14A_4 = 5.
IF (BQ14A_4 = 15) BQ14A_4 = 8.
IF (BQ14A_4 = 16) BQ14A_4 = 11.
IF ((MISSING(BQ14B_4) NE 1)&(MISSING(BQ14A_4) = 1)) BQ14A_4 = 6.

*.
* OWNER #5 INITIAL INVESTMENT.
IF (BQ14A_5 = 13) BQ14A_5 = 2.
IF (BQ14A_5 = 14) BQ14A_5 = 5.
IF (BQ14A_5 = 15) BQ14A_5 = 8.
IF (BQ14A_5 = 16) BQ14A_5 = 11.
IF ((MISSING(BQ14B_5) NE 1)&(MISSING(BQ14A_5) = 1)) BQ14A_5 = 6.

*.
* FIRST FINANCIAL SUPPORT RECEIVED .
IF (BR2A = 13) BR2A = 2.
IF (BR2A = 14) BR2A = 5.
IF (BR2A = 15) BR2A = 8.
IF (BR2A = 16) BR2A = 11.
IF ((MISSING(BR2B) NE 1)&(MISSING(BR2A) = 1)) BR2A = 6.

*.
FREQ VAR
BQ14A_1 BQ14A_2 BQ14A_3 BQ14A_4 BQ14A_5
BR2A/
ORDER VARIABLES.

*.
*
*=====

*.
* ADJUST ALL WAVE C ITEMS.
*
*=====

*.
*
* CHECK AND RESET ALL MONTH DATA TO APPROXIMATE ACTUAL MONTH.
* SEASON RESPONSES RECODED TO MODAL MONTH.
* IF YEAR BUT NO MONTH, MONTH SET TO JUNE.

*.
* CHECK MISSING VALUES ON YEARS.

*.
MISSING VALUES
CA8B CB9B CC3B CC5B CD3B CD4B CD7B CD8B CD10B
CD12B CD14B CD15B CD17B CD19B CD21B CD23B CD25B
CD27B CD29B CE2B CE4B CE6B CE8B CE12B CE14B
CE16B CE19B CE21B CE23B CE25B CE27B CE29B CE31B
CE33B CE35B CE37B

CG8B_1 CG8B_2 CG8B_3 CG8B_4 CG8B_5
CH9B_2 CH9B_3 CH9B_4 CH9B_5
CH18B_2 CH18B_3 CH18B_4 CH18B_5
CK7B_2 CK7B_3 CK7B_4 CK7B_5
CM16B_1 CM16B_2 CM16B_3
(9998 9999).

*.

FREQ VAR CA8B CB9B CC3B CC5B CD3B CD4B CD7B CD8B CD10B
CD12B CD14B CD15B CD17B CD19B CD21B CD23B CD25B
CD27B CD29B CE2B CE4B CE6B CE8B CE12B CE14B
CE16B CE19B CE21B CE23B CE25B CE27B CE29B CE31B
CE33B CE35B CE37B
CG8B_1 CG8B_2 CG8B_3 CG8B_4 CG8B_5
CH9B_2 CH9B_3 CH9B_4 CH9B_5
CH18B_2 CH18B_3 CH18B_4 CH18B_5
CK7B_2 CK7B_3 CK7B_4 CK7B_5
CM16B_1 CM16B_2 CM16B_3
/ORDER VARIABLES.

*.

MISSING VALUES
CA8A CB9A CC3A CC5A CD3A CD4A CD7A CD8A CD10A
CD12A CD14A CD15A CD17A CD19A CD21A CD23A CD25A
CD27A CD29A CE2A CE4A CE6A CE8A CE12A CE14A
CE16A CE19A CE21A CE23A CE25A CE27A CE29A CE31A
CE33A CE35A CE37A
CG8A_1 CG8A_2 CG8A_3 CG8A_4 CG8A_5
CH9A_2 CH9A_3 CH9A_4 CH9A_5
CH18A_2 CH18A_3 CH18A_4 CH18A_5
CK7A_2 CK7A_3 CK7A_4 CK7A_5
CM16A_1 CM16A_2 CM16A_3 (98 99).

*.

*.

ADD VALUE LABEL
CA8A CB9A CC3A CC5A CD3A CD4A CD7A CD8A CD10A
CD12A CD14A CD15A CD17A CD19A CD21A CD23A CD25A
CD27A CD29A CE2A CE4A CE6A CE8A CE12A CE14A
CE16A CE19A CE21A CE23A CE25A CE27A CE29A CE31A
CE33A CE35A CE37A
CG8A_1 CG8A_2 CG8A_3 CG8A_4 CG8A_5
CH9A_2 CH9A_3 CH9A_4 CH9A_5
CH18A_2 CH18A_3 CH18A_4 CH18A_5
CK7A_2 CK7A_3 CK7A_4 CK7A_5
CM16A_1 CM16A_2 CM16A_3
17 'NOT COMPLETED'
98 'DK'
99 'NA'.

*.

FREQ VAR CA8A CB9A CC3A CC5A CD3A CD4A CD7A CD8A CD10A
CD12A CD14A CD15A CD17A CD19A CD21A CD23A CD25A
CD27A CD29A CE2A CE4A CE6A CE8A CE12A CE14A
CE16A CE19A CE21A CE23A CE25A CE27A CE29A CE31A
CE33A CE35A CE37A
CG8A_1 CG8A_2 CG8A_3 CG8A_4 CG8A_5
CH9A_2 CH9A_3 CH9A_4 CH9A_5

CH18A_2 CH18A_3 CH18A_4 CH18A_5
CK7A_2 CK7A_3 CK7A_4 CK7A_5
CM16A_1 CM16A_2 CM16A_3
/ORDER VARIABLES.

*.
*.

* THINKING OF BUSINESS START-UP.

IF (CA8A = 13) CA8A = 2.
IF (CA8A = 14) CA8A = 5.
IF (CA8A = 15) CA8A = 8.
IF (CA8A = 16) CA8A = 11.
IF ((MISSING(CA8B) NE 1)&(MISSING(CA8A) = 1)) CA8A = 6.

*.
*.

* FIRST USED PHYSICAL SPACE.

IF (CB9A = 13) CB9A = 2.
IF (CB9A = 14) CB9A = 5.
IF (CB9A = 15) CB9A = 8.
IF (CB9A = 16) CB9A = 11.
IF ((MISSING(CB9B) NE 1)&(MISSING(CB9A) = 1)) CB9A = 6.

*.
*.

* LEGAL FORM REGISTERED .

IF (CC3A = 13) CC3A = 2.
IF (CC3A = 14) CC3A = 5.
IF (CC3A = 15) CC3A = 8.
IF (CC3A = 16) CC3A = 11.
IF ((MISSING(CC3B) NE 1)&(MISSING(CC3A) = 1)) CC3A = 6.

*.
*.

* LIABILITY INSURANCE PURCHASED .

IF (CC5A = 13) CC5A = 2.
IF (CC5A = 14) CC5A = 5.
IF (CC5A = 15) CC5A = 8.
IF (CC5A = 16) CC5A = 11.
IF ((MISSING(CC5B) NE 1)&(MISSING(CC5A) = 1)) CC5A = 6.

*.
*.

* INITIATED PREPARATION OF A BUSINESS PLAN .

IF (CD3A = 13) CD3A = 2.
IF (CD3A = 14) CD3A = 5.
IF (CD3A = 15) CD3A = 8.
IF (CD3A = 16) CD3A = 11.
IF ((MISSING(CD3B) NE 1)&(MISSING(CD3A) = 1)) CD3A = 6.

*.
*.

* COMPLETED PREPARATION OF A BUSINESS PLAN .

IF (CD4A = 13) CD4A = 2.
IF (CD4A = 14) CD4A = 5.
IF (CD4A = 15) CD4A = 8.
IF (CD4A = 16) CD4A = 11.
IF ((MISSING(CD4B) NE 1)&(MISSING(CD4A) = 1)) CD4A = 6.

*.
*.

* INITIATED DEVELOPMENT OF PRODUCT/SERVICE .

IF (CD7A = 13) CD7A = 2.
IF (CD7A = 14) CD7A = 5.
IF (CD7A = 15) CD7A = 8.
IF (CD7A = 16) CD7A = 11.
IF ((MISSING(CD7B) NE 1)&(MISSING(CD7A) = 1)) CD7A = 6.

*.
* COMPLETED PRODUCT/SERVICE READY FOR SALE .
IF (CD8A = 13) CD8A = 2.
IF (CD8A = 14) CD8A = 5.
IF (CD8A = 15) CD8A = 8.
IF (CD8A = 16) CD8A = 11.
IF ((MISSING(CD8B) NE 1)&(MISSING(CD8A) = 1)) CD8A = 6.
*.
* PROMOTIONAL EFFORTS BEGAN .
IF (CD10A = 13) CD10A = 2.
IF (CD10A = 14) CD10A = 5.
IF (CD10A = 15) CD10A = 8.
IF (CD10A = 16) CD10A = 11.
IF ((MISSING(CD10B) NE 1)&(MISSING(CD10A) = 1)) CD10A = 6.
*.
* PROPRIETARY TECHNOLOGY FULLY DEVELOPED .
IF (CD12A = 13) CD12A = 2.
IF (CD12A = 14) CD12A = 5.
IF (CD12A = 15) CD12A = 8.
IF (CD12A = 16) CD12A = 11.
IF ((MISSING(CD12B) NE 1)&(MISSING(CD12A) = 1)) CD12A = 6.
*.
* INITIATED PATENT/COPYRIGHT APPLICATION PREPARATION.
IF (CD14A = 13) CD14A = 2.
IF (CD14A = 14) CD14A = 5.
IF (CD14A = 15) CD14A = 8.
IF (CD14A = 16) CD14A = 11.
IF ((MISSING(CD14B) NE 1)&(MISSING(CD14A) = 1)) CD14A = 6.
*.
* PATENT/COPYRIGHT GRANTED.
IF (CD15A = 13) CD15A = 2.
IF (CD15A = 14) CD15A = 5.
IF (CD15A = 15) CD15A = 8.
IF (CD15A = 16) CD15A = 11.
IF ((MISSING(CD15B) NE 1)&(MISSING(CD15A) = 1)) CD15A = 6.
*.
* BEGAN TO PURCHASE/LEASE MAJOR ITEMS.
IF (CD17A = 13) CD17A = 2.
IF (CD17A = 14) CD17A = 5.
IF (CD17A = 15) CD17A = 8.
IF (CD17A = 16) CD17A = 11.
IF ((MISSING(CD17B) NE 1)&(MISSING(CD17A) = 1)) CD17A = 6.
*.
* BEGAN TO PURCHASE MATERIALS/INVENTORY.
IF (CD19A = 13) CD19A = 2.
IF (CD19A = 14) CD19A = 5.
IF (CD19A = 15) CD19A = 8.
IF (CD19A = 16) CD19A = 11.
IF ((MISSING(CD19B) NE 1)&(MISSING(CD19A) = 1)) CD19A = 6.
*.
* BEGAN DISCUSSIONS WITH POTENTIAL CUSTOMERS.
IF (CD21A = 13) CD21A = 2.
IF (CD21A = 14) CD21A = 5.
IF (CD21A = 15) CD21A = 8.

IF (CD21A = 16) CD21A = 11.
IF ((MISSING(CD21B) NE 1)&(MISSING(CD21A) = 1)) CD21A = 6.
*.
* **BEGAN COLLECTING INFORMATION ABOUT COMPETITORS.**
IF (CD23A = 13) CD23A = 2.
IF (CD23A = 14) CD23A = 5.
IF (CD23A = 15) CD23A = 8.
IF (CD23A = 16) CD23A = 11.
IF ((MISSING(CD23B) NE 1)&(MISSING(CD23A) = 1)) CD23A = 6.
*.
* **BEGAN DEFINING MARKET OPPORTUNITIES.**
IF (CD25A = 13) CD25A = 2.
IF (CD25A = 14) CD25A = 5.
IF (CD25A = 15) CD25A = 8.
IF (CD25A = 16) CD25A = 11.
IF ((MISSING(CD25B) NE 1)&(MISSING(CD25A) = 1)) CD25A = 6.
*.
* **BEGAN DEVELOPING FINANCIAL PROJECTIONS.**
IF (CD27A = 13) CD27A = 2.
IF (CD27A = 14) CD27A = 5.
IF (CD27A = 15) CD27A = 8.
IF (CD27A = 16) CD27A = 11.
IF ((MISSING(CD27B) NE 1)&(MISSING(CD27A) = 1)) CD27A = 6.
*.
* **COMPLETED DETERMINATION OF REGULATORY REQUIREMENTS.**
IF (CD29A = 13) CD29A = 2.
IF (CD29A = 14) CD29A = 5.
IF (CD29A = 15) CD29A = 8.
IF (CD29A = 16) CD29A = 11.
IF ((MISSING(CD29B) NE 1)&(MISSING(CD29A) = 1)) CD29A = 6.
*.
* **FIRST SOUGHT OUTSIDE FUNDING.**
IF (CE2A = 13) CE2A = 2.
IF (CE2A = 14) CE2A = 5.
IF (CE2A = 15) CE2A = 8.
IF (CE2A = 16) CE2A = 11.
IF ((MISSING(CE2B) NE 1)&(MISSING(CE2A) = 1)) CE2A = 6.
*.
* **FIRST OUTSIDE FUNDING OBTAINED.**
IF (CE4A = 13) CE4A = 2.
IF (CE4A = 14) CE4A = 5.
IF (CE4A = 15) CE4A = 8.
IF (CE4A = 16) CE4A = 11.
IF ((MISSING(CE4B) NE 1)&(MISSING(CE4A) = 1)) CE4A = 6.
*.
* **SUPPLIER CREDIT ESTABLISHED.**
IF (CE6A = 13) CE6A = 2.
IF (CE6A = 14) CE6A = 5.
IF (CE6A = 15) CE6A = 8.
IF (CE6A = 16) CE6A = 11.
IF ((MISSING(CE6B) NE 1)&(MISSING(CE6A) = 1)) CE6A = 6.
*.
* **FIRST PERSON HIRED.**
IF (CE8A = 13) CE8A = 2.

IF (CE8A = 14) CE8A = 5.
 IF (CE8A = 15) CE8A = 8.
 IF (CE8A = 16) CE8A = 11.
 IF ((MISSING(CE8B) NE 1)&(MISSING(CE8A) = 1)) CE8A = 6.
 *.
 * BUSINESS BANK ACCOUNT OPENED.
 IF (CE12A = 13) CE12A = 2.
 IF (CE12A = 14) CE12A = 5.
 IF (CE12A = 15) CE12A = 8.
 IF (CE12A = 16) CE12A = 11.
 IF ((MISSING(CE12B) NE 1)&(MISSING(CE12A) = 1)) CE12A = 6.
 *.
 * FIRST INCOME RECEIVED .
 IF (CE14A = 13) CE14A = 2.
 IF (CE14A = 14) CE14A = 5.
 IF (CE14A = 15) CE14A = 8.
 IF (CE14A = 16) CE14A = 11.
 IF ((MISSING(CE14B) NE 1)&(MISSING(CE14A) = 1)) CE14A = 6.
 *.
 * MONTHLY REVENUE FIRST EXCEEDED EXPENSES .
 IF (CE16A = 13) CE16A = 2.
 IF (CE16A = 14) CE16A = 5.
 IF (CE16A = 15) CE16A = 8.
 IF (CE16A = 16) CE16A = 11.
 IF ((MISSING(CE16B) NE 1)&(MISSING(CE16A) = 1)) CE16A = 6.
 *.
 * ACCOUNTANT RETAINED FOR THE BUSINESS .
 IF (CE19A = 13) CE19A = 2.
 IF (CE19A = 14) CE19A = 5.
 IF (CE19A = 15) CE19A = 8.
 IF (CE19A = 16) CE19A = 11.
 IF ((MISSING(CE19B) NE 1)&(MISSING(CE19A) = 1)) CE19A = 6.
 *.
 * LAWYER RETAINED FOR THE BUSINESS .
 IF (CE21A = 13) CE21A = 2.
 IF (CE21A = 14) CE21A = 5.
 IF (CE21A = 15) CE21A = 8.
 IF (CE21A = 16) CE21A = 11.
 IF ((MISSING(CE21B) NE 1)&(MISSING(CE21A) = 1)) CE21A = 6.
 *.
 * JOINED TRADE ASSOCIATION.
 IF (CE23A = 13) CE23A = 2.
 IF (CE23A = 14) CE23A = 5.
 IF (CE23A = 15) CE23A = 8.
 IF (CE23A = 16) CE23A = 11.
 IF ((MISSING(CE23B) NE 1)&(MISSING(CE23A) = 1)) CE23A = 6.
 *.
 * FIRST ESTABLISHED PHONE/INTERNET CONNECTION.
 IF (CE25A = 13) CE25A = 2.
 IF (CE25A = 14) CE25A = 5.
 IF (CE25A = 15) CE25A = 8.
 IF (CE25A = 16) CE25A = 11.
 IF ((MISSING(CE25B) NE 1)&(MISSING(CE25A) = 1)) CE25A = 6.
 *.
 *

* APPLIED FOR FEDERAL EIN NUMBER .

IF (CE27A = 13) CE27A = 2.

IF (CE27A = 14) CE27A = 5.

IF (CE27A = 15) CE27A = 8.

IF (CE27A = 16) CE27A = 11.

IF ((MISSING(CE27B) NE 1)&(MISSING(CE27A) = 1)) CE27A = 6.

*.

* FIRST FILED FOR DBA [FICTIOUS] NAME WITH GOV AGENCY.

IF (CE29A = 13) CE29A = 2.

IF (CE29A = 14) CE29A = 5.

IF (CE29A = 15) CE29A = 8.

IF (CE29A = 16) CE29A = 11.

IF ((MISSING(CE29B) NE 1)&(MISSING(CE29A) = 1)) CE29A = 6.

*.

* PAID FIRST STATE UNEMPLOYMENT INSURANCE TAXES .

IF (CE31A = 13) CE31A = 2.

IF (CE31A = 14) CE31A = 5.

IF (CE31A = 15) CE31A = 8.

IF (CE31A = 16) CE31A = 11.

IF ((MISSING(CE31B) NE 1)&(MISSING(CE31A) = 1)) CE31A = 6.

*.

* PAID FIRST FEDERAL FICA [SOC SECURITY] TAXES .

IF (CE33A = 13) CE33A = 2.

IF (CE33A = 14) CE33A = 5.

IF (CE33A = 15) CE33A = 8.

IF (CE33A = 16) CE33A = 11.

IF ((MISSING(CE33B) NE 1)&(MISSING(CE33A) = 1)) CE33A = 6.

*.

* FILED FIRST FEDERAL INCOME TAX RETURN.

IF (CE35A = 13) CE35A = 2.

IF (CE35A = 14) CE35A = 5.

IF (CE35A = 15) CE35A = 8.

IF (CE35A = 16) CE35A = 11.

IF ((MISSING(CE35B) NE 1)&(MISSING(CE35A) = 1)) CE35A = 6.

*.

* FIRST TIME KNOW LISTED WITH DUN & BRADSTREET.

IF (CE37A = 13) CE37A = 2.

IF (CE37A = 14) CE37A = 5.

IF (CE37A = 15) CE37A = 8.

IF (CE37A = 16) CE37A = 11.

IF ((MISSING(CE37B) NE 1)&(MISSING(CE37A) = 1)) CE37A = 6.

*.

DESCRIPTIVES VAR CE37A.

*.

* OWNER 1 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (CG8A_1 = 13) CG8A_1 = 2.

IF (CG8A_1 = 14) CG8A_1 = 5.

IF (CG8A_1 = 15) CG8A_1 = 8.

IF (CG8A_1 = 16) CG8A_1 = 11.

IF ((MISSING(CG8B_1) NE 1)&(MISSING(CG8A_1) = 1)) CG8A_1 = 6.

*.

* OWNER 2 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (CG8A_2 = 13) CG8A_2 = 2.

IF (CG8A_2 = 14) CG8A_2 = 5.

IF (CG8A_2 = 15) CG8A_2 = 8.
IF (CG8A_2 = 16) CG8A_2 = 11.
IF ((MISSING(CG8B_2) NE 1)&(MISSING(CG8A_2) = 1)) CG8A_2 = 6.

*.
* OWNER 3 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (CG8A_3 = 13) CG8A_3 = 2.
IF (CG8A_3 = 14) CG8A_3 = 5.
IF (CG8A_3 = 15) CG8A_3 = 8.
IF (CG8A_3 = 16) CG8A_3 = 11.
IF ((MISSING(CG8B_3) NE 1)&(MISSING(CG8A_3) = 1)) CG8A_3 = 6.

*.
* OWNER 4 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (CG8A_4 = 13) CG8A_4 = 2.
IF (CG8A_4 = 14) CG8A_4 = 5.
IF (CG8A_4 = 15) CG8A_4 = 8.
IF (CG8A_4 = 16) CG8A_4 = 11.
IF ((MISSING(CG8B_4) NE 1)&(MISSING(CG8A_4) = 1)) CG8A_4 = 6.

*.
* OWNER 5 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (CG8A_5 = 13) CG8A_5 = 2.
IF (CG8A_5 = 14) CG8A_5 = 5.
IF (CG8A_5 = 15) CG8A_5 = 8.
IF (CG8A_5 = 16) CG8A_5 = 11.
IF ((MISSING(CG8B_5) NE 1)&(MISSING(CG8A_5) = 1)) CG8A_5 = 6.

*.
* OWNER 2 BEGAN WORKING FULL TIME FOR NEW BUSINESS .

IF (CH18A_2 = 13) CH18A_2 = 2.
IF (CH18A_2 = 14) CH18A_2 = 5.
IF (CH18A_2 = 15) CH18A_2 = 8.
IF (CH18A_2 = 16) CH18A_2 = 11.
IF ((MISSING(CH18B_2) NE 1)&(MISSING(CH18A_2) = 1)) CH18A_2 = 6.

*.
* OWNER 3 BEGAN WORKING FULL TIME FOR NEW BUSINESS .

IF (CH18A_3 = 13) CH18A_3 = 2.
IF (CH18A_3 = 14) CH18A_3 = 5.
IF (CH18A_3 = 15) CH18A_3 = 8.
IF (CH18A_3 = 16) CH18A_3 = 11.
IF ((MISSING(CH18B_3) NE 1)&(MISSING(CH18A_3) = 1)) CH18A_3 = 6.

*.
* OWNER 4 BEGAN WORKING FULL TIME FOR NEW BUSINESS .

IF (CH18A_4 = 13) CH18A_4 = 2.
IF (CH18A_4 = 14) CH18A_4 = 5.
IF (CH18A_4 = 15) CH18A_4 = 8.
IF (CH18A_4 = 16) CH18A_4 = 11.
IF ((MISSING(CH18B_4) NE 1)&(MISSING(CH18A_4) = 1)) CH18A_4 = 6.

*.
* OWNER 5 BEGAN WORKING FULL TIME FOR NEW BUSINESS .

IF (CH18A_5 = 13) CH18A_5 = 2.
IF (CH18A_5 = 14) CH18A_5 = 5.
IF (CH18A_5 = 15) CH18A_5 = 8.
IF (CH18A_5 = 16) CH18A_5 = 11.
IF ((MISSING(CH18B_5) NE 1)&(MISSING(CH18A_5) = 1)) CH18A_5 = 6.

*.
* OWNER 2 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (CH9A_2 = 13) CH9A_2 = 2.
IF (CH9A_2 = 14) CH9A_2 = 5.
IF (CH9A_2 = 15) CH9A_2 = 8.
IF (CH9A_2 = 16) CH9A_2 = 11.
IF ((MISSING(CH9B_2) NE 1)&(MISSING(CH9A_2) = 1)) CH9A_2 = 6.

*.
* OWNER 3 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (CH9A_3 = 13) CH9A_3 = 2.
IF (CH9A_3 = 14) CH9A_3 = 5.
IF (CH9A_3 = 15) CH9A_3 = 8.
IF (CH9A_3 = 16) CH9A_3 = 11.
IF ((MISSING(CH9B_3) NE 1)&(MISSING(CH9A_3) = 1)) CH9A_3 = 6.

*.
* OWNER 4 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (CH9A_4 = 13) CH9A_4 = 2.
IF (CH9A_4 = 14) CH9A_4 = 5.
IF (CH9A_4 = 15) CH9A_4 = 8.
IF (CH9A_4 = 16) CH9A_4 = 11.
IF ((MISSING(CH9B_4) NE 1)&(MISSING(CH9A_4) = 1)) CH9A_4 = 6.

*.
* OWNER 5 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (CH9A_5 = 13) CH9A_5 = 2.
IF (CH9A_5 = 14) CH9A_5 = 5.
IF (CH9A_5 = 15) CH9A_5 = 8.
IF (CH9A_5 = 16) CH9A_5 = 11.
IF ((MISSING(CH9B_5) NE 1)&(MISSING(CH9A_5) = 1)) CH9A_5 = 6.

*.
* LEGAL ENTITY (OWNER 2) FIRST BECAME INVOLVED .
IF (CK7A_2 = 13) CK7A_2 = 2.
IF (CK7A_2 = 14) CK7A_2 = 5.
IF (CK7A_2 = 15) CK7A_2 = 8.
IF (CK7A_2 = 16) CK7A_2 = 11.
IF ((MISSING(CK7B_2) NE 1)&(MISSING(CK7A_2) = 1)) CK7A_2 = 6.

*.
* LEGAL ENTITY (OWNER 3) FIRST BECAME INVOLVED .
IF (CK7A_3 = 13) CK7A_3 = 2.
IF (CK7A_3 = 14) CK7A_3 = 5.
IF (CK7A_3 = 15) CK7A_3 = 8.
IF (CK7A_3 = 16) CK7A_3 = 11.
IF ((MISSING(CK7B_3) NE 1)&(MISSING(CK7A_3) = 1)) CK7A_3 = 6.

*.
* LEGAL ENTITY (OWNER 4) FIRST BECAME INVOLVED .
IF (CK7A_4 = 13) CK7A_4 = 2.
IF (CK7A_4 = 14) CK7A_4 = 5.
IF (CK7A_4 = 15) CK7A_4 = 8.
IF (CK7A_4 = 16) CK7A_4 = 11.
IF ((MISSING(CK7B_4) NE 1)&(MISSING(CK7A_4) = 1)) CK7A_4 = 6.

*.
* LEGAL ENTITY (OWNER 5) FIRST BECAME INVOLVED .
IF (CK7A_5 = 13) CK7A_5 = 2.
IF (CK7A_5 = 14) CK7A_5 = 5.
IF (CK7A_5 = 15) CK7A_5 = 8.

```

IF (CK7A_5 = 16) CK7A_5 = 11.
IF ((MISSING(CK7B_5) NE 1)&(MISSING(CK7A_5) = 1)) CK7A_5 = 6.
*.
* NON-OWNER 1 WORK FULL TIME ON START-UP TEAM .
IF (CM16A_1 = 13) CM16A_1 = 2.
IF (CM16A_1 = 14) CM16A_1 = 5.
IF (CM16A_1 = 15) CM16A_1 = 8.
IF (CM16A_1 = 16) CM16A_1 = 11.
IF ((MISSING(CM16B_1) NE 1)&(MISSING(CM16A_1) = 1)) CM16A_1 = 6.
*.
* NON-OWNER 2 WORK FULL TIME ON START-UP TEAM .
IF (CM16A_2 = 13) CM16A_2 = 2.
IF (CM16A_2 = 14) CM16A_2 = 5.
IF (CM16A_2 = 15) CM16A_2 = 8.
IF (CM16A_2 = 16) CM16A_2 = 11.
IF ((MISSING(CM16B_2) NE 1)&(MISSING(CM16A_2) = 1)) CM16A_2 = 6.
*.
* NON-OWNER 3 WORK FULL TIME ON START-UP TEAM .
IF (CM16A_3 = 13) CM16A_3 = 2.
IF (CM16A_3 = 14) CM16A_3 = 5.
IF (CM16A_3 = 15) CM16A_3 = 8.
IF (CM16A_3 = 16) CM16A_3 = 11.
IF ((MISSING(CM16B_3) NE 1)&(MISSING(CM16A_3) = 1)) CM16A_3 = 6.

```

```

FREQ VAR CA8A CB9A CC3A CC5A CD3A CD4A CD7A CD8A CD10A
CD12A CD14A CD15A CD17A CD19A CD21A CD23A CD25A
CD27A CD29A CE2A CE4A CE6A CE8A CE12A CE14A
CE16A CE19A CE21A CE23A CE25A CE27A CE29A CE31A
CE33A CE35A CE37A
CG8A_1 CG8A_2 CG8A_3 CG8A_4 CG8A_5
CH9A_2 CH9A_3 CH9A_4 CH9A_5
CH18A_2 CH18A_3 CH18A_4 CH18A_5
CK7A_2 CK7A_3 CK7A_4 CK7A_5
CM16A_1 CM16A_2 CM16A_3
/ORDER VARIABLE.

```

```

*.
* ORIGINAL PROGRAMMING TOOK START-UP EVENTS FROM TWO FILES.
*.

```

```

MISSING VALUES
CQ14B_1 CQ14B_2 CQ14B_3 CQ14B_4 CQ14B_5
CR2B (9998 9999).

```

```

*.
FREQ VAR
CQ14B_1 CQ14B_2 CQ14B_3 CQ14B_4 CQ14B_5
CR2B.

```

```

*.
MISSING VALUES
CQ14A_1 CQ14A_2 CQ14A_3 CQ14A_4 CQ14A_5
CR2A (98 99).

```

```

*.
ADD VALUE LABEL
CQ14A_1 CQ14A_2 CQ14A_3 CQ14A_4 CQ14A_5
CR2A
17 'NOT COMPLETED'.

```

```
*.  
FREQ VAR  
  CQ14A_1 CQ14A_2 CQ14A_3 CQ14A_4 CQ14A_5  
  CR2A  
/ORDER VARIABLES.
```

```
*.  
*.  
*.  
*  
  OWNER #1 INITIAL INVESTMENT.  
IF (CQ14A_1 = 13) CQ14A_1 = 2.  
IF (CQ14A_1 = 14) CQ14A_1 = 5.  
IF (CQ14A_1 = 15) CQ14A_1 = 8.  
IF (CQ14A_1 = 16) CQ14A_1 = 11.  
IF ((MISSING(CQ14B_1) NE 1)&(MISSING(CQ14A_1) = 1)) CQ14A_1 = 6.
```

```
*.  
*  
  OWNER #2 INITIAL INVESTMENT.  
IF (CQ14A_2 = 13) CQ14A_2 = 2.  
IF (CQ14A_2 = 14) CQ14A_2 = 5.  
IF (CQ14A_2 = 15) CQ14A_2 = 8.  
IF (CQ14A_2 = 16) CQ14A_2 = 11.  
IF ((MISSING(CQ14B_2) NE 1)&(MISSING(CQ14A_2) = 1)) CQ14A_2 = 6.
```

```
*.  
*  
  OWNER #3 INITIAL INVESTMENT.  
IF (CQ14A_3 = 13) CQ14A_3 = 2.  
IF (CQ14A_3 = 14) CQ14A_3 = 5.  
IF (CQ14A_3 = 15) CQ14A_3 = 8.  
IF (CQ14A_3 = 16) CQ14A_3 = 11.  
IF ((MISSING(CQ14B_3) NE 1)&(MISSING(CQ14A_3) = 1)) CQ14A_3 = 6.
```

```
*.  
*  
  OWNER #4 INITIAL INVESTMENT.  
IF (CQ14A_4 = 13) CQ14A_4 = 2.  
IF (CQ14A_4 = 14) CQ14A_4 = 5.  
IF (CQ14A_4 = 15) CQ14A_4 = 8.  
IF (CQ14A_4 = 16) CQ14A_4 = 11.  
IF ((MISSING(CQ14B_4) NE 1)&(MISSING(CQ14A_4) = 1)) CQ14A_4 = 6.
```

```
*.  
*  
  OWNER #5 INITIAL INVESTMENT.  
IF (CQ14A_5 = 13) CQ14A_5 = 2.  
IF (CQ14A_5 = 14) CQ14A_5 = 5.  
IF (CQ14A_5 = 15) CQ14A_5 = 8.  
IF (CQ14A_5 = 16) CQ14A_5 = 11.  
IF ((MISSING(CQ14B_5) NE 1)&(MISSING(CQ14A_5) = 1)) CQ14A_5 = 6.
```

```
*.  
*  
  FIRST FINANCIAL SUPPORT RECEIVED .  
IF (CR2A = 13) CR2A = 2.  
IF (CR2A = 14) CR2A = 5.  
IF (CR2A = 15) CR2A = 8.  
IF (CR2A = 16) CR2A = 11.  
IF ((MISSING(CR2B) NE 1)&(MISSING(CR2A) = 1)) CR2A = 6.
```

```
*.  
FREQ VAR  
  CQ14A_1 CQ14A_2 CQ14A_3 CQ14A_4 CQ14A_5  
  CR2A/  
ORDER VARIABLES.
```


DA8A DB9A DC3A DC5A DD3A DD4A DD7A DD8A DD10A
DD12A DD14A DD15A DD17A DD19A DD21A DD23A DD25A
DD27A DD29A DE2A DE4A DE6A DE8A DE12A DE14A
DE16A DE19A DE21A DE23A DE25A DE27A DE29A DE31A
DE33A DE35A DE37A
DG8A_1 DG8A_2 DG8A_3 DG8A_4 DG8A_5
DH9A_2 DH9A_3 DH9A_4 DH9A_5
 DH18A_2 DH18A_3 DH18A_4 DH18A_5
DK7A_2 DK7A_3 DK7A_4 DK7A_5
DM16A_1 DM16A_2 DM16A_3
17 'NOT COMPLETED'
98 'DK'
99 'NA'.

*.

FREQ VAR DA8A DB9A DC3A DC5A DD3A DD4A DD7A DD8A DD10A
DD12A DD14A DD15A DD17A DD19A DD21A DD23A DD25A
DD27A DD29A DE2A DE4A DE6A DE8A DE12A DE14A
DE16A DE19A DE21A DE23A DE25A DE27A DE29A DE31A
DE33A DE35A DE37A
DG8A_1 DG8A_2 DG8A_3 DG8A_4 DG8A_5
DH9A_2 DH9A_3 DH9A_4 DH9A_5
 DH18A_2 DH18A_3 DH18A_4 DH18A_5
DK7A_2 DK7A_3 DK7A_4 DK7A_5
DM16A_1 DM16A_2 DM16A_3
/ORDER VARIABLES.

*.

*.

*.

THINKING OF BUSINESS START-UP.

IF (DA8A = 13) DA8A = 2.
IF (DA8A = 14) DA8A = 5.
IF (DA8A = 15) DA8A = 8.
IF (DA8A = 16) DA8A = 11.
IF ((MISSING(DA8B) NE 1)&(MISSING(DA8A) = 1)) DA8A = 6.

*.

*.

FIRST USED PHYSICAL SPACE.

IF (DB9A = 13) DB9A = 2.
IF (DB9A = 14) DB9A = 5.
IF (DB9A = 15) DB9A = 8.
IF (DB9A = 16) DB9A = 11.
IF ((MISSING(DB9B) NE 1)&(MISSING(DB9A) = 1)) DB9A = 6.

*.

*.

LEGAL FORM REGISTERED .

IF (DC3A = 13) DC3A = 2.
IF (DC3A = 14) DC3A = 5.
IF (DC3A = 15) DC3A = 8.
IF (DC3A = 16) DC3A = 11.
IF ((MISSING(DC3B) NE 1)&(MISSING(DC3A) = 1)) DC3A = 6.

*.

*.

LIABILITY INSURANCE PURCHASED .

IF (DC5A = 13) DC5A = 2.
IF (DC5A = 14) DC5A = 5.
IF (DC5A = 15) DC5A = 8.
IF (DC5A = 16) DC5A = 11.
IF ((MISSING(DC5B) NE 1)&(MISSING(DC5A) = 1)) DC5A = 6.

*.
* INITIATED PREPARATION OF A BUSINESS PLAN .
IF (DD3A = 13) DD3A = 2.
IF (DD3A = 14) DD3A = 5.
IF (DD3A = 15) DD3A = 8.
IF (DD3A = 16) DD3A = 11.
IF ((MISSING(DD3B) NE 1)&(MISSING(DD3A) = 1)) DD3A = 6.
*.
* COMPLETED PREPARATION OF A BUSINESS PLAN .
IF (DD4A = 13) DD4A = 2.
IF (DD4A = 14) DD4A = 5.
IF (DD4A = 15) DD4A = 8.
IF (DD4A = 16) DD4A = 11.
IF ((MISSING(DD4B) NE 1)&(MISSING(DD4A) = 1)) DD4A = 6.
*.
* INITIATED DEVELOPMENT OF PRODUCT/SERVICE .
IF (DD7A = 13) DD7A = 2.
IF (DD7A = 14) DD7A = 5.
IF (DD7A = 15) DD7A = 8.
IF (DD7A = 16) DD7A = 11.
IF ((MISSING(DD7B) NE 1)&(MISSING(DD7A) = 1)) DD7A = 6.
*.
* COMPLETED PRODUCT/SERVICE READY FOR SALE .
IF (DD8A = 13) DD8A = 2.
IF (DD8A = 14) DD8A = 5.
IF (DD8A = 15) DD8A = 8.
IF (DD8A = 16) DD8A = 11.
IF ((MISSING(DD8B) NE 1)&(MISSING(DD8A) = 1)) DD8A = 6.
*.
* PROMOTIONAL EFFORTS BEGAN .
IF (DD10A = 13) DD10A = 2.
IF (DD10A = 14) DD10A = 5.
IF (DD10A = 15) DD10A = 8.
IF (DD10A = 16) DD10A = 11.
IF ((MISSING(DD10B) NE 1)&(MISSING(DD10A) = 1)) DD10A = 6.
*.
* PROPRIETARY TECHNOLOGY FULLY DEVELOPED .
IF (DD12A = 13) DD12A = 2.
IF (DD12A = 14) DD12A = 5.
IF (DD12A = 15) DD12A = 8.
IF (DD12A = 16) DD12A = 11.
IF ((MISSING(DD12B) NE 1)&(MISSING(DD12A) = 1)) DD12A = 6.
*.
* INITIATED PATENT/COPYRIGHT APPLIDATION PREPARATION.
IF (DD14A = 13) DD14A = 2.
IF (DD14A = 14) DD14A = 5.
IF (DD14A = 15) DD14A = 8.
IF (DD14A = 16) DD14A = 11.
IF ((MISSING(DD14B) NE 1)&(MISSING(DD14A) = 1)) DD14A = 6.
*.
* PATENT/COPYRIGHT GRANTED.
IF (DD15A = 13) DD15A = 2.
IF (DD15A = 14) DD15A = 5.
IF (DD15A = 15) DD15A = 8.

IF (DD15A = 16) DD15A = 11.
IF ((MISSING(DD15B) NE 1)&(MISSING(DD15A) = 1)) DD15A = 6.

*.
* BEGAN TO PURCHASE/LEASE MAJOR ITEMS.

IF (DD17A = 13) DD17A = 2.
IF (DD17A = 14) DD17A = 5.
IF (DD17A = 15) DD17A = 8.
IF (DD17A = 16) DD17A = 11.
IF ((MISSING(DD17B) NE 1)&(MISSING(DD17A) = 1)) DD17A = 6.

*.
* BEGAN TO PURCHASE MATERIALS/INVENTORY.

IF (DD19A = 13) DD19A = 2.
IF (DD19A = 14) DD19A = 5.
IF (DD19A = 15) DD19A = 8.
IF (DD19A = 16) DD19A = 11.
IF ((MISSING(DD19B) NE 1)&(MISSING(DD19A) = 1)) DD19A = 6.

*.
* BEGAN DISCUSSIONS WITH POTENTIAL CUSTOMERS.

IF (DD21A = 13) DD21A = 2.
IF (DD21A = 14) DD21A = 5.
IF (DD21A = 15) DD21A = 8.
IF (DD21A = 16) DD21A = 11.
IF ((MISSING(DD21B) NE 1)&(MISSING(DD21A) = 1)) DD21A = 6.

*.
* BEGAN COLLECTING INFORMATION ABOUT COMPETITORS.

IF (DD23A = 13) DD23A = 2.
IF (DD23A = 14) DD23A = 5.
IF (DD23A = 15) DD23A = 8.
IF (DD23A = 16) DD23A = 11.
IF ((MISSING(DD23B) NE 1)&(MISSING(DD23A) = 1)) DD23A = 6.

*.
* BEGAN DEFINING MARKET OPPORTUNITIES.

IF (DD25A = 13) DD25A = 2.
IF (DD25A = 14) DD25A = 5.
IF (DD25A = 15) DD25A = 8.
IF (DD25A = 16) DD25A = 11.
IF ((MISSING(DD25B) NE 1)&(MISSING(DD25A) = 1)) DD25A = 6.

*.
* BEGAN DEVELOPING FINANCIAL PROJECTIONS.

IF (DD27A = 13) DD27A = 2.
IF (DD27A = 14) DD27A = 5.
IF (DD27A = 15) DD27A = 8.
IF (DD27A = 16) DD27A = 11.
IF ((MISSING(DD27B) NE 1)&(MISSING(DD27A) = 1)) DD27A = 6.

*.
* COMPLETED DETERMINATION OF REGULATORY REQUIREMENTS.

IF (DD29A = 13) DD29A = 2.
IF (DD29A = 14) DD29A = 5.
IF (DD29A = 15) DD29A = 8.
IF (DD29A = 16) DD29A = 11.
IF ((MISSING(DD29B) NE 1)&(MISSING(DD29A) = 1)) DD29A = 6.

*.
* FIRST SOUGHT OUTSIDE FUNDING.

IF (DE2A = 13) DE2A = 2.

IF (DE2A = 14) DE2A = 5.
IF (DE2A = 15) DE2A = 8.
IF (DE2A = 16) DE2A = 11.
IF ((MISSING(DE2B) NE 1)&(MISSING(DE2A) = 1)) DE2A = 6.

*.
* FIRST OUTSIDE FUNDING OBTAINED.

IF (DE4A = 13) DE4A = 2.
IF (DE4A = 14) DE4A = 5.
IF (DE4A = 15) DE4A = 8.
IF (DE4A = 16) DE4A = 11.
IF ((MISSING(DE4B) NE 1)&(MISSING(DE4A) = 1)) DE4A = 6.

*.
* SUPPLIER CREDIT ESTABLISHED.

IF (DE6A = 13) DE6A = 2.
IF (DE6A = 14) DE6A = 5.
IF (DE6A = 15) DE6A = 8.
IF (DE6A = 16) DE6A = 11.
IF ((MISSING(DE6B) NE 1)&(MISSING(DE6A) = 1)) DE6A = 6.

*.
* FIRST PERSON HIRED.

IF (DE8A = 13) DE8A = 2.
IF (DE8A = 14) DE8A = 5.
IF (DE8A = 15) DE8A = 8.
IF (DE8A = 16) DE8A = 11.
IF ((MISSING(DE8B) NE 1)&(MISSING(DE8A) = 1)) DE8A = 6.

*.
* BUSINESS BANK ADACOUNT OPENED.

IF (DE12A = 13) DE12A = 2.
IF (DE12A = 14) DE12A = 5.
IF (DE12A = 15) DE12A = 8.
IF (DE12A = 16) DE12A = 11.
IF ((MISSING(DE12B) NE 1)&(MISSING(DE12A) = 1)) DE12A = 6.

*.
* FIRST INCOME RECEIVED .

IF (DE14A = 13) DE14A = 2.
IF (DE14A = 14) DE14A = 5.
IF (DE14A = 15) DE14A = 8.
IF (DE14A = 16) DE14A = 11.
IF ((MISSING(DE14B) NE 1)&(MISSING(DE14A) = 1)) DE14A = 6.

*.
* MONTHLY REVENUE FIRST EXCEEDED EXPENSES .

IF (DE16A = 13) DE16A = 2.
IF (DE16A = 14) DE16A = 5.
IF (DE16A = 15) DE16A = 8.
IF (DE16A = 16) DE16A = 11.
IF ((MISSING(DE16B) NE 1)&(MISSING(DE16A) = 1)) DE16A = 6.

*.
* ACCOUNTANT RETAINED FOR THE BUSINESS .

IF (DE19A = 13) DE19A = 2.
IF (DE19A = 14) DE19A = 5.
IF (DE19A = 15) DE19A = 8.
IF (DE19A = 16) DE19A = 11.
IF ((MISSING(DE19B) NE 1)&(MISSING(DE19A) = 1)) DE19A = 6.

*.

* LAWYER RETAINED FOR THE BUSINESS .

IF (DE21A = 13) DE21A = 2.
IF (DE21A = 14) DE21A = 5.
IF (DE21A = 15) DE21A = 8.
IF (DE21A = 16) DE21A = 11.
IF ((MISSING(DE21B) NE 1)&(MISSING(DE21A) = 1)) DE21A = 6.

*.

* JOINED TRADE ASSOCIATION.

IF (DE23A = 13) DE23A = 2.
IF (DE23A = 14) DE23A = 5.
IF (DE23A = 15) DE23A = 8.
IF (DE23A = 16) DE23A = 11.
IF ((MISSING(DE23B) NE 1)&(MISSING(DE23A) = 1)) DE23A = 6.

*.

* FIRST ESTABLISHED PHONE/INTERNET CONNECTION.

IF (DE25A = 13) DE25A = 2.
IF (DE25A = 14) DE25A = 5.
IF (DE25A = 15) DE25A = 8.
IF (DE25A = 16) DE25A = 11.
IF ((MISSING(DE25B) NE 1)&(MISSING(DE25A) = 1)) DE25A = 6.

*.

* APPLIED FOR FEDERAL EIN NUMBER .

IF (DE27A = 13) DE27A = 2.
IF (DE27A = 14) DE27A = 5.
IF (DE27A = 15) DE27A = 8.
IF (DE27A = 16) DE27A = 11.
IF ((MISSING(DE27B) NE 1)&(MISSING(DE27A) = 1)) DE27A = 6.

*.

* FIRST FILED FOR DBA [FICTIOUS] NAME WITH GOV AGENCY.

IF (DE29A = 13) DE29A = 2.
IF (DE29A = 14) DE29A = 5.
IF (DE29A = 15) DE29A = 8.
IF (DE29A = 16) DE29A = 11.
IF ((MISSING(DE29B) NE 1)&(MISSING(DE29A) = 1)) DE29A = 6.

*.

* PAID FIRST STATE UNEMPLOYMENT INSURANCE TAXES .

IF (DE31A = 13) DE31A = 2.
IF (DE31A = 14) DE31A = 5.
IF (DE31A = 15) DE31A = 8.
IF (DE31A = 16) DE31A = 11.
IF ((MISSING(DE31B) NE 1)&(MISSING(DE31A) = 1)) DE31A = 6.

*.

* PAID FIRST FEDERAL FIDA [SOC SECURITY] TAXES .

IF (DE33A = 13) DE33A = 2.
IF (DE33A = 14) DE33A = 5.
IF (DE33A = 15) DE33A = 8.
IF (DE33A = 16) DE33A = 11.
IF ((MISSING(DE33B) NE 1)&(MISSING(DE33A) = 1)) DE33A = 6.

*.

* FILED FIRST FEDERAL INCOME TAX RETURN.

IF (DE35A = 13) DE35A = 2.
IF (DE35A = 14) DE35A = 5.
IF (DE35A = 15) DE35A = 8.
IF (DE35A = 16) DE35A = 11.

IF ((MISSING(DE35B) NE 1)&(MISSING(DE35A) = 1)) DE35A = 6.
*.
* FIRST TIME KNOW LISTED WITH DUN & BRADSTREET.
IF (DE37A = 13) DE37A = 2.
IF (DE37A = 14) DE37A = 5.
IF (DE37A = 15) DE37A = 8.
IF (DE37A = 16) DE37A = 11.
IF ((MISSING(DE37B) NE 1)&(MISSING(DE37A) = 1)) DE37A = 6.

*.
DESCRIPTIVES VAR DE37A.

*.
* OWNER 1 SIGNED OWNERSHIP SHARES AGREEMENT .
IF (DG8A_1 = 13) DG8A_1 = 2.
IF (DG8A_1 = 14) DG8A_1 = 5.
IF (DG8A_1 = 15) DG8A_1 = 8.
IF (DG8A_1 = 16) DG8A_1 = 11.
IF ((MISSING(DG8B_1) NE 1)&(MISSING(DG8A_1) = 1)) DG8A_1 = 6.

*.
* OWNER 2 SIGNED OWNERSHIP SHARES AGREEMENT .
IF (DG8A_2 = 13) DG8A_2 = 2.
IF (DG8A_2 = 14) DG8A_2 = 5.
IF (DG8A_2 = 15) DG8A_2 = 8.
IF (DG8A_2 = 16) DG8A_2 = 11.
IF ((MISSING(DG8B_2) NE 1)&(MISSING(DG8A_2) = 1)) DG8A_2 = 6.

*.
* OWNER 3 SIGNED OWNERSHIP SHARES AGREEMENT .
IF (DG8A_3 = 13) DG8A_3 = 2.
IF (DG8A_3 = 14) DG8A_3 = 5.
IF (DG8A_3 = 15) DG8A_3 = 8.
IF (DG8A_3 = 16) DG8A_3 = 11.
IF ((MISSING(DG8B_3) NE 1)&(MISSING(DG8A_3) = 1)) DG8A_3 = 6.

*.
* OWNER 4 SIGNED OWNERSHIP SHARES AGREEMENT .
IF (DG8A_4 = 13) DG8A_4 = 2.
IF (DG8A_4 = 14) DG8A_4 = 5.
IF (DG8A_4 = 15) DG8A_4 = 8.
IF (DG8A_4 = 16) DG8A_4 = 11.
IF ((MISSING(DG8B_4) NE 1)&(MISSING(DG8A_4) = 1)) DG8A_4 = 6.

*.
* OWNER 5 SIGNED OWNERSHIP SHARES AGREEMENT .
IF (DG8A_5 = 13) DG8A_5 = 2.
IF (DG8A_5 = 14) DG8A_5 = 5.
IF (DG8A_5 = 15) DG8A_5 = 8.
IF (DG8A_5 = 16) DG8A_5 = 11.
IF ((MISSING(DG8B_5) NE 1)&(MISSING(DG8A_5) = 1)) DG8A_5 = 6.

*.
* OWNER 2 BEGAN WORKING FULL TIME FOR NEW BUSINESS .
IF (DH18A_2 = 13) DH18A_2 = 2.
IF (DH18A_2 = 14) DH18A_2 = 5.
IF (DH18A_2 = 15) DH18A_2 = 8.
IF (DH18A_2 = 16) DH18A_2 = 11.
IF ((MISSING(DH18B_2) NE 1)&(MISSING(DH18A_2) = 1)) DH18A_2 = 6.

```

*.
* OWNER 3 BEGAN WORKING FULL TIME FOR NEW BUSINESS .
IF (DH18A_3 = 13) DH18A_3 = 2.
IF (DH18A_3 = 14) DH18A_3 = 5.
IF (DH18A_3 = 15) DH18A_3 = 8.
IF (DH18A_3 = 16) DH18A_3 = 11.
IF ((MISSING(DH18B_3) NE 1)&(MISSING(DH18A_3) = 1)) DH18A_3 = 6.
*.
* OWNER 4 BEGAN WORKING FULL TIME FOR NEW BUSINESS .
IF (DH18A_4 = 13) DH18A_4 = 2.
IF (DH18A_4 = 14) DH18A_4 = 5.
IF (DH18A_4 = 15) DH18A_4 = 8.
IF (DH18A_4 = 16) DH18A_4 = 11.
IF ((MISSING(DH18B_4) NE 1)&(MISSING(DH18A_4) = 1)) DH18A_4 = 6.
*.
* OWNER 5 BEGAN WORKING FULL TIME FOR NEW BUSINESS .
IF (DH18A_5 = 13) DH18A_5 = 2.
IF (DH18A_5 = 14) DH18A_5 = 5.
IF (DH18A_5 = 15) DH18A_5 = 8.
IF (DH18A_5 = 16) DH18A_5 = 11.
IF ((MISSING(DH18B_5) NE 1)&(MISSING(DH18A_5) = 1)) DH18A_5 = 6.
*.
* OWNER 2 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (DH9A_2 = 13) DH9A_2 = 2.
IF (DH9A_2 = 14) DH9A_2 = 5.
IF (DH9A_2 = 15) DH9A_2 = 8.
IF (DH9A_2 = 16) DH9A_2 = 11.
IF ((MISSING(DH9B_2) NE 1)&(MISSING(DH9A_2) = 1)) DH9A_2 = 6.
*.
* OWNER 3 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (DH9A_3 = 13) DH9A_3 = 2.
IF (DH9A_3 = 14) DH9A_3 = 5.
IF (DH9A_3 = 15) DH9A_3 = 8.
IF (DH9A_3 = 16) DH9A_3 = 11.
IF ((MISSING(DH9B_3) NE 1)&(MISSING(DH9A_3) = 1)) DH9A_3 = 6.
*.
* OWNER 4 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (DH9A_4 = 13) DH9A_4 = 2.
IF (DH9A_4 = 14) DH9A_4 = 5.
IF (DH9A_4 = 15) DH9A_4 = 8.
IF (DH9A_4 = 16) DH9A_4 = 11.
IF ((MISSING(DH9B_4) NE 1)&(MISSING(DH9A_4) = 1)) DH9A_4 = 6.
*.
* OWNER 5 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (DH9A_5 = 13) DH9A_5 = 2.
IF (DH9A_5 = 14) DH9A_5 = 5.
IF (DH9A_5 = 15) DH9A_5 = 8.
IF (DH9A_5 = 16) DH9A_5 = 11.
IF ((MISSING(DH9B_5) NE 1)&(MISSING(DH9A_5) = 1)) DH9A_5 = 6.
*.
* LEGAL ENTITY (OWNER 2) FIRST BECAME INVOLVED .
IF (DK7A_2 = 13) DK7A_2 = 2.
IF (DK7A_2 = 14) DK7A_2 = 5.
IF (DK7A_2 = 15) DK7A_2 = 8.

```

IF (DK7A_2 = 16) DK7A_2 = 11.
 IF ((MISSING(DK7B_2) NE 1)&(MISSING(DK7A_2) = 1)) DK7A_2 = 6.
 *.
 * LEGAL ENTITY (OWNER 3) FIRST BECAME INVOLVED .
 IF (DK7A_3 = 13) DK7A_3 = 2.
 IF (DK7A_3 = 14) DK7A_3 = 5.
 IF (DK7A_3 = 15) DK7A_3 = 8.
 IF (DK7A_3 = 16) DK7A_3 = 11.
 IF ((MISSING(DK7B_3) NE 1)&(MISSING(DK7A_3) = 1)) DK7A_3 = 6.
 *.
 * LEGAL ENTITY (OWNER 4) FIRST BECAME INVOLVED .
 IF (DK7A_4 = 13) DK7A_4 = 2.
 IF (DK7A_4 = 14) DK7A_4 = 5.
 IF (DK7A_4 = 15) DK7A_4 = 8.
 IF (DK7A_4 = 16) DK7A_4 = 11.
 IF ((MISSING(DK7B_4) NE 1)&(MISSING(DK7A_4) = 1)) DK7A_4 = 6.
 *.
 * LEGAL ENTITY (OWNER 5) FIRST BECAME INVOLVED .
 IF (DK7A_5 = 13) DK7A_5 = 2.
 IF (DK7A_5 = 14) DK7A_5 = 5.
 IF (DK7A_5 = 15) DK7A_5 = 8.
 IF (DK7A_5 = 16) DK7A_5 = 11.
 IF ((MISSING(DK7B_5) NE 1)&(MISSING(DK7A_5) = 1)) DK7A_5 = 6.
 *.
 * NON-OWNER 1 WORK FULL TIME ON START-UP TEAM .
 IF (DM16A_1 = 13) DM16A_1 = 2.
 IF (DM16A_1 = 14) DM16A_1 = 5.
 IF (DM16A_1 = 15) DM16A_1 = 8.
 IF (DM16A_1 = 16) DM16A_1 = 11.
 IF ((MISSING(DM16B_1) NE 1)&(MISSING(DM16A_1) = 1)) DM16A_1 = 6.
 *.
 * NON-OWNER 2 WORK FULL TIME ON START-UP TEAM .
 IF (DM16A_2 = 13) DM16A_2 = 2.
 IF (DM16A_2 = 14) DM16A_2 = 5.
 IF (DM16A_2 = 15) DM16A_2 = 8.
 IF (DM16A_2 = 16) DM16A_2 = 11.
 IF ((MISSING(DM16B_2) NE 1)&(MISSING(DM16A_2) = 1)) DM16A_2 = 6.
 *.
 * NON-OWNER 3 WORK FULL TIME ON START-UP TEAM .
 IF (DM16A_3 = 13) DM16A_3 = 2.
 IF (DM16A_3 = 14) DM16A_3 = 5.
 IF (DM16A_3 = 15) DM16A_3 = 8.
 IF (DM16A_3 = 16) DM16A_3 = 11.
 IF ((MISSING(DM16B_3) NE 1)&(MISSING(DM16A_3) = 1)) DM16A_3 = 6.

FREQ VAR DA8A DB9A DC3A DC5A DD3A DD4A DD7A DD8A DD10A
 DD12A DD14A DD15A DD17A DD19A DD21A DD23A DD25A
 DD27A DD29A DE2A DE4A DE6A DE8A DE12A DE14A
 DE16A DE19A DE21A DE23A DE25A DE27A DE29A DE31A
 DE33A DE35A DE37A
 DG8A_1 DG8A_2 DG8A_3 DG8A_4 DG8A_5
 DH9A_2 DH9A_3 DH9A_4 DH9A_5
 DH18A_2 DH18A_3 DH18A_4 DH18A_5
 DK7A_2 DK7A_3 DK7A_4 DK7A_5

DM16A_1 DM16A_2 DM16A_3
/ORDER VARIABLE.

*.
* ORIGINAL PROGRAMMING TOOK START-UP EVENTS FROM TWO FILES.

*.
MISSING VALUES
DQ14B_1 DQ14B_2 DQ14B_3 DQ14B_4 DQ14B_5
DR2B (9998 9999).

*.
FREQ VAR
DQ14B_1 DQ14B_2 DQ14B_3 DQ14B_4 DQ14B_5
DR2B.

*.
MISSING VALUES
DQ14A_1 DQ14A_2 DQ14A_3 DQ14A_4 DQ14A_5
DR2A (98 99).

*.
ADD VALUE LABEL
DQ14A_1 DQ14A_2 DQ14A_3 DQ14A_4 DQ14A_5
DR2A
17 'NOT COMPLETED'.

*.
FREQ VAR
DQ14A_1 DQ14A_2 DQ14A_3 DQ14A_4 DQ14A_5
DR2A
/ORDER VARIABLES.

*.
* OWNER #1 INITIAL INVESTMENT.
IF (DQ14A_1 = 13) DQ14A_1 = 2.
IF (DQ14A_1 = 14) DQ14A_1 = 5.
IF (DQ14A_1 = 15) DQ14A_1 = 8.
IF (DQ14A_1 = 16) DQ14A_1 = 11.
IF ((MISSING(DQ14B_1) NE 1)&(MISSING(DQ14A_1) = 1)) DQ14A_1 = 6.

*.
* OWNER #2 INITIAL INVESTMENT.
IF (DQ14A_2 = 13) DQ14A_2 = 2.
IF (DQ14A_2 = 14) DQ14A_2 = 5.
IF (DQ14A_2 = 15) DQ14A_2 = 8.
IF (DQ14A_2 = 16) DQ14A_2 = 11.
IF ((MISSING(DQ14B_2) NE 1)&(MISSING(DQ14A_2) = 1)) DQ14A_2 = 6.

*.
* OWNER #3 INITIAL INVESTMENT.
IF (DQ14A_3 = 13) DQ14A_3 = 2.
IF (DQ14A_3 = 14) DQ14A_3 = 5.
IF (DQ14A_3 = 15) DQ14A_3 = 8.
IF (DQ14A_3 = 16) DQ14A_3 = 11.
IF ((MISSING(DQ14B_3) NE 1)&(MISSING(DQ14A_3) = 1)) DQ14A_3 = 6.

*.
* OWNER #4 INITIAL INVESTMENT.
IF (DQ14A_4 = 13) DQ14A_4 = 2.
IF (DQ14A_4 = 14) DQ14A_4 = 5.
IF (DQ14A_4 = 15) DQ14A_4 = 8.
IF (DQ14A_4 = 16) DQ14A_4 = 11.
IF ((MISSING(DQ14B_4) NE 1)&(MISSING(DQ14A_4) = 1)) DQ14A_4 = 6.

```
*.  
* OWNER #5 INITIAL INVESTMENT.  
IF (DQ14A_5 = 13) DQ14A_5 = 2.  
IF (DQ14A_5 = 14) DQ14A_5 = 5.  
IF (DQ14A_5 = 15) DQ14A_5 = 8.  
IF (DQ14A_5 = 16) DQ14A_5 = 11.  
IF ((MISSING(DQ14B_5) NE 1)&(MISSING(DQ14A_5) = 1)) DQ14A_5 = 6.  
*.
```

```
* FIRST FINANCIAL SUPPORT RECEIVED .  
IF (DR2A = 13) DR2A = 2.  
IF (DR2A = 14) DR2A = 5.  
IF (DR2A = 15) DR2A = 8.  
IF (DR2A = 16) DR2A = 11.  
IF ((MISSING(DR2B) NE 1)&(MISSING(DR2A) = 1)) DR2A = 6.  
*.
```

```
FREQ VAR  
DQ14A_1 DQ14A_2 DQ14A_3 DQ14A_4 DQ14A_5  
DR2A/  
ORDER VARIABLES.
```

```
*.  
*.  
*=====
```

```
*.  
* ADJUST ALL WAVE E ITEMS.  
*.  
*=====
```

```
*.  
*.  
* CHECK AND RESET ALL MONTH DATA TO APPROXIMATE ACTUAL MONTH.  
* SEASON RESPONSES RECODED TO MODAL MONTH.  
* IF YEAR BUT NO MONTH, MONTH SET TO JUNE.  
*.  
*.
```

```
* CHECK MISSING VALUES ON YEARS.  
*.
```

```
MISSING VALUES  
EA8B EB9B EC3B EC5B ED3B ED4B ED7B ED8B ED10B  
ED12B ED14B ED15B ED17B ED19B ED21B ED23B ED25B  
ED27B ED29B EE2B EE4B EE6B EE8B EE12B EE14B  
EE16B EE19B EE21B EE23B EE25B EE27B EE29B EE31B  
EE33B EE35B EE37B  
EG8B_1 EG8B_2 EG8B_3 EG8B_4 EG8B_5  
EH9B_2 EH9B_3 EH9B_4 EH9B_5  
EH18B_2 EH18B_3 EH18B_4 EH18B_5  
EK7B_2 EK7B_3 EK7B_4 EK7B_5  
EM16B_1 EM16B_2 EM16B_3  
(9998 9999).  
*.
```

```
FREQ VAR  
EA8B EB9B EC3B EC5B ED3B ED4B ED7B ED8B ED10B  
ED12B ED14B ED15B ED17B ED19B ED21B ED23B ED25B  
ED27B ED29B EE2B EE4B EE6B EE8B EE12B EE14B  
EE16B EE19B EE21B EE23B EE25B EE27B EE29B EE31B  
EE33B EE35B EE37B  
EG8B_1 EG8B_2 EG8B_3 EG8B_4 EG8B_5
```

EH9B_2 EH9B_3 EH9B_4 EH9B_5
EH18B_2 EH18B_3 EH18B_4 EH18B_5
EK7B_2 EK7B_3 EK7B_4 EK7B_5
EM16B_1 EM16B_2 EM16B_3
/ORDER VARIABLES.

*.

MISSING VALUES

EA8A EB9A EC3A EC5A ED3A ED4A ED7A ED8A ED10A
ED12A ED14A ED15A ED17A ED19A ED21A ED23A ED25A
ED27A ED29A EE2A EE4A EE6A EE8A EE12A EE14A
EE16A EE19A EE21A EE23A EE25A EE27A EE29A EE31A
EE33A EE35A EE37A
EG8A_1 EG8A_2 EG8A_3 EG8A_4 EG8A_5
EH9A_2 EH9A_3 EH9A_4 EH9A_5
EH18A_2 EH18A_3 EH18A_4 EH18A_5
EK7A_2 EK7A_3 EK7A_4 EK7A_5
EM16A_1 EM16A_2 EM16A_3
(98 99).

*.

*.

ADD VALUE LABEL

EA8A EB9A EC3A EC5A ED3A ED4A ED7A ED8A ED10A
ED12A ED14A ED15A ED17A ED19A ED21A ED23A ED25A
ED27A ED29A EE2A EE4A EE6A EE8A EE12A EE14A
EE16A EE19A EE21A EE23A EE25A EE27A EE29A EE31A
EE33A EE35A EE37A
EG8A_1 EG8A_2 EG8A_3 EG8A_4 EG8A_5
EH9A_2 EH9A_3 EH9A_4 EH9A_5
EH18A_2 EH18A_3 EH18A_4 EH18A_5
EK7A_2 EK7A_3 EK7A_4 EK7A_5
EM16A_1 EM16A_2 EM16A_3
17 'NOT COMPLETED'
98 'DK'
99 'NA'.

*.

FREQ VAR

EA8A EB9A EC3A EC5A ED3A ED4A ED7A ED8A ED10A
ED12A ED14A ED15A ED17A ED19A ED21A ED23A ED25A
ED27A ED29A EE2A EE4A EE6A EE8A EE12A EE14A
EE16A EE19A EE21A EE23A EE25A EE27A EE29A EE31A
EE33A EE35A EE37A
EG8A_1 EG8A_2 EG8A_3 EG8A_4 EG8A_5
EH9A_2 EH9A_3 EH9A_4 EH9A_5
EH18A_2 EH18A_3 EH18A_4 EH18A_5
EK7A_2 EK7A_3 EK7A_4 EK7A_5
EM16A_1 EM16A_2 EM16A_3
/ORDER VARIABLES.

*.

*.

* THINKING OF BUSINESS START-UP.

IF (EA8A = 13) EA8A = 2.
IF (EA8A = 14) EA8A = 5.
IF (EA8A = 15) EA8A = 8.
IF (EA8A = 16) EA8A = 11.

IF ((MISSING(EA8B) NE 1)&(MISSING(EA8A) = 1)) EA8A = 6.
 *.
 * FIRST USED PHYSICAL SPACE.
 IF (EB9A = 13) EB9A = 2.
 IF (EB9A = 14) EB9A = 5.
 IF (EB9A = 15) EB9A = 8.
 IF (EB9A = 16) EB9A = 11.
 IF ((MISSING(EB9B) NE 1)&(MISSING(EB9A) = 1)) EB9A = 6.
 *.
 * LEGAL FORM REGISTERED .
 IF (EC3A = 13) EC3A = 2.
 IF (EC3A = 14) EC3A = 5.
 IF (EC3A = 15) EC3A = 8.
 IF (EC3A = 16) EC3A = 11.
 IF ((MISSING(EC3B) NE 1)&(MISSING(EC3A) = 1)) EC3A = 6.
 *.
 * LIABILITY INSURANCE PURCHASED .
 IF (EC5A = 13) EC5A = 2.
 IF (EC5A = 14) EC5A = 5.
 IF (EC5A = 15) EC5A = 8.
 IF (EC5A = 16) EC5A = 11.
 IF ((MISSING(EC5B) NE 1)&(MISSING(EC5A) = 1)) EC5A = 6.
 *.
 * INITIATED PREPARATION OF A BUSINESS PLAN .
 IF (ED3A = 13) ED3A = 2.
 IF (ED3A = 14) ED3A = 5.
 IF (ED3A = 15) ED3A = 8.
 IF (ED3A = 16) ED3A = 11.
 IF ((MISSING(ED3B) NE 1)&(MISSING(ED3A) = 1)) ED3A = 6.
 *.
 * COMPLETED PREPARATION OF A BUSINESS PLAN .
 IF (ED4A = 13) ED4A = 2.
 IF (ED4A = 14) ED4A = 5.
 IF (ED4A = 15) ED4A = 8.
 IF (ED4A = 16) ED4A = 11.
 IF ((MISSING(ED4B) NE 1)&(MISSING(ED4A) = 1)) ED4A = 6.
 *.
 * INITIATED DEVELOPMENT OF PRODUCT/SERVICE .
 IF (ED7A = 13) ED7A = 2.
 IF (ED7A = 14) ED7A = 5.
 IF (ED7A = 15) ED7A = 8.
 IF (ED7A = 16) ED7A = 11.
 IF ((MISSING(ED7B) NE 1)&(MISSING(ED7A) = 1)) ED7A = 6.
 *.
 * COMPLETED PRODUCT/SERVICE READY FOR SALE .
 IF (ED8A = 13) ED8A = 2.
 IF (ED8A = 14) ED8A = 5.
 IF (ED8A = 15) ED8A = 8.
 IF (ED8A = 16) ED8A = 11.
 IF ((MISSING(ED8B) NE 1)&(MISSING(ED8A) = 1)) ED8A = 6.
 *.
 * PROMOTIONAL EFFORTS BEGAN .
 IF (ED10A = 13) ED10A = 2.
 IF (ED10A = 14) ED10A = 5.

IF (ED10A = 15) ED10A = 8.
IF (ED10A = 16) ED10A = 11.
IF ((MISSING(ED10B) NE 1)&(MISSING(ED10A) = 1)) ED10A = 6.

*.
* PROPRIETARY TECHNOLOGY FULLY DEVELOPED .

IF (ED12A = 13) ED12A = 2.
IF (ED12A = 14) ED12A = 5.
IF (ED12A = 15) ED12A = 8.
IF (ED12A = 16) ED12A = 11.
IF ((MISSING(ED12B) NE 1)&(MISSING(ED12A) = 1)) ED12A = 6.

*.
* INITIATED PATENT/COPYRIGHT APPLIDATION PREPARATION.

IF (ED14A = 13) ED14A = 2.
IF (ED14A = 14) ED14A = 5.
IF (ED14A = 15) ED14A = 8.
IF (ED14A = 16) ED14A = 11.
IF ((MISSING(ED14B) NE 1)&(MISSING(ED14A) = 1)) ED14A = 6.

*.
* PATENT/COPYRIGHT GRANTED.

IF (ED15A = 13) ED15A = 2.
IF (ED15A = 14) ED15A = 5.
IF (ED15A = 15) ED15A = 8.
IF (ED15A = 16) ED15A = 11.
IF ((MISSING(ED15B) NE 1)&(MISSING(ED15A) = 1)) ED15A = 6.

*.
* BEGAN TO PURCHASE/LEASE MAJOR ITEMS.

IF (ED17A = 13) ED17A = 2.
IF (ED17A = 14) ED17A = 5.
IF (ED17A = 15) ED17A = 8.
IF (ED17A = 16) ED17A = 11.
IF ((MISSING(ED17B) NE 1)&(MISSING(ED17A) = 1)) ED17A = 6.

*.
* BEGAN TO PURCHASE MATERIALS/INVENTORY.

IF (ED19A = 13) ED19A = 2.
IF (ED19A = 14) ED19A = 5.
IF (ED19A = 15) ED19A = 8.
IF (ED19A = 16) ED19A = 11.
IF ((MISSING(ED19B) NE 1)&(MISSING(ED19A) = 1)) ED19A = 6.

*.
* BEGAN DISCUSSIONS WITH POTENTIAL CUSTOMERS.

IF (ED21A = 13) ED21A = 2.
IF (ED21A = 14) ED21A = 5.
IF (ED21A = 15) ED21A = 8.
IF (ED21A = 16) ED21A = 11.
IF ((MISSING(ED21B) NE 1)&(MISSING(ED21A) = 1)) ED21A = 6.

*.
* BEGAN COLLECTING INFORMATION ABOUT COMPETITORS.

IF (ED23A = 13) ED23A = 2.
IF (ED23A = 14) ED23A = 5.
IF (ED23A = 15) ED23A = 8.
IF (ED23A = 16) ED23A = 11.
IF ((MISSING(ED23B) NE 1)&(MISSING(ED23A) = 1)) ED23A = 6.

*.
* BEGAN DEFINING MARKET OPPORTUNITIES.

IF (ED25A = 13) ED25A = 2.
IF (ED25A = 14) ED25A = 5.
IF (ED25A = 15) ED25A = 8.
IF (ED25A = 16) ED25A = 11.
IF ((MISSING(ED25B) NE 1)&(MISSING(ED25A) = 1)) ED25A = 6.

*.
* BEGAN DEVELOPING FINANCIAL PROJECTIONS.

IF (ED27A = 13) ED27A = 2.
IF (ED27A = 14) ED27A = 5.
IF (ED27A = 15) ED27A = 8.
IF (ED27A = 16) ED27A = 11.
IF ((MISSING(ED27B) NE 1)&(MISSING(ED27A) = 1)) ED27A = 6.

*.
* COMPLETED DETERMINATION OF REGULATORY REQUIREMENTS.

IF (ED29A = 13) ED29A = 2.
IF (ED29A = 14) ED29A = 5.
IF (ED29A = 15) ED29A = 8.
IF (ED29A = 16) ED29A = 11.
IF ((MISSING(ED29B) NE 1)&(MISSING(ED29A) = 1)) ED29A = 6.

*.
* FIRST SOUGHT OUTSIDE FUNDING.

IF (EE2A = 13) EE2A = 2.
IF (EE2A = 14) EE2A = 5.
IF (EE2A = 15) EE2A = 8.
IF (EE2A = 16) EE2A = 11.
IF ((MISSING(EE2B) NE 1)&(MISSING(EE2A) = 1)) EE2A = 6.

*.
* FIRST OUTSIDE FUNDING OBTAINED.

IF (EE4A = 13) EE4A = 2.
IF (EE4A = 14) EE4A = 5.
IF (EE4A = 15) EE4A = 8.
IF (EE4A = 16) EE4A = 11.
IF ((MISSING(EE4B) NE 1)&(MISSING(EE4A) = 1)) EE4A = 6.

*.
* SUPPLIER CREDIT ESTABLISHED.

IF (EE6A = 13) EE6A = 2.
IF (EE6A = 14) EE6A = 5.
IF (EE6A = 15) EE6A = 8.
IF (EE6A = 16) EE6A = 11.
IF ((MISSING(EE6B) NE 1)&(MISSING(EE6A) = 1)) EE6A = 6.

*.
* FIRST PERSON HIRED.

IF (EE8A = 13) EE8A = 2.
IF (EE8A = 14) EE8A = 5.
IF (EE8A = 15) EE8A = 8.
IF (EE8A = 16) EE8A = 11.
IF ((MISSING(EE8B) NE 1)&(MISSING(EE8A) = 1)) EE8A = 6.

*.
* BUSINESS BANK ADCOUNT OPENED.

IF (EE12A = 13) EE12A = 2.
IF (EE12A = 14) EE12A = 5.
IF (EE12A = 15) EE12A = 8.
IF (EE12A = 16) EE12A = 11.
IF ((MISSING(EE12B) NE 1)&(MISSING(EE12A) = 1)) EE12A = 6.

*.
* FIRST INCOME RECEIVED .
IF (EE14A = 13) EE14A = 2.
IF (EE14A = 14) EE14A = 5.
IF (EE14A = 15) EE14A = 8.
IF (EE14A = 16) EE14A = 11.
IF ((MISSING(EE14B) NE 1)&(MISSING(EE14A) = 1)) EE14A = 6.

*.
* MONTHLY REVENUE FIRST EXCEEDED EXPENSES .
IF (EE16A = 13) EE16A = 2.
IF (EE16A = 14) EE16A = 5.
IF (EE16A = 15) EE16A = 8.
IF (EE16A = 16) EE16A = 11.
IF ((MISSING(EE16B) NE 1)&(MISSING(EE16A) = 1)) EE16A = 6.

*.
* ACCOUNTANT RETAINED FOR THE BUSINESS .
IF (EE19A = 13) EE19A = 2.
IF (EE19A = 14) EE19A = 5.
IF (EE19A = 15) EE19A = 8.
IF (EE19A = 16) EE19A = 11.
IF ((MISSING(EE19B) NE 1)&(MISSING(EE19A) = 1)) EE19A = 6.

*.
* LAWYER RETAINED FOR THE BUSINESS .
IF (EE21A = 13) EE21A = 2.
IF (EE21A = 14) EE21A = 5.
IF (EE21A = 15) EE21A = 8.
IF (EE21A = 16) EE21A = 11.
IF ((MISSING(EE21B) NE 1)&(MISSING(EE21A) = 1)) EE21A = 6.

*.
* JOINED TRADE ASSOCIATION.
IF (EE23A = 13) EE23A = 2.
IF (EE23A = 14) EE23A = 5.
IF (EE23A = 15) EE23A = 8.
IF (EE23A = 16) EE23A = 11.
IF ((MISSING(EE23B) NE 1)&(MISSING(EE23A) = 1)) EE23A = 6.

*.
* FIRST ESTABLISHED PHONE/INTERNET CONNECTION.
IF (EE25A = 13) EE25A = 2.
IF (EE25A = 14) EE25A = 5.
IF (EE25A = 15) EE25A = 8.
IF (EE25A = 16) EE25A = 11.
IF ((MISSING(EE25B) NE 1)&(MISSING(EE25A) = 1)) EE25A = 6.

*.
* APPLIED FOR FEDERAL EIN NUMBER .
IF (EE27A = 13) EE27A = 2.
IF (EE27A = 14) EE27A = 5.
IF (EE27A = 15) EE27A = 8.
IF (EE27A = 16) EE27A = 11.
IF ((MISSING(EE27B) NE 1)&(MISSING(EE27A) = 1)) EE27A = 6.

*.
* FIRST FILED FOR DBA [FICTIOUS] NAME WITH GOV AGENCY.
IF (EE29A = 13) EE29A = 2.
IF (EE29A = 14) EE29A = 5.
IF (EE29A = 15) EE29A = 8.

IF (EE29A = 16) EE29A = 11.
IF ((MISSING(EE29B) NE 1)&(MISSING(EE29A) = 1)) EE29A = 6.

*.

* PAID FIRST STATE UNEMPLOYMENT INSURANCE TAXES .

IF (EE31A = 13) EE31A = 2.
IF (EE31A = 14) EE31A = 5.
IF (EE31A = 15) EE31A = 8.
IF (EE31A = 16) EE31A = 11.
IF ((MISSING(EE31B) NE 1)&(MISSING(EE31A) = 1)) EE31A = 6.

*.

* PAID FIRST FEDERAL FIDA [SOC SECURITY] TAXES .

IF (EE33A = 13) EE33A = 2.
IF (EE33A = 14) EE33A = 5.
IF (EE33A = 15) EE33A = 8.
IF (EE33A = 16) EE33A = 11.
IF ((MISSING(EE33B) NE 1)&(MISSING(EE33A) = 1)) EE33A = 6.

*.

* FILED FIRST FEDERAL INCOME TAX RETURN.

IF (EE35A = 13) EE35A = 2.
IF (EE35A = 14) EE35A = 5.
IF (EE35A = 15) EE35A = 8.
IF (EE35A = 16) EE35A = 11.
IF ((MISSING(EE35B) NE 1)&(MISSING(EE35A) = 1)) EE35A = 6.

*.

* FIRST TIME KNOW LISTED WITH DUN & BRADSTREET.

IF (EE37A = 13) EE37A = 2.
IF (EE37A = 14) EE37A = 5.
IF (EE37A = 15) EE37A = 8.
IF (EE37A = 16) EE37A = 11.
IF ((MISSING(EE37B) NE 1)&(MISSING(EE37A) = 1)) EE37A = 6.

*.

DESCRIPTIVES VAR EE37A.

*.

* OWNER 1 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (EG8A_1 = 13) EG8A_1 = 2.
IF (EG8A_1 = 14) EG8A_1 = 5.
IF (EG8A_1 = 15) EG8A_1 = 8.
IF (EG8A_1 = 16) EG8A_1 = 11.
IF ((MISSING(EG8B_1) NE 1)&(MISSING(EG8A_1) = 1)) EG8A_1 = 6.

*.

* OWNER 2 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (EG8A_2 = 13) EG8A_2 = 2.
IF (EG8A_2 = 14) EG8A_2 = 5.
IF (EG8A_2 = 15) EG8A_2 = 8.
IF (EG8A_2 = 16) EG8A_2 = 11.
IF ((MISSING(EG8B_2) NE 1)&(MISSING(EG8A_2) = 1)) EG8A_2 = 6.

*.

* OWNER 3 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (EG8A_3 = 13) EG8A_3 = 2.
IF (EG8A_3 = 14) EG8A_3 = 5.
IF (EG8A_3 = 15) EG8A_3 = 8.
IF (EG8A_3 = 16) EG8A_3 = 11.
IF ((MISSING(EG8B_3) NE 1)&(MISSING(EG8A_3) = 1)) EG8A_3 = 6.

*.

```

* OWNER 4 SIGNED OWNERSHIP SHARES AGREEMENT .
IF (EG8A_4 = 13) EG8A_4 = 2.
IF (EG8A_4 = 14) EG8A_4 = 5.
IF (EG8A_4 = 15) EG8A_4 = 8.
IF (EG8A_4 = 16) EG8A_4 = 11.
IF ((MISSING(EG8B_4) NE 1)&(MISSING(EG8A_4) = 1)) EG8A_4 = 6.
*.
* OWNER 5 SIGNED OWNERSHIP SHARES AGREEMENT .
IF (EG8A_5 = 13) EG8A_5 = 2.
IF (EG8A_5 = 14) EG8A_5 = 5.
IF (EG8A_5 = 15) EG8A_5 = 8.
IF (EG8A_5 = 16) EG8A_5 = 11.
IF ((MISSING(EG8B_5) NE 1)&(MISSING(EG8A_5) = 1)) EG8A_5 = 6.
*.
*.
*.
* OWNER 2 BEGAN WORKING FULL TIME FOR NEW BUSINESS .
IF (EH18A_2 = 13) EH18A_2 = 2.
IF (EH18A_2 = 14) EH18A_2 = 5.
IF (EH18A_2 = 15) EH18A_2 = 8.
IF (EH18A_2 = 16) EH18A_2 = 11.
IF ((MISSING(EH18B_2) NE 1)&(MISSING(EH18A_2) = 1)) EH18A_2 = 6.
*.
* OWNER 3 BEGAN WORKING FULL TIME FOR NEW BUSINESS .
IF (EH18A_3 = 13) EH18A_3 = 2.
IF (EH18A_3 = 14) EH18A_3 = 5.
IF (EH18A_3 = 15) EH18A_3 = 8.
IF (EH18A_3 = 16) EH18A_3 = 11.
IF ((MISSING(EH18B_3) NE 1)&(MISSING(EH18A_3) = 1)) EH18A_3 = 6.
*.
* OWNER 4 BEGAN WORKING FULL TIME FOR NEW BUSINESS .
IF (EH18A_4 = 13) EH18A_4 = 2.
IF (EH18A_4 = 14) EH18A_4 = 5.
IF (EH18A_4 = 15) EH18A_4 = 8.
IF (EH18A_4 = 16) EH18A_4 = 11.
IF ((MISSING(EH18B_4) NE 1)&(MISSING(EH18A_4) = 1)) EH18A_4 = 6.
*.
* OWNER 5 BEGAN WORKING FULL TIME FOR NEW BUSINESS .
IF (EH18A_5 = 13) EH18A_5 = 2.
IF (EH18A_5 = 14) EH18A_5 = 5.
IF (EH18A_5 = 15) EH18A_5 = 8.
IF (EH18A_5 = 16) EH18A_5 = 11.
IF ((MISSING(EH18B_5) NE 1)&(MISSING(EH18A_5) = 1)) EH18A_5 = 6.
*.
* OWNER 2 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (EH9A_2 = 13) EH9A_2 = 2.
IF (EH9A_2 = 14) EH9A_2 = 5.
IF (EH9A_2 = 15) EH9A_2 = 8.
IF (EH9A_2 = 16) EH9A_2 = 11.
IF ((MISSING(EH9B_2) NE 1)&(MISSING(EH9A_2) = 1)) EH9A_2 = 6.
*.
* OWNER 3 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (EH9A_3 = 13) EH9A_3 = 2.
IF (EH9A_3 = 14) EH9A_3 = 5.

```

IF (EH9A_3 = 15) EH9A_3 = 8.
 IF (EH9A_3 = 16) EH9A_3 = 11.
 IF ((MISSING(EH9B_3) NE 1)&(MISSING(EH9A_3) = 1)) EH9A_3 = 6.
 *.
 * OWNER 4 FIRST BECAME INVOLVED WITH START-UP TEAM.
 IF (EH9A_4 = 13) EH9A_4 = 2.
 IF (EH9A_4 = 14) EH9A_4 = 5.
 IF (EH9A_4 = 15) EH9A_4 = 8.
 IF (EH9A_4 = 16) EH9A_4 = 11.
 IF ((MISSING(EH9B_4) NE 1)&(MISSING(EH9A_4) = 1)) EH9A_4 = 6.
 *.
 * OWNER 5 FIRST BECAME INVOLVED WITH START-UP TEAM.
 IF (EH9A_5 = 13) EH9A_5 = 2.
 IF (EH9A_5 = 14) EH9A_5 = 5.
 IF (EH9A_5 = 15) EH9A_5 = 8.
 IF (EH9A_5 = 16) EH9A_5 = 11.
 IF ((MISSING(EH9B_5) NE 1)&(MISSING(EH9A_5) = 1)) EH9A_5 = 6.
 *.
 * LEGAL ENTITY (OWNER 2) FIRST BECAME INVOLVED .
 IF (EK7A_2 = 13) EK7A_2 = 2.
 IF (EK7A_2 = 14) EK7A_2 = 5.
 IF (EK7A_2 = 15) EK7A_2 = 8.
 IF (EK7A_2 = 16) EK7A_2 = 11.
 IF ((MISSING(EK7B_2) NE 1)&(MISSING(EK7A_2) = 1)) EK7A_2 = 6.
 *.
 * LEGAL ENTITY (OWNER 3) FIRST BECAME INVOLVED .
 IF (EK7A_3 = 13) EK7A_3 = 2.
 IF (EK7A_3 = 14) EK7A_3 = 5.
 IF (EK7A_3 = 15) EK7A_3 = 8.
 IF (EK7A_3 = 16) EK7A_3 = 11.
 IF ((MISSING(EK7B_3) NE 1)&(MISSING(EK7A_3) = 1)) EK7A_3 = 6.
 *.
 * LEGAL ENTITY (OWNER 4) FIRST BECAME INVOLVED .
 IF (EK7A_4 = 13) EK7A_4 = 2.
 IF (EK7A_4 = 14) EK7A_4 = 5.
 IF (EK7A_4 = 15) EK7A_4 = 8.
 IF (EK7A_4 = 16) EK7A_4 = 11.
 IF ((MISSING(EK7B_4) NE 1)&(MISSING(EK7A_4) = 1)) EK7A_4 = 6.
 *.
 * LEGAL ENTITY (OWNER 5) FIRST BECAME INVOLVED .
 IF (EK7A_5 = 13) EK7A_5 = 2.
 IF (EK7A_5 = 14) EK7A_5 = 5.
 IF (EK7A_5 = 15) EK7A_5 = 8.
 IF (EK7A_5 = 16) EK7A_5 = 11.
 IF ((MISSING(EK7B_5) NE 1)&(MISSING(EK7A_5) = 1)) EK7A_5 = 6.
 *.
 * NON-OWNER 1 WORK FULL TIME ON START-UP TEAM .
 IF (EM16A_1 = 13) EM16A_1 = 2.
 IF (EM16A_1 = 14) EM16A_1 = 5.
 IF (EM16A_1 = 15) EM16A_1 = 8.
 IF (EM16A_1 = 16) EM16A_1 = 11.
 IF ((MISSING(EM16B_1) NE 1)&(MISSING(EM16A_1) = 1)) EM16A_1 = 6.
 *.
 * NON-OWNER 2 WORK FULL TIME ON START-UP TEAM .

IF (EM16A_2 = 13) EM16A_2 = 2.
IF (EM16A_2 = 14) EM16A_2 = 5.
IF (EM16A_2 = 15) EM16A_2 = 8.
IF (EM16A_2 = 16) EM16A_2 = 11.
IF ((MISSING(EM16B_2) NE 1)&(MISSING(EM16A_2) = 1)) EM16A_2 = 6.

*.
* NON-OWNER 3 WORK FULL TIME ON START-UP TEAM .

IF (EM16A_3 = 13) EM16A_3 = 2.
IF (EM16A_3 = 14) EM16A_3 = 5.
IF (EM16A_3 = 15) EM16A_3 = 8.
IF (EM16A_3 = 16) EM16A_3 = 11.
IF ((MISSING(EM16B_3) NE 1)&(MISSING(EM16A_3) = 1)) EM16A_3 = 6.

FREQ VAR DA8A DB9A DC3A DC5A ED3A ED4A ED7A ED8A ED10A
ED12A ED14A ED15A ED17A ED19A ED21A ED23A ED25A
ED27A ED29A EE2A EE4A EE6A EE8A EE12A EE14A
EE16A EE19A EE21A EE23A EE25A EE27A EE29A EE31A
EE33A EE35A EE37A
EG8A_1 EG8A_2 EG8A_3 EG8A_4 EG8A_5
EH9A_2 EH9A_3 EH9A_4 EH9A_5
EH18A_2 EH18A_3 EH18A_4 EH18A_5
EK7A_2 EK7A_3 EK7A_4 EK7A_5
EM16A_1 EM16A_2 EM16A_3
/ORDER VARIABLE.

*.
* ORIGINAL PROGRAMMING TOOK START-UP EVENTS FROM TWO FILES.

*.
MISSING VALUES
EQ14B_1 EQ14B_2 EQ14B_3 EQ14B_4 EQ14B_5
ER2B (9998 9999).

*.
FREQ VAR
EQ14B_1 EQ14B_2 EQ14B_3 EQ14B_4 EQ14B_5
ER2B.

*.
MISSING VALUES
EQ14A_1 EQ14A_2 EQ14A_3 EQ14A_4 EQ14A_5
ER2A (98 99).

*.
ADD VALUE LABEL
EQ14A_1 EQ14A_2 EQ14A_3 EQ14A_4 EQ14A_5
ER2A
17 'NOT COMPLETED'.

*.
FREQ VAR
EQ14A_1 EQ14A_2 EQ14A_3 EQ14A_4 EQ14A_5
ER2A
/ORDER VARIABLES.

*.
* OWNER #1 INITIAL INVESTMENT.

IF (EQ14A_1 = 13) EQ14A_1 = 2.
IF (EQ14A_1 = 14) EQ14A_1 = 5.
IF (EQ14A_1 = 15) EQ14A_1 = 8.
IF (EQ14A_1 = 16) EQ14A_1 = 11.

IF ((MISSING(EQ14B_1) NE 1)&(MISSING(EQ14A_1) = 1)) EQ14A_1 = 6.

*.

* OWNER #2 INITIAL INVESTMENT.

IF (EQ14A_2 = 13) EQ14A_2 = 2.

IF (EQ14A_2 = 14) EQ14A_2 = 5.

IF (EQ14A_2 = 15) EQ14A_2 = 8.

IF (EQ14A_2 = 16) EQ14A_2 = 11.

IF ((MISSING(EQ14B_2) NE 1)&(MISSING(EQ14A_2) = 1)) EQ14A_2 = 6.

*.

* OWNER #3 INITIAL INVESTMENT.

IF (EQ14A_3 = 13) EQ14A_3 = 2.

IF (EQ14A_3 = 14) EQ14A_3 = 5.

IF (EQ14A_3 = 15) EQ14A_3 = 8.

IF (EQ14A_3 = 16) EQ14A_3 = 11.

IF ((MISSING(EQ14B_3) NE 1)&(MISSING(EQ14A_3) = 1)) EQ14A_3 = 6.

*.

* OWNER #4 INITIAL INVESTMENT.

IF (EQ14A_4 = 13) EQ14A_4 = 2.

IF (EQ14A_4 = 14) EQ14A_4 = 5.

IF (EQ14A_4 = 15) EQ14A_4 = 8.

IF (EQ14A_4 = 16) EQ14A_4 = 11.

IF ((MISSING(EQ14B_4) NE 1)&(MISSING(EQ14A_4) = 1)) EQ14A_4 = 6.

*.

* OWNER #5 INITIAL INVESTMENT.

IF (EQ14A_5 = 13) EQ14A_5 = 2.

IF (EQ14A_5 = 14) EQ14A_5 = 5.

IF (EQ14A_5 = 15) EQ14A_5 = 8.

IF (EQ14A_5 = 16) EQ14A_5 = 11.

IF ((MISSING(EQ14B_5) NE 1)&(MISSING(EQ14A_5) = 1)) EQ14A_5 = 6.

*.

* FIRST FINANCIAL SUPPORT RECEIVED .

IF (ER2A = 13) ER2A = 2.

IF (ER2A = 14) ER2A = 5.

IF (ER2A = 15) ER2A = 8.

IF (ER2A = 16) ER2A = 11.

IF ((MISSING(ER2B) NE 1)&(MISSING(ER2A) = 1)) ER2A = 6.

*.

FREQ VAR

EQ14A_1 EQ14A_2 EQ14A_3 EQ14A_4 EQ14A_5

ER2A/

ORDER VARIABLES.

*.

=====

*.

* ADJUST ALL WAVE F ITEMS.

*.

=====

*.

*.

* CHECK AND RESET ALL MONTH DATA TO APPROXIMATE ACTUAL MONTH.

* SEASON RESPONSES RECODED TO MODAL MONTH.

* IF YEAR BUT NO MONTH, MONTH SET TO JUNE.

*.

MISSING VALUES

FA8B FB9B FC3B FC5B FD3B FD4B FD7B FD8B FD10B
FD12B FD14B FD15B FD17B FD19B FD21B FD23B FD25B
FD27B FD29B FE2B FE4B FE6B FE8B FE12B FE14B
FE16B FE19B FE21B FE23B FE25B FE27B FE29B FE31B
FE33B FE35B FE37B
FG8B_1 FG8B_2 FG8B_3 FG8B_4 FG8B_5
FH9B_2 FH9B_3 FH9B_4 FH9B_5
FH18B_2 FH18B_3 FH18B_4 FH18B_5
FK7B_2 FK7B_3 FK7B_4 FK7B_5
FM16B_1 FM16B_2 FM16B_3
(9998 9999).

*.
*.

MISSING VALUES

FA8A FB9A FC3A FC5A FD3A FD4A FD7A FD8A FD10A
FD12A FD14A FD15A FD17A FD19A FD21A FD23A FD25A
FD27A FD29A FE2A FE4A FE6A FE8A FE12A FE14A
FE16A FE19A FE21A FE23A FE25A FE27A FE29A FE31A
FE33A FE35A FE37A
FG8A_1 FG8A_2 FG8A_3 FG8A_4 FG8A_5
FH9A_2 FH9A_3 FH9A_4 FH9A_5
FH18A_2 FH18A_3 FH18A_4 FH18A_5
FK7A_2 FK7A_3 FK7A_4 FK7A_5
FM16A_1 FM16A_2 FM16A_3 (98 99).

*.
*.

ADD VALUE LABEL

FA8A FB9A FC3A FC5A FD3A FD4A FD7A FD8A FD10A
FD12A FD14A FD15A FD17A FD19A FD21A FD23A FD25A
FD27A FD29A FE2A FE4A FE6A FE8A FE12A FE14A
FE16A FE19A FE21A FE23A FE25A FE27A FE29A FE31A
FE33A FE35A FE37A
FG8A_1 FG8A_2 FG8A_3 FG8A_4 FG8A_5
FH9A_2 FH9A_3 FH9A_4 FH9A_5
FH18A_2 FH18A_3 FH18A_4 FH18A_5
FK7A_2 FK7A_3 FK7A_4 FK7A_5
FM16A_1 FM16A_2 FM16A_3
17 'NOT COMPLETED'.

*.

FREQ VAR FA8A FB9A FC3A FC5A FD3A FD4A FD7A FD8A FD10A
FD12A FD14A FD15A FD17A FD19A FD21A FD23A FD25A
FD27A FD29A FE2A FE4A FE6A FE8A FE12A FE14A
FE16A FE19A FE21A FE23A FE25A FE27A FE29A FE31A
FE33A FE35A FE37A
FG8A_1 FG8A_2 FG8A_3 FG8A_4 FG8A_5
FH9A_2 FH9A_3 FH9A_4 FH9A_5
FH18A_2 FH18A_3 FH18A_4 FH18A_5
FK7A_2 FK7A_3 FK7A_4 FK7A_5
FM16A_1 FM16A_2 FM16A_3
/ORDER VARIABLES.

*.
*.

THINKING OF BUSINESS START-UP.

IF (FA8A = 13) FA8A = 2.

IF (FA8A = 14) FA8A = 5.
IF (FA8A = 15) FA8A = 8.
IF (FA8A = 16) FA8A = 11.
IF ((MISSING(FA8B) NE 1)&(MISSING(FA8A) = 1)) FA8A = 6.

*.
* FIRST USED PHYSICAL SPACE.

IF (FB9A = 13) FB9A = 2.
IF (FB9A = 14) FB9A = 5.
IF (FB9A = 15) FB9A = 8.
IF (FB9A = 16) FB9A = 11.
IF ((MISSING(FB9B) NE 1)&(MISSING(FB9A) = 1)) FB9A = 6.

*.
* LEGAL FORM REGISTERED .

IF (FC3A = 13) FC3A = 2.
IF (FC3A = 14) FC3A = 5.
IF (FC3A = 15) FC3A = 8.
IF (FC3A = 16) FC3A = 11.
IF ((MISSING(FC3B) NE 1)&(MISSING(FC3A) = 1)) FC3A = 6.

*.
* LIABILITY INSURANCE PURCHASED .

IF (FC5A = 13) FC5A = 2.
IF (FC5A = 14) FC5A = 5.
IF (FC5A = 15) FC5A = 8.
IF (FC5A = 16) FC5A = 11.
IF ((MISSING(FC5B) NE 1)&(MISSING(FC5A) = 1)) FC5A = 6.

*.
* INITIATED PREPARATION OF A BUSINESS PLAN .

IF (FD3A = 13) FD3A = 2.
IF (FD3A = 14) FD3A = 5.
IF (FD3A = 15) FD3A = 8.
IF (FD3A = 16) FD3A = 11.
IF ((MISSING(FD3B) NE 1)&(MISSING(FD3A) = 1)) FD3A = 6.

*.
* COMPLETED PREPARATION OF A BUSINESS PLAN .

IF (FD4A = 13) FD4A = 2.
IF (FD4A = 14) FD4A = 5.
IF (FD4A = 15) FD4A = 8.
IF (FD4A = 16) FD4A = 11.
IF ((MISSING(FD4B) NE 1)&(MISSING(FD4A) = 1)) FD4A = 6.

*.
* INITIATED DEVELOPMENT OF PRODUCT/SERVICE .

IF (FD7A = 13) FD7A = 2.
IF (FD7A = 14) FD7A = 5.
IF (FD7A = 15) FD7A = 8.
IF (FD7A = 16) FD7A = 11.
IF ((MISSING(FD7B) NE 1)&(MISSING(FD7A) = 1)) FD7A = 6.

*.
* COMPLETED PRODUCT/SERVICE READY FOR SALE .

IF (FD8A = 13) FD8A = 2.
IF (FD8A = 14) FD8A = 5.
IF (FD8A = 15) FD8A = 8.
IF (FD8A = 16) FD8A = 11.
IF ((MISSING(FD8B) NE 1)&(MISSING(FD8A) = 1)) FD8A = 6.

*.

* PROMOTIONAL EFFORTS BEGAN .

IF (FD10A = 13) FD10A = 2.
IF (FD10A = 14) FD10A = 5.
IF (FD10A = 15) FD10A = 8.
IF (FD10A = 16) FD10A = 11.
IF ((MISSING(FD10B) NE 1)&(MISSING(FD10A) = 1)) FD10A = 6.

*.

* PROPRIETARY TECHNOLOGY FULLY DEVELOPED .

IF (FD12A = 13) FD12A = 2.
IF (FD12A = 14) FD12A = 5.
IF (FD12A = 15) FD12A = 8.
IF (FD12A = 16) FD12A = 11.
IF ((MISSING(FD12B) NE 1)&(MISSING(FD12A) = 1)) FD12A = 6.

*.

* INITIATED PATENT/COPYRIGHT APPLICATION PREPARATION.

IF (FD14A = 13) FD14A = 2.
IF (FD14A = 14) FD14A = 5.
IF (FD14A = 15) FD14A = 8.
IF (FD14A = 16) FD14A = 11.
IF ((MISSING(FD14B) NE 1)&(MISSING(FD14A) = 1)) FD14A = 6.

*.

* PATENT/COPYRIGHT GRANTED.

IF (FD15A = 13) FD15A = 2.
IF (FD15A = 14) FD15A = 5.
IF (FD15A = 15) FD15A = 8.
IF (FD15A = 16) FD15A = 11.
IF ((MISSING(FD15B) NE 1)&(MISSING(FD15A) = 1)) FD15A = 6.

*.

* BEGAN TO PURCHASE/LEASE MAJOR ITEMS.

IF (FD17A = 13) FD17A = 2.
IF (FD17A = 14) FD17A = 5.
IF (FD17A = 15) FD17A = 8.
IF (FD17A = 16) FD17A = 11.
IF ((MISSING(FD17B) NE 1)&(MISSING(FD17A) = 1)) FD17A = 6.

*.

* BEGAN TO PURCHASE MATERIALS/INVENTORY.

IF (FD19A = 13) FD19A = 2.
IF (FD19A = 14) FD19A = 5.
IF (FD19A = 15) FD19A = 8.
IF (FD19A = 16) FD19A = 11.
IF ((MISSING(FD19B) NE 1)&(MISSING(FD19A) = 1)) FD19A = 6.

*.

* BEGAN DISCUSSIONS WITH POTENTIAL CUSTOMERS.

IF (FD21A = 13) FD21A = 2.
IF (FD21A = 14) FD21A = 5.
IF (FD21A = 15) FD21A = 8.
IF (FD21A = 16) FD21A = 11.
IF ((MISSING(FD21B) NE 1)&(MISSING(FD21A) = 1)) FD21A = 6.

*.

* BEGAN COLLECTING INFORMATION ABOUT COMPETITORS.

IF (FD23A = 13) FD23A = 2.
IF (FD23A = 14) FD23A = 5.
IF (FD23A = 15) FD23A = 8.
IF (FD23A = 16) FD23A = 11.

IF ((MISSING(FD23B) NE 1)&(MISSING(FD23A) = 1)) FD23A = 6.

*.
* BEGAN DEFINING MARKET OPPORTUNITIES.

IF (FD25A = 13) FD25A = 2.

IF (FD25A = 14) FD25A = 5.

IF (FD25A = 15) FD25A = 8.

IF (FD25A = 16) FD25A = 11.

IF ((MISSING(FD25B) NE 1)&(MISSING(FD25A) = 1)) FD25A = 6.

*.
* BEGAN DEVELOPING FINANCIAL PROJECTIONS.

IF (FD27A = 13) FD27A = 2.

IF (FD27A = 14) FD27A = 5.

IF (FD27A = 15) FD27A = 8.

IF (FD27A = 16) FD27A = 11.

IF ((MISSING(FD27B) NE 1)&(MISSING(FD27A) = 1)) FD27A = 6.

*.
* COMPLETED DETERMINATION OF REGULATORY REQUIREMENTS.

IF (FD29A = 13) FD29A = 2.

IF (FD29A = 14) FD29A = 5.

IF (FD29A = 15) FD29A = 8.

IF (FD29A = 16) FD29A = 11.

IF ((MISSING(FD29B) NE 1)&(MISSING(FD29A) = 1)) FD29A = 6.

*.
* FIRST SOUGHT OUTSIDE FUNDING.

IF (FE2A = 13) FE2A = 2.

IF (FE2A = 14) FE2A = 5.

IF (FE2A = 15) FE2A = 8.

IF (FE2A = 16) FE2A = 11.

IF ((MISSING(FE2B) NE 1)&(MISSING(FE2A) = 1)) FE2A = 6.

*.
* FIRST OUTSIDE FUNDING OBTAINED.

IF (FE4A = 13) FE4A = 2.

IF (FE4A = 14) FE4A = 5.

IF (FE4A = 15) FE4A = 8.

IF (FE4A = 16) FE4A = 11.

IF ((MISSING(FE4B) NE 1)&(MISSING(FE4A) = 1)) FE4A = 6.

*.
* SUPPLIER CREDIT ESTABLISHED.

IF (FE6A = 13) FE6A = 2.

IF (FE6A = 14) FE6A = 5.

IF (FE6A = 15) FE6A = 8.

IF (FE6A = 16) FE6A = 11.

IF ((MISSING(FE6B) NE 1)&(MISSING(FE6A) = 1)) FE6A = 6.

*.
* FIRST PERSON HIRED.

IF (FE8A = 13) FE8A = 2.

IF (FE8A = 14) FE8A = 5.

IF (FE8A = 15) FE8A = 8.

IF (FE8A = 16) FE8A = 11.

IF ((MISSING(FE8B) NE 1)&(MISSING(FE8A) = 1)) FE8A = 6.

*.
* BUSINESS BANK ACCOUNT OPENED.

IF (FE12A = 13) FE12A = 2.

IF (FE12A = 14) FE12A = 5.

IF (FE12A = 15) FE12A = 8.
IF (FE12A = 16) FE12A = 11.
IF ((MISSING(FE12B) NE 1)&(MISSING(FE12A) = 1)) FE12A = 6.

*.
* FIRST INCOME RECEIVED .

IF (FE14A = 13) FE14A = 2.
IF (FE14A = 14) FE14A = 5.
IF (FE14A = 15) FE14A = 8.
IF (FE14A = 16) FE14A = 11.
IF ((MISSING(FE14B) NE 1)&(MISSING(FE14A) = 1)) FE14A = 6.

*.
* MONTHLY REVENUE FIRST EXCEEDED EXPENSES .

IF (FE16A = 13) FE16A = 2.
IF (FE16A = 14) FE16A = 5.
IF (FE16A = 15) FE16A = 8.
IF (FE16A = 16) FE16A = 11.
IF ((MISSING(FE16B) NE 1)&(MISSING(FE16A) = 1)) FE16A = 6.

*.
* ACCOUNTANT RETAINED FOR THE BUSINESS .

IF (FE19A = 13) FE19A = 2.
IF (FE19A = 14) FE19A = 5.
IF (FE19A = 15) FE19A = 8.
IF (FE19A = 16) FE19A = 11.
IF ((MISSING(FE19B) NE 1)&(MISSING(FE19A) = 1)) FE19A = 6.

*.
* LAWYER RETAINED FOR THE BUSINESS .

IF (FE21A = 13) FE21A = 2.
IF (FE21A = 14) FE21A = 5.
IF (FE21A = 15) FE21A = 8.
IF (FE21A = 16) FE21A = 11.
IF ((MISSING(FE21B) NE 1)&(MISSING(FE21A) = 1)) FE21A = 6.

*.
* JOINED TRADE ASSOCIATION.

IF (FE23A = 13) FE23A = 2.
IF (FE23A = 14) FE23A = 5.
IF (FE23A = 15) FE23A = 8.
IF (FE23A = 16) FE23A = 11.
IF ((MISSING(FE23B) NE 1)&(MISSING(FE23A) = 1)) FE23A = 6.

*.
* FIRST ESTABLISHED PHONE/INTERNET CONNECTION.

IF (FE25A = 13) FE25A = 2.
IF (FE25A = 14) FE25A = 5.
IF (FE25A = 15) FE25A = 8.
IF (FE25A = 16) FE25A = 11.
IF ((MISSING(FE25B) NE 1)&(MISSING(FE25A) = 1)) FE25A = 6.

*.
* APPLIED FOR FEDERAL EIN NUMBER .

IF (FE27A = 13) FE27A = 2.
IF (FE27A = 14) FE27A = 5.
IF (FE27A = 15) FE27A = 8.
IF (FE27A = 16) FE27A = 11.
IF ((MISSING(FE27B) NE 1)&(MISSING(FE27A) = 1)) FE27A = 6.

*.
* FIRST FILED FOR DBA [FICTIOUS] NAME WITH GOV AGENCY.

IF (FE29A = 13) FE29A = 2.
 IF (FE29A = 14) FE29A = 5.
 IF (FE29A = 15) FE29A = 8.
 IF (FE29A = 16) FE29A = 11.
 IF ((MISSING(FE29B) NE 1)&(MISSING(FE29A) = 1)) FE29A = 6.
 *.
 * PAID FIRST STATE UNEMPLOYMENT INSURANCE TAXES .
 IF (FE31A = 13) FE31A = 2.
 IF (FE31A = 14) FE31A = 5.
 IF (FE31A = 15) FE31A = 8.
 IF (FE31A = 16) FE31A = 11.
 IF ((MISSING(FE31B) NE 1)&(MISSING(FE31A) = 1)) FE31A = 6.
 *.
 * PAID FIRST FEDERAL FICA [SOC SECURITY] TAXES .
 IF (FE33A = 13) FE33A = 2.
 IF (FE33A = 14) FE33A = 5.
 IF (FE33A = 15) FE33A = 8.
 IF (FE33A = 16) FE33A = 11.
 IF ((MISSING(FE33B) NE 1)&(MISSING(FE33A) = 1)) FE33A = 6.
 *.
 * FILED FIRST FEDERAL INCOME TAX RETURN.
 IF (FE35A = 13) FE35A = 2.
 IF (FE35A = 14) FE35A = 5.
 IF (FE35A = 15) FE35A = 8.
 IF (FE35A = 16) FE35A = 11.
 IF ((MISSING(FE35B) NE 1)&(MISSING(FE35A) = 1)) FE35A = 6.
 *.
 * FIRST TIME KNOW LISTED WITH DUN & BRADSTREET.
 IF (FE37A = 13) FE37A = 2.
 IF (FE37A = 14) FE37A = 5.
 IF (FE37A = 15) FE37A = 8.
 IF (FE37A = 16) FE37A = 11.
 IF ((MISSING(FE37B) NE 1)&(MISSING(FE37A) = 1)) FE37A = 6.
 *.
 DESCRIPTIVES VAR FE37A.
 *.
 * OWNER 1 SIGNED OWNERSHIP SHARES AGREEMENT .
 IF (FG8A_1 = 13) FG8A_1 = 2.
 IF (FG8A_1 = 14) FG8A_1 = 5.
 IF (FG8A_1 = 15) FG8A_1 = 8.
 IF (FG8A_1 = 16) FG8A_1 = 11.
 IF ((MISSING(FG8B_1) NE 1)&(MISSING(FG8A_1) = 1)) FG8A_1 = 6.
 *.
 * OWNER 2 SIGNED OWNERSHIP SHARES AGREEMENT .
 IF (FG8A_2 = 13) FG8A_2 = 2.
 IF (FG8A_2 = 14) FG8A_2 = 5.
 IF (FG8A_2 = 15) FG8A_2 = 8.
 IF (FG8A_2 = 16) FG8A_2 = 11.
 IF ((MISSING(FG8B_2) NE 1)&(MISSING(FG8A_2) = 1)) FG8A_2 = 6.
 *.
 * OWNER 3 SIGNED OWNERSHIP SHARES AGREEMENT .
 IF (FG8A_3 = 13) FG8A_3 = 2.
 IF (FG8A_3 = 14) FG8A_3 = 5.
 IF (FG8A_3 = 15) FG8A_3 = 8.

IF (FG8A_3 = 16) FG8A_3 = 11.
IF ((MISSING(FG8B_3) NE 1)&(MISSING(FG8A_3) = 1)) FG8A_3 = 6.

*.
* OWNER 4 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (FG8A_4 = 13) FG8A_4 = 2.
IF (FG8A_4 = 14) FG8A_4 = 5.
IF (FG8A_4 = 15) FG8A_4 = 8.
IF (FG8A_4 = 16) FG8A_4 = 11.
IF ((MISSING(FG8B_4) NE 1)&(MISSING(FG8A_4) = 1)) FG8A_4 = 6.

*.
* OWNER 5 SIGNED OWNERSHIP SHARES AGREEMENT .

IF (FG8A_5 = 13) FG8A_5 = 2.
IF (FG8A_5 = 14) FG8A_5 = 5.
IF (FG8A_5 = 15) FG8A_5 = 8.
IF (FG8A_5 = 16) FG8A_5 = 11.
IF ((MISSING(FG8B_5) NE 1)&(MISSING(FG8A_5) = 1)) FG8A_5 = 6.

*.
*.
* OWNER 2 BEGAN WORKING FULL TIME FOR NEW BUSINESS .

IF (FH18A_2 = 13) FH18A_2 = 2.
IF (FH18A_2 = 14) FH18A_2 = 5.
IF (FH18A_2 = 15) FH18A_2 = 8.
IF (FH18A_2 = 16) FH18A_2 = 11.
IF ((MISSING(FH18B_2) NE 1)&(MISSING(FH18A_2) = 1)) FH18A_2 = 6.

*.
* OWNER 3 BEGAN WORKING FULL TIME FOR NEW BUSINESS .

IF (FH18A_3 = 13) FH18A_3 = 2.
IF (FH18A_3 = 14) FH18A_3 = 5.
IF (FH18A_3 = 15) FH18A_3 = 8.
IF (FH18A_3 = 16) FH18A_3 = 11.
IF ((MISSING(FH18B_3) NE 1)&(MISSING(FH18A_3) = 1)) FH18A_3 = 6.

*.
* OWNER 4 BEGAN WORKING FULL TIME FOR NEW BUSINESS .

IF (FH18A_4 = 13) FH18A_4 = 2.
IF (FH18A_4 = 14) FH18A_4 = 5.
IF (FH18A_4 = 15) FH18A_4 = 8.
IF (FH18A_4 = 16) FH18A_4 = 11.
IF ((MISSING(FH18B_4) NE 1)&(MISSING(FH18A_4) = 1)) FH18A_4 = 6.

*.
* OWNER 5 BEGAN WORKING FULL TIME FOR NEW BUSINESS .

IF (FH18A_5 = 13) FH18A_5 = 2.
IF (FH18A_5 = 14) FH18A_5 = 5.
IF (FH18A_5 = 15) FH18A_5 = 8.
IF (FH18A_5 = 16) FH18A_5 = 11.
IF ((MISSING(FH18B_5) NE 1)&(MISSING(FH18A_5) = 1)) FH18A_5 = 6.

*.
* OWNER 2 FIRST BECAME INVOLVED WITH START-UP TEAM.

IF (FH9A_2 = 13) FH9A_2 = 2.
IF (FH9A_2 = 14) FH9A_2 = 5.
IF (FH9A_2 = 15) FH9A_2 = 8.
IF (FH9A_2 = 16) FH9A_2 = 11.
IF ((MISSING(FH9B_2) NE 1)&(MISSING(FH9A_2) = 1)) FH9A_2 = 6.

*.

* OWNER 3 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (FH9A_3 = 13) FH9A_3 = 2.
IF (FH9A_3 = 14) FH9A_3 = 5.
IF (FH9A_3 = 15) FH9A_3 = 8.
IF (FH9A_3 = 16) FH9A_3 = 11.
IF ((MISSING(FH9B_3) NE 1)&(MISSING(FH9A_3) = 1)) FH9A_3 = 6.

*.
* OWNER 4 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (FH9A_4 = 13) FH9A_4 = 2.
IF (FH9A_4 = 14) FH9A_4 = 5.
IF (FH9A_4 = 15) FH9A_4 = 8.
IF (FH9A_4 = 16) FH9A_4 = 11.
IF ((MISSING(FH9B_4) NE 1)&(MISSING(FH9A_4) = 1)) FH9A_4 = 6.

*.
* OWNER 5 FIRST BECAME INVOLVED WITH START-UP TEAM.
IF (FH9A_5 = 13) FH9A_5 = 2.
IF (FH9A_5 = 14) FH9A_5 = 5.
IF (FH9A_5 = 15) FH9A_5 = 8.
IF (FH9A_5 = 16) FH9A_5 = 11.
IF ((MISSING(FH9B_5) NE 1)&(MISSING(FH9A_5) = 1)) FH9A_5 = 6.

*.
* LEGAL ENTITY (OWNER 2) FIRST BECAME INVOLVED .
IF (FK7A_2 = 13) FK7A_2 = 2.
IF (FK7A_2 = 14) FK7A_2 = 5.
IF (FK7A_2 = 15) FK7A_2 = 8.
IF (FK7A_2 = 16) FK7A_2 = 11.
IF ((MISSING(FK7B_2) NE 1)&(MISSING(FK7A_2) = 1)) FK7A_2 = 6.

*.
* LEGAL ENTITY (OWNER 3) FIRST BECAME INVOLVED .
IF (FK7A_3 = 13) FK7A_3 = 2.
IF (FK7A_3 = 14) FK7A_3 = 5.
IF (FK7A_3 = 15) FK7A_3 = 8.
IF (FK7A_3 = 16) FK7A_3 = 11.
IF ((MISSING(FK7B_3) NE 1)&(MISSING(FK7A_3) = 1)) FK7A_3 = 6.

*.
* LEGAL ENTITY (OWNER 4) FIRST BECAME INVOLVED .
IF (FK7A_4 = 13) FK7A_4 = 2.
IF (FK7A_4 = 14) FK7A_4 = 5.
IF (FK7A_4 = 15) FK7A_4 = 8.
IF (FK7A_4 = 16) FK7A_4 = 11.
IF ((MISSING(FK7B_4) NE 1)&(MISSING(FK7A_4) = 1)) FK7A_4 = 6.

*.
* LEGAL ENTITY (OWNER 5) FIRST BECAME INVOLVED .
IF (FK7A_5 = 13) FK7A_5 = 2.
IF (FK7A_5 = 14) FK7A_5 = 5.
IF (FK7A_5 = 15) FK7A_5 = 8.
IF (FK7A_5 = 16) FK7A_5 = 11.
IF ((MISSING(FK7B_5) NE 1)&(MISSING(FK7A_5) = 1)) FK7A_5 = 6.

*.
* NON-OWNER 1 WORK FULL TIME ON START-UP TEAM .
IF (FM16A_1 = 13) FM16A_1 = 2.
IF (FM16A_1 = 14) FM16A_1 = 5.
IF (FM16A_1 = 15) FM16A_1 = 8.
IF (FM16A_1 = 16) FM16A_1 = 11.

```

IF ((MISSING(FM16B_1) NE 1)&(MISSING(FM16A_1) = 1)) FM16A_1 = 6.
*.
* NON-OWNER 2 WORK FULL TIME ON START-UP TEAM .
IF (FM16A_2 = 13) FM16A_2 = 2.
IF (FM16A_2 = 14) FM16A_2 = 5.
IF (FM16A_2 = 15) FM16A_2 = 8.
IF (FM16A_2 = 16) FM16A_2 = 11.
IF ((MISSING(FM16B_2) NE 1)&(MISSING(FM16A_2) = 1)) FM16A_2 = 6.
*.
* NON-OWNER 3 WORK FULL TIME ON START-UP TEAM .
IF (FM16A_3 = 13) FM16A_3 = 2.
IF (FM16A_3 = 14) FM16A_3 = 5.
IF (FM16A_3 = 15) FM16A_3 = 8.
IF (FM16A_3 = 16) FM16A_3 = 11.
IF ((MISSING(FM16B_3) NE 1)&(MISSING(FM16A_3) = 1)) FM16A_3 = 6.

```

```

FREQ VAR FA8A FB9A FC3A FC5A FD3A FD4A FD7A FD8A FD10A
FD12A FD14A FD15A FD17A FD19A FD21A FD23A FD25A
FD27A FD29A FE2A FE4A FE6A FE8A FE12A FE14A
FE16A FE19A FE21A FE23A FE25A FE27A FE29A FE31A
FE33A FE35A FE37A
FG8A_1 FG8A_2 FG8A_3 FG8A_4 FG8A_5
FH9A_2 FH9A_3 FH9A_4 FH9A_5
    FH18A_2 FH18A_3 FH18A_4 FH18A_5
FK7A_2 FK7A_3 FK7A_4 FK7A_5
FM16A_1 FM16A_2 FM16A_3
/ORDER VARIABLE.

```

```

*.
* ORIGINAL PROGRAMMING TOOK START-UP EVENTS FROM TWO FILES.
*.

```

MISSING VALUES

```

FQ14B_1 FQ14B_2 FQ14B_3 FQ14B_4 FQ14B_5
FR2B (9998 9999)
FQ14A_1 FQ14A_2 FQ14A_3 FQ14A_4 FQ14A_5
FR2A (98 99).

```

```

*.
ADD VALUE LABEL
    FQ14A_1 FQ14A_2 FQ14A_3 FQ14A_4 FQ14A_5
    FR2A
    17 'NOT COMPLETED'.

```

```

*.
FREQ VAR
    FQ14A_1 FQ14A_2 FQ14A_3 FQ14A_4 FQ14A_5
    FR2A
/ORDER VARIABLES.

```

```

*.
*.
*.
* OWNER #1 INITIAL INVESTMENT.

```

```

IF (FQ14A_1 = 13) FQ14A_1 = 2.
IF (FQ14A_1 = 14) FQ14A_1 = 5.
IF (FQ14A_1 = 15) FQ14A_1 = 8.
IF (FQ14A_1 = 16) FQ14A_1 = 11.
IF ((MISSING(FQ14B_1) NE 1)&(MISSING(FQ14A_1) = 1)) FQ14A_1 = 6.

```

```

*.
*
OWNER #2 INITIAL INVESTMENT.
IF (FQ14A_2 = 13) FQ14A_2 = 2.
IF (FQ14A_2 = 14) FQ14A_2 = 5.
IF (FQ14A_2 = 15) FQ14A_2 = 8.
IF (FQ14A_2 = 16) FQ14A_2 = 11.
IF ((MISSING(FQ14B_2) NE 1)&(MISSING(FQ14A_2) = 1)) FQ14A_2 = 6.
*.
*
OWNER #3 INITIAL INVESTMENT.
IF (FQ14A_3 = 13) FQ14A_3 = 2.
IF (FQ14A_3 = 14) FQ14A_3 = 5.
IF (FQ14A_3 = 15) FQ14A_3 = 8.
IF (FQ14A_3 = 16) FQ14A_3 = 11.
IF ((MISSING(FQ14B_3) NE 1)&(MISSING(FQ14A_3) = 1)) FQ14A_3 = 6.
*.
*
OWNER #4 INITIAL INVESTMENT.
IF (FQ14A_4 = 13) FQ14A_4 = 2.
IF (FQ14A_4 = 14) FQ14A_4 = 5.
IF (FQ14A_4 = 15) FQ14A_4 = 8.
IF (FQ14A_4 = 16) FQ14A_4 = 11.
IF ((MISSING(FQ14B_4) NE 1)&(MISSING(FQ14A_4) = 1)) FQ14A_4 = 6.
*.
*
OWNER #5 INITIAL INVESTMENT.
IF (FQ14A_5 = 13) FQ14A_5 = 2.
IF (FQ14A_5 = 14) FQ14A_5 = 5.
IF (FQ14A_5 = 15) FQ14A_5 = 8.
IF (FQ14A_5 = 16) FQ14A_5 = 11.
IF ((MISSING(FQ14B_5) NE 1)&(MISSING(FQ14A_5) = 1)) FQ14A_5 = 6.
*.
*
FIRST FINANCIAL SUPPORT RECEIVED .
IF (FR2A = 13) FR2A = 2.
IF (FR2A = 14) FR2A = 5.
IF (FR2A = 15) FR2A = 8.
IF (FR2A = 16) FR2A = 11.
IF ((MISSING(FR2B) NE 1)&(MISSING(FR2A) = 1)) FR2A = 6.
*.
FREQ VAR
  FQ14A_1 FQ14A_2 FQ14A_3 FQ14A_4 FQ14A_5
  FR2A/
ORDER VARIABLES.
*.
*.
*.
SAVE OUTFILE= 'C:\PSED_II\WAVE_F\SPSS_SAV\ACTS_F01.SAV'.
EXPORT OUTFILE= 'C:\PSED_II\WAVE_F\SPSS_OUT\ACTS_F01.POR'.
*.
FINISH.
EXIT.

```

TITLE 'C:\PSED_II\WAVE_D\SPSS_PRO\ACTS_F02.SPS'.
SUBTITLE 'SELECT EARLIEST ACTS FROM WAVES A,B,C,D,E,F'.

*.
* SPSS 15 SYNTAX REVISED FROM SPSS PC SYNTAX.

*.
*=====.
SET HEADER = YES
/ERRORS = LISTING
/RESULTS = LISTING
/PRINTBACK = LISTING
/MESSAGES = LISTING
/ONUMBERS = BOTH
/OVARS = BOTH
/TNUMBERS = BOTH
/TVARS = BOTH
/TFIT = LABELS.

*.
SHOW.
*.
* SPSS-PC COMMAND STATEMENTS.

*.
* GET FILE= 'C:\PSED_II\WAVE_F\SPSS_SAV\ACTS_F01.SAV'.
*.
*=====.

*.
* COMPUTE INTERVIEW DATES IN SPSS STANDARD FORMAT.
*.
*=====.

*.
COMPUTE IWDATE_A = (YRMODA(IWYEAR,IWMONTH,IWDAY)).
COMPUTE IWDATE_B = (YRMODA(IWYEARB,IWMONTHB,IWDAYB)).
COMPUTE IWDATE_C = (YRMODA(IWYEARC,IWMONTHC,IWDAYC)).
COMPUTE IWDATE_D = (YRMODA(IWYEARD,IWMONTHD,IWDAYD)).
COMPUTE IWDATE_E = (YRMODA(IWYEARE,IWMONTHE,IWDAYE)).
COMPUTE IWDATE_F = (YRMODA(IWYEARF,IWMONTHF,IWDAYF)).

*.
VARIABLES LABELS

IWDATE_A 'DATE OF WAVE A INTERVIEW:SPSS BENCHMARK'/
IWDATE_B 'DATE OF WAVE B INTERVIEW:SPSS BENCHMARK'/
IWDATE_C 'DATE OF WAVE C INTERVIEW:SPSS BENCHMARK'/
IWDATE_D 'DATE OF WAVE D INTERVIEW:SPSS BENCHMARK'/
IWDATE_E 'DATE OF WAVE E INTERVIEW:SPSS BENCHMARK'/
IWDATE_F 'DATE OF WAVE F INTERVIEW:SPSS BENCHMARK'.

*.
DESCRIPTIVES VAR= IWDATE_A IWDATE_B IWDATE_C IWDATE_D IWDATE_E IWDATE_F.
*.
*=====.

*.
* HERE DATE ADDED FROM ORC SCREENING FILE IN SPSS PC SYNTAX.
*.
* COMPUTE VARIABLES IN ORC SCREENING FILE IN SPSS PC SYNTAX.
*.
*.

```

COMPUTE MOSURV = (TRUNC(DATEIW/10000)).
*.
COMPUTE DASURV = ((TRUNC((MOD(DATEIW,10000))/1000))*10)+
  ((TRUNC((MOD(DATEIW, 1000))/ 100))*1).
*.
COMPUTE YRSURV = 2000 +
  ((TRUNC((MOD(DATEIW, 100))/ 10))*10)+
  ((TRUNC((MOD(DATEIW, 10))/ 1))*1).
*.
VARIABLES LABEL
  MOSURV 'SCREENING INTERVIEW COMPLETED:MONTH'/
  DASURV 'SCREENING INTERVIEW COMPLETED:DAY'/
  YRSURV 'SCREENING INTERVIEW COMPLETED:YEAR'.
*.
FREQ VAR MOSURV DASURV YRSURV
  /ORDER VARIABLE.
*.
COMPUTE IWDATE_S = (YRMODA(YRSURV,MOSURV,DASURV)).
VARIABLE LABEL
  IWDATE_S 'DATE ORC SCREENING COMPLETED'.
*.
DESCRIPTIVES IWDATE_S IWDATE_A IWDATE_B IWDATE_C IWDATE_D.
*.
COMPUTE LAG_S_A = (IWDATE_A - IWDATE_S).
COMPUTE LAG_S_B = (IWDATE_B - IWDATE_S).
COMPUTE LAG_S_C = (IWDATE_C - IWDATE_S).
COMPUTE LAG_S_D = (IWDATE_D - IWDATE_S).
COMPUTE LAG_S_E = (IWDATE_E - IWDATE_S).
COMPUTE LAG_S_F = (IWDATE_F - IWDATE_S).
*.
COMPUTE LAG_A_B = (IWDATE_B - IWDATE_A).
COMPUTE LAG_A_C = (IWDATE_C - IWDATE_A).
COMPUTE LAG_A_D = (IWDATE_D - IWDATE_A).
COMPUTE LAG_A_E = (IWDATE_E - IWDATE_A).
COMPUTE LAG_A_F = (IWDATE_F - IWDATE_A).
*.
COMPUTE LAG_B_C = (IWDATE_C - IWDATE_B).
COMPUTE LAG_B_D = (IWDATE_D - IWDATE_B).
COMPUTE LAG_B_E = (IWDATE_E - IWDATE_B).
COMPUTE LAG_B_F = (IWDATE_F - IWDATE_B).
*.
COMPUTE LAG_C_D = (IWDATE_D - IWDATE_C).
COMPUTE LAG_C_E = (IWDATE_E - IWDATE_C).
COMPUTE LAG_C_F = (IWDATE_F - IWDATE_C).
*.
COMPUTE LAG_D_E = (IWDATE_E - IWDATE_D).
COMPUTE LAG_D_F = (IWDATE_F - IWDATE_D).
*.
COMPUTE LAG_E_F = (IWDATE_F - IWDATE_E).
*.
VARIABLE LABELS
  LAG_S_A 'DAYS LAG: SCREEN IW TO WAVE A IW'/
  LAG_S_B 'DAYS LAG: SCREEN IW TO WAVE B IW'/
  LAG_S_C 'DAYS LAG: SCREEN IW TO WAVE C IW'/

```

LAG_S_D 'DAYS LAG: SCREEN IW TO WAVE D IW'/
LAG_S_E 'DAYS LAG: SCREEN IW TO WAVE E IW'/
LAG_S_F 'DAYS LAG: SCREEN IW TO WAVE F IW'/
LAG_A_B 'DAYS LAG: WAVE A IW TO WAVE B IW'/
LAG_A_C 'DAYS LAG: WAVE A IW TO WAVE C IW'/
LAG_A_D 'DAYS LAG: WAVE A IW TO WAVE D IW'/
LAG_A_E 'DAYS LAG: WAVE A IW TO WAVE E IW'/
LAG_A_F 'DAYS LAG: WAVE A IW TO WAVE F IW'/
LAG_B_C 'DAYS LAG: WAVE B IW TO WAVE C IW'/
LAG_B_D 'DAYS LAG: WAVE B IW TO WAVE D IW'/
LAG_B_E 'DAYS LAG: WAVE B IW TO WAVE E IW'/
LAG_B_F 'DAYS LAG: WAVE B IW TO WAVE F IW'/
LAG_C_D 'DAYS LAG: WAVE C IW TO WAVE D IW'/
LAG_C_E 'DAYS LAG: WAVE C IW TO WAVE E IW'/
LAG_C_F 'DAYS LAG: WAVE C IW TO WAVE F IW'/
LAG_D_E 'DAYS LAG: WAVE D IW TO WAVE E IW'/
LAG_D_F 'DAYS LAG: WAVE D IW TO WAVE F IW'/
LAG_E_F 'DAYS LAG: WAVE E IW TO WAVE F IW'.

*.
EXECUTE.
*.
DESCRIPTIVES VAR LAG_S_A TO LAG_E_F.

*.
*=====.
*.
* CALCULATE DATES FOR WAVE A START-UP ACTIVITY.
*.
*=====.

*.
COMPUTE THINK_2A = (YRMODA(AA8B,AA8A,15)).
COMPUTE SPACE_2A = (YRMODA(AB9B,AB9A,15)).
COMPUTE LEGAL_2A = (YRMODA(AC3B,AC3A,15)).
COMPUTE LIABIS2A = (YRMODA(AC5B,AC5A,15)).
COMPUTE BUSPLN2A = (YRMODA(AD3B,AD3A,15)).
*.
COMPUTE BSPLFI2A = (YRMODA(AD4B,AD4A,15)).
COMPUTE MODEL_2A = (YRMODA(AD7B,AD7A,15)).
COMPUTE PRDCPL2A = (YRMODA(AD8B,AD8A,15)).
COMPUTE PROMOT2A = (YRMODA(AD10B,AD10A,15)).
COMPUTE PRTECH2A = (YRMODA(AD12B,AD12A,15)).
*.
COMPUTE PATENT2A = (YRMODA(AD14B,AD14A,15)).
COMPUTE GOTPNT2A = (YRMODA(AD15B,AD15A,15)).
COMPUTE LEASE_2A = (YRMODA(AD17B,AD17A,15)).
COMPUTE PURCHA2A = (YRMODA(AD19B,AD19A,15)).
COMPUTE TLKCST2A = (YRMODA(AD21B,AD21A,15)).
*.
COMPUTE IFOCPT2A = (YRMODA(AD23B,AD23A,15)).
COMPUTE DFNMKT2A = (YRMODA(AD25B,AD25A,15)).
COMPUTE FINPRJ2A = (YRMODA(AD27B,AD27A,15)).
COMPUTE FNDREG2A = (YRMODA(AD29B,AD29A,15)).
COMPUTE ASKFND2A = (YRMODA(AE2B,AE2A,15)).

```

*.
COMPUTE GETFND2A = (YRMODA(AE4B,AE4A,15)).
COMPUTE SUPCRD2A = (YRMODA(AE6B,AE6A,15)).
COMPUTE HIRE__2A = (YRMODA(AE8B,AE8A,15)).
COMPUTE BKACCT2A = (YRMODA(AE12B,AE12A,15)).
COMPUTE SALES_2A = (YRMODA(AE14B,AE14A,15)).
*.
*   KEEP ONLY CSHFL DATE IF SALARIES INCLUDED IN EXPENSES.
*   VAR AE17 SORTS OUT ONLY THOSE WITH SALRIES INCLUDED IN EXPENSES.
*.
FREQ VAR AE17.
*.
IF   (AE17 = 1)   CSHFL_2A = (YRMODA(AE16B,AE16A,15)).
*.
MEANS TABLE CSHFL_2A BY AE17.
*.
COMPUTE HRACCT2A = (YRMODA(AE19B,AE19A,15)).
COMPUTE HRLAWR2A = (YRMODA(AE21B,AE21A,15)).
COMPUTE TDASOC2A = (YRMODA(AE23B,AE23A,15)).
COMPUTE PHLIST2A = (YRMODA(AE25B,AE25A,15)).
*.
COMPUTE EIN__2A = (YRMODA(AE27B,AE27A,15)).
COMPUTE DBA__2A = (YRMODA(AE29B,AE29A,15)).
COMPUTE UNEMP_2A = (YRMODA(AE31B,AE31A,15)).
COMPUTE FICA__2A = (YRMODA(AE33B,AE33A,15)).
COMPUTE FEDTAX2A = (YRMODA(AE35B,AE35A,15)).
*.
COMPUTE DANDB_2A = (YRMODA(AE37B,AE37A,15)).
*.
COMPUTE EQTAG2A1 = (YRMODA(AG8B_1,AG8A_1,15)).
COMPUTE EQTAG2A2 = (YRMODA(AG8B_2,AG8A_2,15)).
COMPUTE EQTAG2A3 = (YRMODA(AG8B_3,AG8A_3,15)).
COMPUTE EQTAG2A4 = (YRMODA(AG8B_4,AG8A_4,15)).
COMPUTE EQTAG2A5 = (YRMODA(AG8B_5,AG8A_5,15)).
*.
COMPUTE INVOL2A2 = (YRMODA(AH9B_2,AH9A_2,15)).
COMPUTE INVOL2A3 = (YRMODA(AH9B_3,AH9A_3,15)).
COMPUTE INVOL2A4 = (YRMODA(AH9B_4,AH9A_4,15)).
COMPUTE INVOL2A5 = (YRMODA(AH9B_5,AH9A_5,15)).
*.
COMPUTE FTWK_2A1 = (YRMODA(AH18B_1,AH18A_1,15)).
COMPUTE FTWK_2A2 = (YRMODA(AH18B_2,AH18A_2,15)).
COMPUTE FTWK_2A3 = (YRMODA(AH18B_3,AH18A_3,15)).
COMPUTE FTWK_2A4 = (YRMODA(AH18B_4,AH18A_4,15)).
COMPUTE FTWK_2A5 = (YRMODA(AH18B_5,AH18A_5,15)).
*.
COMPUTE LEINV2A2 = (YRMODA(AK7B_2,AK7A_2,15)).
COMPUTE LEINV2A3 = (YRMODA(AK7B_3,AK7A_3,15)).
COMPUTE LEINV2A4 = (YRMODA(AK7B_4,AK7A_4,15)).
COMPUTE LEINV2A5 = (YRMODA(AK7B_5,AK7A_5,15)).
*.
COMPUTE KEYFT2A1 = (YRMODA(AM16B_1,AM16A_1,15)).
COMPUTE KEYFT2A2 = (YRMODA(AM16B_2,AM16A_2,15)).
COMPUTE KEYFT2A3 = (YRMODA(AM16B_3,AM16A_3,15)).

```

*

VARIABLE LABELS

THINK_2A 'PSEDII WA DATE:INITIAL SERIOUS THOUGHT'/
SPACE_2A 'PSEDII WA DATE:FIRST USE PHYSICAL SPACE'/
LEGAL_2A 'PSEDII WA DATE:LEGAL FORM REGISTERED'/
LIABIS2A 'PSEDII WA DATE:LIABILITY INSURANCE BOUGHT'/
BUSPLN2A 'PSEDII WA DATE:BUSINESS PLAN INITIATED'/
BSPLFI2A 'PSEDII WA DATE:BUSINESS PLAN COMPLETED'/
MODEL_2A 'PSEDII WA DATE:MODEL,PROTOTPE INITIATED'/
PRDCPL2A 'PSEDII WA DATE:MODEL,PROTOTPE COMPLETED'/
PROMOT2A 'PSEDII WA DATE:PROMOT 4 PROD/SERV INITIATED'/
PRTECH2A 'PSEDII WA DATE:PROPRIET TECH FULLY DEVELOP'/
PATENT2A 'PSEDII WA DATE:PATENT,TRADE,COPY INITIATED'/
GOTPNT2A 'PSEDII WA DATE:PATENT,TRADE,COPY OBTAINED'/
LEASE_2A 'PSEDII WA DATE:PURC,LEASED CAPITAL ASSET'/
PURCHA2A 'PSEDII WA DATE:PURC,MATERIAL,SUPPL,INVENT'/
TLKCST2A 'PSEDII WA DATE:BEGAN TO TALK TO CUSTOMERS'/
IFOCPT2A 'PSEDII WA DATE:BEGAN COLLECT COMPETIR INFO'/
DFNMKT2A 'PSEDII WA DATE:DEFINING MARKETS INITIATED'/
FINPRJ2A 'PSEDII WA DATE:FINANCIAL PROJECT INITIATED'/
FNDREG2A 'PSEDII WA DATE:DETERMINED REGULAT REQUIRE'/
ASKFND2A 'PSEDII WA DATE:FIRST ASKED FOR FUNDING'/
GETFND2A 'PSEDII WA DATE:GOT FIRST FUNDING'/
SUPCRD2A 'PSEDII WA DATE:SUPPLIER CREDIT ESTABLISHED'/
HIRE__2A 'PSEDII WA DATE:FIRST PERSON HIRED'/
BKACCT2A 'PSEDII WA DATE:OPENED BANK ACCT FOR BUSINESS'/
SALES_2A 'PSEDII WA DATE:FIRST INCOME RECEIVED'/
CSHFL_2A 'PSEDII WA DATE:FIRST MTHLY POSIT CASH FLOW'/
HRACCT2A 'PSEDII WA DATE:HIRED ACCOUNTANT'/
HRLAWR2A 'PSEDII WA DATE:HIRED LAWYER'/
TDASOC2A 'PSEDII WA DATE:JOINED TRADE ASSOCIATION'/
PHLIST2A 'PSEDII WA DATE:GOT INTERNET/PHONE LISTING'/
EIN__2A 'PSEDII WA DATE:FILED FOR FEDERAL EIN NUMBER'/
DBA__2A 'PSEDII WA DATE:FILED FICTICIOUS (DBA) NAME'/
UNEMP_2A 'PSEDII WA DATE:FIRST STATE UNEMPLOYMENT INS'/
FICA__2A 'PSEDII WA DATE:FIRST FEDERAL FICA PAYMENT'/
FEDTAX2A 'PSEDII WA DATE:FIRST FEDERAL INCOME TAX'/
DANDB_2A 'PSEDII WA DATE:KNOW LISTED IN D&B'/
EQTAG2A1 'PSEDII WA DATE:SIGNED AGREE:OWN #1'/
EQTAG2A2 'PSEDII WA DATE:SIGNED AGREE:OWN #2'/
EQTAG2A3 'PSEDII WA DATE:SIGNED AGREE:OWN #3'/
EQTAG2A4 'PSEDII WA DATE:SIGNED AGREE:OWN #4'/
EQTAG2A5 'PSEDII WA DATE:SIGNED AGREE:OWN #5'/
INVOL2A2 'PSEDII WA DATE:BECAME INVOLVED:OWN#2'/
INVOL2A3 'PSEDII WA DATE:BECAME INVOLVED:OWN#3'/
INVOL2A4 'PSEDII WA DATE:BECAME INVOLVED:OWN#4'/
INVOL2A5 'PSEDII WA DATE:BECAME INVOLVED:OWN#5'/
FTWK_2A1 'PSEDII WA DATE:FULL TIME INVOLVED:OWN#1'/
FTWK_2A2 'PSEDII WA DATE:FULL TIME INVOLVED:OWN#2'/
FTWK_2A3 'PSEDII WA DATE:FULL TIME INVOLVED:OWN#3'/
FTWK_2A4 'PSEDII WA DATE:FULL TIME INVOLVED:OWN#4'/
FTWK_2A5 'PSEDII WA DATE:FULL TIME INVOLVED:OWN#5'/
LEINV2A2 'PSEDII WA DATE:BECAME INVOLVED:LEGAL#2'/
LEINV2A3 'PSEDII WA DATE:BECAME INVOLVED:LEGAL#3'/


```

*.
COMPUTE BSPLFI2B = (YRMODA(BD4B ,BD4A,15)).
COMPUTE MODEL_2B = (YRMODA(BD7B ,BD7A,15)).
COMPUTE PRDCPL2B = (YRMODA(BD8B ,BD8A,15)).
COMPUTE PROMOT2B = (YRMODA(BD10B,BD10A,15)).
COMPUTE PRTECH2B = (YRMODA(BD12B,BD12A,15)).
*.
COMPUTE PATENT2B = (YRMODA(BD14B,BD14A,15)).
COMPUTE GOTPNT2B = (YRMODA(BD15B,BD15A,15)).
COMPUTE LEASE_2B = (YRMODA(BD17B,BD17A,15)).
COMPUTE PURCHA2B = (YRMODA(BD19B,BD19A,15)).
COMPUTE TLKCST2B = (YRMODA(BD21B,BD21A,15)).
*.
COMPUTE IFOCPT2B = (YRMODA(BD23B,BD23A,15)).
COMPUTE DFNMKT2B = (YRMODA(BD25B,BD25A,15)).
COMPUTE FINPRJ2B = (YRMODA(BD27B,BD27A,15)).
COMPUTE FNDREG2B = (YRMODA(BD29B,BD29A,15)).
COMPUTE ASKFND2B = (YRMODA(BE2B ,BE2A,15)).
*.
COMPUTE GETFND2B = (YRMODA(BE4B ,BE4A,15)).
COMPUTE SUPCRD2B = (YRMODA(BE6B ,BE6A,15)).
COMPUTE HIRE__2B = (YRMODA(BE8B ,BE8A,15)).
COMPUTE BKACCT2B = (YRMODA(BE12B,BE12A,15)).
COMPUTE SALES_2B = (YRMODA(BE14B,BE14A,15)).
*.
EXECUTE.
*.
DESCRIPTIVES VAR THINK_2B TO SALES_2B.
*.
*   KEEP ONLY CSHFL DATE IF SALARIES INCLUDED IN EXPENSES.
*   VAR AE17 SORTS OUT ONLY THOSE WITH SALRIES INCLUDED IN EXPENSES.
*.
FREQ VAR BE17.
*.
IF   (BE17 = 1)   CSHFL_2B = (YRMODA(BE16B,BE16A,15)).
*.
MEANS TABLE CSHFL_2B BY BE17.
*.
COMPUTE HRACCT2B = (YRMODA(BE19B,BE19A,15)).
COMPUTE HRLAWR2B = (YRMODA(BE21B,BE21A,15)).
COMPUTE TDASOC2B = (YRMODA(BE23B,BE23A,15)).
COMPUTE PHLIST2B = (YRMODA(BE25B,BE25A,15)).
*.
COMPUTE EIN__2B = (YRMODA(BE27B,BE27A,15)).
COMPUTE DBA__2B = (YRMODA(BE29B,BE29A,15)).
COMPUTE UNEMP_2B = (YRMODA(BE31B,BE31A,15)).
COMPUTE FICA__2B = (YRMODA(BE33B,BE33A,15)).
COMPUTE FEDTAX2B = (YRMODA(BE35B,BE35A,15)).
*.
COMPUTE DANDB_2B = (YRMODA(BE37B,BE37A,15)).
*.
COMPUTE EQTAG2B1 = (YRMODA(BG8B_1,BG8A_1,15)).
COMPUTE EQTAG2B2 = (YRMODA(BG8B_2,BG8A_2,15)).
COMPUTE EQTAG2B3 = (YRMODA(BG8B_3,BG8A_3,15)).

```

COMPUTE EQTAG2B4 = (YRMODA(BG8B_4,BG8A_4,15)).
COMPUTE EQTAG2B5 = (YRMODA(BG8B_5,BG8A_5,15)).

.*

COMPUTE INVOL2B2 = (YRMODA(BH9B_2,BH9A_2,15)).
COMPUTE INVOL2B3 = (YRMODA(BH9B_3,BH9A_3,15)).
COMPUTE INVOL2B4 = (YRMODA(BH9B_4,BH9A_4,15)).
COMPUTE INVOL2B5 = (YRMODA(BH9B_5,BH9A_5,15)).

.*

*COMPUTE FTWK_2B1 = (YRMODA(BH18B_1,BH18A_1,15)).

.*

COMPUTE FTWK_2B2 = (YRMODA(BH18B_2,BH18A_2,15)).
COMPUTE FTWK_2B3 = (YRMODA(BH18B_3,BH18A_3,15)).
COMPUTE FTWK_2B4 = (YRMODA(BH18B_4,BH18A_4,15)).
COMPUTE FTWK_2B5 = (YRMODA(BH18B_5,BH18A_5,15)).

.*

COMPUTE LEINV2B2 = (YRMODA(BK7B_2,BK7A_2,15)).
COMPUTE LEINV2B3 = (YRMODA(BK7B_3,BK7A_3,15)).
COMPUTE LEINV2B4 = (YRMODA(BK7B_4,BK7A_4,15)).
COMPUTE LEINV2B5 = (YRMODA(BK7B_5,BK7A_5,15)).

.*

COMPUTE KEYFT2B1 = (YRMODA(BM16B_1,BM16A_1,15)).
COMPUTE KEYFT2B2 = (YRMODA(BM16B_2,BM16A_2,15)).
COMPUTE KEYFT2B3 = (YRMODA(BM16B_3,BM16A_3,15)).

.*

VARIABLE LABELS

THINK_2B 'PSEDII WB DATE:INITIAL SERIOUS THOUGHT'/
SPACE_2B 'PSEDII WB DATE:FIRST USE PHYSICAL SPACE'/
LEGAL_2B 'PSEDII WB DATE:LEGAL FORM REGISTERED'/
LIABIS2B 'PSEDII WB DATE:LIABILITY INSURANCE BOUGHT'/
BUSPLN2B 'PSEDII WB DATE:BUSINESS PLAN INITIATED'/
BSPLFI2B 'PSEDII WB DATE:BUSINESS PLAN COMPLETED'/
MODEL_2B 'PSEDII WB DATE:MODEL,PROTOTPE INITIATED'/
PRDCPL2B 'PSEDII WB DATE:MODEL,PROTOTPE COMPLETED'/
PROMOT2B 'PSEDII WB DATE:PROMOT 4 PROD/SERV INITIATED'/
PRTECH2B 'PSEDII WB DATE:PROPRIET TECH FULLY DEVELOP'/
PATENT2B 'PSEDII WB DATE:PATENT,TRADE,COPY INITIATED'/
GOTPNT2B 'PSEDII WB DATE:PATENT,TRADE,COPY OBTAINED'/
LEASE_2B 'PSEDII WB DATE:PURC,LEASED CAPITAL ASSET'/
PURCHA2B 'PSEDII WB DATE:PURC,MATERIAL,SUPPL,INVENT'/
TLKCST2B 'PSEDII WB DATE:BEGAN TO TALK TO CUSTOMERS'/
IFOCPT2B 'PSEDII WB DATE:BEGAN COLLECT COMPETIR INFO'/
DFNMKT2B 'PSEDII WB DATE:DEFINING MARKETS INITIATED'/
FINPRJ2B 'PSEDII WB DATE:FINANCIAL PROJECT INITIATED'/
FNDREG2B 'PSEDII WB DATE:DETERMINED REGULAT REQUIRE'/
ASKFND2B 'PSEDII WB DATE:FIRST ASKED FOR FUNDING'/
GETFND2B 'PSEDII WB DATE:GOT FIRST FUNDING'/
SUPCRD2B 'PSEDII WB DATE:SUPPLIER CREDIT ESTABLISHED'/
HIRE__2B 'PSEDII WB DATE:FIRST PERSON HIRED'/
BKACCT2B 'PSEDII WB DATE:OPENED BANK ACCT FOR BUSINESS'/
SALES_2B 'PSEDII WB DATE:FIRST INCOME RECEIVED'/
CSHFL_2B 'PSEDII WB DATE:FIRST MTHLY POSIT CASH FLOW'/
HRACCT2B 'PSEDII WB DATE:HIRED ACCOUNTANT'/
HRLAWR2B 'PSEDII WB DATE:HIRED LAWYER'/
TDASOC2B 'PSEDII WB DATE:JOINED TRADE ASSOCIATION'/

PHLIST2B 'PSEDII WB DATE:GOT INTERNET/PHONE LISTING'/
EIN__2B 'PSEDII WB DATE:FILED FOR FEDERAL EIN NUMBER'/
DBA__2B 'PSEDII WB DATE:FILED FICTICIOUS (DBA) NAME'/
UNEMP_2B 'PSEDII WB DATE:FIRST STATE UNEMPLOYMENT INS'/
FICA__2B 'PSEDII WB DATE:FIRST FEDERAL FICA PAYMENT'/
FEDTAX2B 'PSEDII WB DATE:FIRST FEDERAL INCOME TAX'/
DANDB_2B 'PSEDII WB DATE:KNOW LISTED IN D&B'/
EQTAG2B1 'PSEDII WB DATE:SIGNED AGREE:OWN #1'/
EQTAG2B2 'PSEDII WB DATE:SIGNED AGREE:OWN #2'/
EQTAG2B3 'PSEDII WB DATE:SIGNED AGREE:OWN #3'/
EQTAG2B4 'PSEDII WB DATE:SIGNED AGREE:OWN #4'/
EQTAG2B5 'PSEDII WB DATE:SIGNED AGREE:OWN #5'/
INVOL2B2 'PSEDII WB DATE:BECAME INVOLVED:OWN#2'/
INVOL2B3 'PSEDII WB DATE:BECAME INVOLVED:OWN#3'/
INVOL2B4 'PSEDII WB DATE:BECAME INVOLVED:OWN#4'/
INVOL2B5 'PSEDII WB DATE:BECAME INVOLVED:OWN#5'/
FTWK_2B2 'PSEDII WB DATE:FULL TIME INVOLVED:OWN#2'/
FTWK_2B3 'PSEDII WB DATE:FULL TIME INVOLVED:OWN#3'/
FTWK_2B4 'PSEDII WB DATE:FULL TIME INVOLVED:OWN#4'/
FTWK_2B5 'PSEDII WB DATE:FULL TIME INVOLVED:OWN#5'/
LEINV2B2 'PSEDII WB DATE:BECAME INVOLVED:LEGAL#2'/
LEINV2B3 'PSEDII WB DATE:BECAME INVOLVED:LEGAL#3'/
LEINV2B4 'PSEDII WB DATE:BECAME INVOLVED:LEGAL#4'/
LEINV2B5 'PSEDII WB DATE:BECAME INVOLVED:LEGAL#5'/
KEYFT2B1 'PSEDII WB DATE:FULL TIME WK:KEY NONOWN#1'/
KEYFT2B2 'PSEDII WB DATE:FULL TIME WK:KEY NONOWN#2'/
KEYFT2B3 'PSEDII WB DATE:FULL TIME WK:KEY NONOWN#3'.

*.

HERE SECOND FILE WAS ADDED TO ACTIVE FILE IN SPSS PC SYNTAS.

*.

*.

*COMPUTE HLPFT2B1 = (YRMODA(BN16B_1,BN16A_1,15)).

*COMPUTE HLPFT2B2 = (YRMODA(BN16B_2,BN16A_2,15)).

*COMPUTE HLPFT2B3 = (YRMODA(BN16B_3,BN16A_3,15)).

*.

COMPUTE ONINV2B1 = (YRMODA(BQ14B_1,BQ14A_1,15)).

COMPUTE ONINV2B2 = (YRMODA(BQ14B_2,BQ14A_2,15)).

COMPUTE ONINV2B3 = (YRMODA(BQ14B_3,BQ14A_3,15)).

COMPUTE ONINV2B4 = (YRMODA(BQ14B_4,BQ14A_4,15)).

COMPUTE ONINV2B5 = (YRMODA(BQ14B_5,BQ14A_5,15)).

*.

COMPUTE FINSPT2B = (YRMODA(BR2B,BR2A,15)).

*.

FREQ VAR IWYEARB IWMONTHB IWDAYB/FORMAT ONEPAGE/ORDER VARIABLES.

*.

COMPUTE IWDATE_B = (YRMODA(IWYEARB,IWMONTHB,IWDAYB)).

*.

VARIABLE LABELS

ONINV2B1 'PSEDII WB DATE:FIRST INVEST:OWNER#1'/

ONINV2B2 'PSEDII WB DATE:FIRST INVEST:OWNER#2'/

ONINV2B3 'PSEDII WB DATE:FIRST INVEST:OWNER#3'/

ONINV2B4 'PSEDII WB DATE:FIRST INVEST:OWNER#4'/

ONINV2B5 'PSEDII WB DATE:FIRST INVEST:OWNER#5'/

FINSPT2B 'PSEDII WB DATE:FIRST FINANCIAL SUPPORT'/

IWDATE_B 'PSEDII WB DATE:COMPLETED PH INTERVIEW B'.

*.

EXECUTE.

*.

DESCRIPTIVES VAR = THINK_2B TO FINSPT2B.

DESCRIPTIVES VAR = IWDATE_B.

FREQ VAR IWDATE_B.

*.

*=====

*.

* CALCULATE DATES FOR WAVE C START-UP ACTIVITY.

*.

*=====

*.

COMPUTE THINK_2C = (YRMODA(CA8B,CA8A,15)).

COMPUTE SPACE_2C = (YRMODA(CB9B,CB9A,15)).

COMPUTE LEGAL_2C = (YRMODA(CC3B,CC3A,15)).

COMPUTE LIABIS2C = (YRMODA(CC5B,CC5A,15)).

COMPUTE BUSPLN2C = (YRMODA(CD3B,CD3A,15)).

*.

COMPUTE BSPLFI2C = (YRMODA(CD4B ,CD4A,15)).

COMPUTE MODEL_2C = (YRMODA(CD7B ,CD7A,15)).

COMPUTE PRDCPL2C = (YRMODA(CD8B ,CD8A,15)).

COMPUTE PROMOT2C = (YRMODA(CD10B,CD10A,15)).

COMPUTE PRTECH2C = (YRMODA(CD12B,CD12A,15)).

*.

COMPUTE PATENT2C = (YRMODA(CD14B,CD14A,15)).

COMPUTE GOTPNT2C = (YRMODA(CD15B,CD15A,15)).

COMPUTE LEASE_2C = (YRMODA(CD17B,CD17A,15)).

COMPUTE PURCHA2C = (YRMODA(CD19B,CD19A,15)).

COMPUTE TLKCST2C = (YRMODA(CD21B,CD21A,15)).

*.

COMPUTE IFOCPT2C = (YRMODA(CD23B,CD23A,15)).

COMPUTE DFNMKT2C = (YRMODA(CD25B,CD25A,15)).

COMPUTE FINPRJ2C = (YRMODA(CD27B,CD27A,15)).

COMPUTE FNDREG2C = (YRMODA(CD29B,CD29A,15)).

COMPUTE ASKFND2C = (YRMODA(CE2B ,CE2A,15)).

*.

COMPUTE GETFND2C = (YRMODA(CE4B ,CE4A,15)).

COMPUTE SUPCRD2C = (YRMODA(CE6B ,CE6A,15)).

COMPUTE HIRE__2C = (YRMODA(CE8B ,CE8A,15)).

COMPUTE BKACCT2C = (YRMODA(CE12B,CE12A,15)).

COMPUTE SALES_2C = (YRMODA(CE14B,CE14A,15)).

*.

* KEEP ONLY CSHFL DATE IF SALARIES INCLUDED IN EXPENSES.

* VAR AE17 SORTS OUT ONLY THOSE WITH SALRIES INCLUDED IN EXPENSES.

*.

FREQ VAR CE17.

*.

IF (CE17 = 1) CSHFL_2C = (YRMODA(CE16B,CE16A,15)).

*.

MEANS TABLE CSHFL_2C BY CE17.

*.

COMPUTE HRACCT2C = (YRMODA(CE19B,CE19A,15)).

```

COMPUTE HRLAWR2C = (YRMODA(CE21B,CE21A,15)).
COMPUTE TDASOC2C = (YRMODA(CE23B,CE23A,15)).
COMPUTE PHLIST2C = (YRMODA(CE25B,CE25A,15)).
*.
COMPUTE EIN__2C = (YRMODA(CE27B,CE27A,15)).
COMPUTE DBA__2C = (YRMODA(CE29B,CE29A,15)).
COMPUTE UNEMP_2C = (YRMODA(CE31B,CE31A,15)).
COMPUTE FICA__2C = (YRMODA(CE33B,CE33A,15)).
COMPUTE FEDTAX2C = (YRMODA(CE35B,CE35A,15)).
*.
COMPUTE DANDB_2C = (YRMODA(CE37B,CE37A,15)).
*.
COMPUTE EQTAG2C1 = (YRMODA(CG8B_1,CG8A_1,15)).
COMPUTE EQTAG2C2 = (YRMODA(CG8B_2,CG8A_2,15)).
COMPUTE EQTAG2C3 = (YRMODA(CG8B_3,CG8A_3,15)).
COMPUTE EQTAG2C4 = (YRMODA(CG8B_4,CG8A_4,15)).
COMPUTE EQTAG2C5 = (YRMODA(CG8B_5,CG8A_5,15)).
*.
COMPUTE INVOL2C2 = (YRMODA(CH9B_2,CH9A_2,15)).
COMPUTE INVOL2C3 = (YRMODA(CH9B_3,CH9A_3,15)).
COMPUTE INVOL2C4 = (YRMODA(CH9B_4,CH9A_4,15)).
COMPUTE INVOL2C5 = (YRMODA(CH9B_5,CH9A_5,15)).
*.
*COMPUTE FTWK_2C1 = (YRMODA(CH18B_1,CH18A_1,15)).
*.
COMPUTE FTWK_2C2 = (YRMODA(CH18B_2,CH18A_2,15)).
COMPUTE FTWK_2C3 = (YRMODA(CH18B_3,CH18A_3,15)).
COMPUTE FTWK_2C4 = (YRMODA(CH18B_4,CH18A_4,15)).
COMPUTE FTWK_2C5 = (YRMODA(CH18B_5,CH18A_5,15)).
*.
COMPUTE LEINV2C2 = (YRMODA(CK7B_2,CK7A_2,15)).
COMPUTE LEINV2C3 = (YRMODA(CK7B_3,CK7A_3,15)).
COMPUTE LEINV2C4 = (YRMODA(CK7B_4,CK7A_4,15)).
COMPUTE LEINV2C5 = (YRMODA(CK7B_5,CK7A_5,15)).
*.
COMPUTE KEYFT2C1 = (YRMODA(CM16B_1,CM16A_1,15)).
COMPUTE KEYFT2C2 = (YRMODA(CM16B_2,CM16A_2,15)).
COMPUTE KEYFT2C3 = (YRMODA(CM16B_3,CM16A_3,15)).
*.
VARIABLE LABELS
  THINK_2C 'PSEDII WC DATE:INITIAL SERIOUS THOUGHT'/
  SPACE_2C 'PSEDII WC DATE:FIRST USE PHYSICAL SPACE'/
  LEGAL_2C 'PSEDII WC DATE:LEGAL FORM REGISTERED'/
  LIABIS2C 'PSEDII WC DATE:LIABILITY INSURANCE BOUGHT'/
  BUSPLN2C 'PSEDII WC DATE:BUSINESS PLAN INITIATED'/
  BSPLFI2C 'PSEDII WC DATE:BUSINESS PLAN COMPLETED'/
  MODEL_2C 'PSEDII WC DATE:MODEL,PROTOTPE INITIATED'/
  PRDCPL2C 'PSEDII WC DATE:MODEL,PROTOTPE COMPLETED'/
  PROMOT2C 'PSEDII WC DATE:PROMOT 4 PROD/SERV INITIATED'/
  PRTECH2C 'PSEDII WC DATE:PROPRIET TECH FULLY DEVELOP'/
  PATENT2C 'PSEDII WC DATE:PATENT,TRADE,COPY INITIATED'/
  GOTPNT2C 'PSEDII WC DATE:PATENT,TRADE,COPY OBTAINED'/
  LEASE_2C 'PSEDII WC DATE:PURC,LEASED CAPITAL ASSET'/
  PURCHA2C 'PSEDII WC DATE:PURC,MATERIAL,SUPPL,INVENT'/

```


COMPUTE ONINV2C5 = (YRMODA(CQ14B_5,CQ14A_5,15)).

*.

COMPUTE FINSPT2C = (YRMODA(CR2B,CR2A,15)).

*.

FREQ VAR IWYEARC IWMONTHC IWDAYC/FORMAT ONEPAGE/ORDER VARIABLES.

*.

COMPUTE IWDATE_C = (YRMODA(IWYEARC,IWMONTHC,IWDAYC)).

EXECUTE.

FREQ VAR IWDATE_C.

*.

VARIABLE LABELS

ONINV2C1 'PSEDII WC DATE:FIRST INVEST:OWNER#1/'

ONINV2C2 'PSEDII WC DATE:FIRST INVEST:OWNER#2/'

ONINV2C3 'PSEDII WC DATE:FIRST INVEST:OWNER#3/'

ONINV2C4 'PSEDII WC DATE:FIRST INVEST:OWNER#4/'

ONINV2C5 'PSEDII WC DATE:FIRST INVEST:OWNER#5/'

FINSPT2C 'PSEDII WC DATE:FIRST FINANCIAL SUPPORT/'

IWDATE_C 'PSEDII WC DATE:COMPLETED PH INTERVIEW C'.

*.

EXECUTE.

*.

DESCRIPTIVES VAR = THINK_2C TO FINSPT2C.

FREQ VAR IWDATE_C.

DESCRIPTIVES VAR = IWDATE_C.

*.

=====

*.

CALCULATE DATES FOR WAVE D START-UP ACTIVITY.

*.

=====

*.

COMPUTE THINK_2D = (YRMODA(DA8B,DA8A,15)).

COMPUTE SPACE_2D = (YRMODA(DB9B,DB9A,15)).

COMPUTE LEGAL_2D = (YRMODA(DC3B,DC3A,15)).

COMPUTE LIABIS2D = (YRMODA(DC5B,DC5A,15)).

COMPUTE BUSPLN2D = (YRMODA(DD3B,DD3A,15)).

*.

COMPUTE BSPLFI2D = (YRMODA(DD4B ,DD4A,15)).

COMPUTE MODEL_2D = (YRMODA(DD7B ,DD7A,15)).

COMPUTE PRDCPL2D = (YRMODA(DD8B ,DD8A,15)).

COMPUTE PROMOT2D = (YRMODA(DD10B,DD10A,15)).

COMPUTE PRTECH2D = (YRMODA(DD12B,DD12A,15)).

*.

COMPUTE PATENT2D = (YRMODA(DD14B,DD14A,15)).

COMPUTE GOTPNT2D = (YRMODA(DD15B,DD15A,15)).

COMPUTE LEASE_2D = (YRMODA(DD17B,DD17A,15)).

COMPUTE PURCHA2D = (YRMODA(DD19B,DD19A,15)).

COMPUTE TLKCST2D = (YRMODA(DD21B,DD21A,15)).

*.

COMPUTE IFOCPT2D = (YRMODA(DD23B,DD23A,15)).

COMPUTE DFNMKT2D = (YRMODA(DD25B,DD25A,15)).

COMPUTE FINPRJ2D = (YRMODA(DD27B,DD27A,15)).

COMPUTE FNDREG2D = (YRMODA(DD29B,DD29A,15)).


```

COMPUTE ASKFND2D = (YRMODA(DE2B ,DE2A,15)).
*.
COMPUTE GETFND2D = (YRMODA(DE4B ,DE4A,15)).
COMPUTE SUPCRD2D = (YRMODA(DE6B ,DE6A,15)).
COMPUTE HIRE__2D = (YRMODA(DE8B ,DE8A,15)).
COMPUTE BKACCT2D = (YRMODA(DE12B,DE12A,15)).
COMPUTE SALES_2D = (YRMODA(DE14B,DE14A,15)).
*.
*   KEEP ONLY CSHFL DATE IF SALARIES INCLUDED IN EXPENSES.
*   VAR AE17 SORTS OUT ONLY THOSE WITH SALRIES INCLUDED IN EXPENSES.
*.
FREQ VAR DE17.
*.
IF   (DE17 = 1)   CSHFL_2D = (YRMODA(DE16B,DE16A,15)).
*.
MEANS TABLE CSHFL_2D BY DE17.
*.
COMPUTE HRACCT2D = (YRMODA(DE19B,DE19A,15)).
COMPUTE HRLAWR2D = (YRMODA(DE21B,DE21A,15)).
COMPUTE TDASOC2D = (YRMODA(DE23B,DE23A,15)).
COMPUTE PHLIST2D = (YRMODA(DE25B,DE25A,15)).
*.
COMPUTE EIN__2D = (YRMODA(DE27B,DE27A,15)).
COMPUTE DBA__2D = (YRMODA(DE29B,DE29A,15)).
COMPUTE UNEMP_2D = (YRMODA(DE31B,DE31A,15)).
COMPUTE FICA__2D = (YRMODA(DE33B,DE33A,15)).
COMPUTE FEDTAX2D = (YRMODA(DE35B,DE35A,15)).
*.
COMPUTE DANDB_2D = (YRMODA(DE37B,DE37A,15)).
*.
COMPUTE EQTAG2D1 = (YRMODA(DG8B_1,DG8A_1,15)).
COMPUTE EQTAG2D2 = (YRMODA(DG8B_2,DG8A_2,15)).
COMPUTE EQTAG2D3 = (YRMODA(DG8B_3,DG8A_3,15)).
COMPUTE EQTAG2D4 = (YRMODA(DG8B_4,DG8A_4,15)).
COMPUTE EQTAG2D5 = (YRMODA(DG8B_5,DG8A_5,15)).
*.
COMPUTE INVOL2D2 = (YRMODA(DH9B_2,DH9A_2,15)).
COMPUTE INVOL2D3 = (YRMODA(DH9B_3,DH9A_3,15)).
COMPUTE INVOL2D4 = (YRMODA(DH9B_4,DH9A_4,15)).
COMPUTE INVOL2D5 = (YRMODA(DH9B_5,DH9A_5,15)).
*.
*COMPUTE   FTWK_2D1 = (YRMODA(DH18B_1,DH18A_1,15)).
*.
COMPUTE FTWK_2D2 = (YRMODA(DH18B_2,DH18A_2,15)).
COMPUTE FTWK_2D3 = (YRMODA(DH18B_3,DH18A_3,15)).
COMPUTE FTWK_2D4 = (YRMODA(DH18B_4,DH18A_4,15)).
COMPUTE FTWK_2D5 = (YRMODA(DH18B_5,DH18A_5,15)).
*.
COMPUTE LEINV2D2 = (YRMODA(DK7B_2,DK7A_2,15)).
COMPUTE LEINV2D3 = (YRMODA(DK7B_3,DK7A_3,15)).
COMPUTE LEINV2D4 = (YRMODA(DK7B_4,DK7A_4,15)).
COMPUTE LEINV2D5 = (YRMODA(DK7B_5,DK7A_5,15)).
*.
COMPUTE KEYFT2D1 = (YRMODA(DM16B_1,DM16A_1,15)).

```

COMPUTE KEYFT2D2 = (YRMODA(DM16B_2,DM16A_2,15)).
COMPUTE KEYFT2D3 = (YRMODA(DM16B_3,DM16A_3,15)).

*

VARIABLE LABELS

THINK_2D 'PSEDII WC DATE:INITIAL SERIOUS THOUGHT'/
SPACE_2D 'PSEDII WC DATE:FIRST USE PHYSICAL SPACE'/
LEGAL_2D 'PSEDII WC DATE:LEGAL FORM REGISTERED'/
LIABIS2D 'PSEDII WC DATE:LIABILITY INSURANCE BOUGHT'/
BUSPLN2D 'PSEDII WC DATE:BUSINESS PLAN INITIATED'/
BSPLFI2D 'PSEDII WC DATE:BUSINESS PLAN COMPLETED'/
MODEL_2D 'PSEDII WC DATE:MODEL,PROTOTPE INITIATED'/
PRDCPL2D 'PSEDII WC DATE:MODEL,PROTOTPE COMPLETED'/
PROMOT2D 'PSEDII WC DATE:PROMOT 4 PROD/SERV INITIATED'/
PRTECH2D 'PSEDII WC DATE:PROPRIET TECH FULLY DEVELOP'/
PATENT2D 'PSEDII WC DATE:PATENT,TRADE,COPY INITIATED'/
GOTPNT2D 'PSEDII WC DATE:PATENT,TRADE,COPY OBTAINED'/
LEASE_2D 'PSEDII WC DATE:PURC,LEASED CAPITAL ASSET'/
PURCHA2D 'PSEDII WC DATE:PURC,MATERIAL,SUPPL,INVENT'/
TLKCST2D 'PSEDII WC DATE:BEGAN TO TALK TO CUSTOMERS'/
IFOCPT2D 'PSEDII WC DATE:BEGAN COLLECT COMPETIR INFO'/
DFNMKT2D 'PSEDII WC DATE:DEFINING MARKETS INITIATED'/
FINPRJ2D 'PSEDII WC DATE:FINANCIAL PROJECT INITIATED'/
FNDREG2D 'PSEDII WC DATE:DETERMINED REGULAT REQUIRE'/
ASKFND2D 'PSEDII WC DATE:FIRST ASKED FOR FUNDING'/
GETFND2D 'PSEDII WC DATE:GOT FIRST FUNDING'/
SUPCRD2D 'PSEDII WC DATE:SUPPLIER CREDIT ESTABLISHED'/
HIRE__2D 'PSEDII WC DATE:FIRST PERSON HIRED'/
BKACCT2D 'PSEDII WC DATE:OPENED BANK ACCT FOR BUSINESS'/
SALES_2D 'PSEDII WC DATE:FIRST INCOME RECEIVED'/
CSHFL_2D 'PSEDII WC DATE:FIRST MTHLY POSIT CASH FLOW'/
HRACCT2D 'PSEDII WC DATE:HIRED ACCOUNTANT'/
HRLAWR2D 'PSEDII WC DATE:HIRED LAWYER'/
TDASOC2D 'PSEDII WC DATE:JOINED TRADE ASSOCIATION'/
PHLIST2D 'PSEDII WC DATE:GOT INTERNET/PHONE LISTING'/
EIN__2D 'PSEDII WC DATE:FILED FOR FEDERAL EIN NUMBER'/
DBA__2D 'PSEDII WC DATE:FILED FICTICIOUS (DBA) NAME'/
UNEMP_2D 'PSEDII WC DATE:FIRST STATE UNEMPLOYMENT INS'/
FICA__2D 'PSEDII WC DATE:FIRST FEDERAL FICA PAYMENT'/
FEDTAX2D 'PSEDII WC DATE:FIRST FEDERAL INCOME TAX'/
DANDB_2D 'PSEDII WC DATE:KNOW LISTED IN D&B'/
EQTAG2D1 'PSEDII WC DATE:SIGNED AGREE:OWN #1'/
EQTAG2D2 'PSEDII WC DATE:SIGNED AGREE:OWN #2'/
EQTAG2D3 'PSEDII WC DATE:SIGNED AGREE:OWN #3'/
EQTAG2D4 'PSEDII WC DATE:SIGNED AGREE:OWN #4'/
EQTAG2D5 'PSEDII WC DATE:SIGNED AGREE:OWN #5'/
INVOL2D2 'PSEDII WC DATE:BECAME INVOLVED:OWN#2'/
INVOL2D3 'PSEDII WC DATE:BECAME INVOLVED:OWN#3'/
INVOL2D4 'PSEDII WC DATE:BECAME INVOLVED:OWN#4'/
INVOL2D5 'PSEDII WC DATE:BECAME INVOLVED:OWN#5'/
FTWK_2D2 'PSEDII WC DATE:FULL TIME INVOLVED:OWN#2'/
FTWK_2D3 'PSEDII WC DATE:FULL TIME INVOLVED:OWN#3'/
FTWK_2D4 'PSEDII WC DATE:FULL TIME INVOLVED:OWN#4'/
FTWK_2D5 'PSEDII WC DATE:FULL TIME INVOLVED:OWN#5'/
LEINV2D2 'PSEDII WC DATE:BECAME INVOLVED:LEGAL#2'/

```
LEINV2D3 'PSEDII WC DATE:BECAME INVOLVED:LEGAL#3'/
LEINV2D4 'PSEDII WC DATE:BECAME INVOLVED:LEGAL#4'/
LEINV2D5 'PSEDII WC DATE:BECAME INVOLVED:LEGAL#5'/
KEYFT2D1 'PSEDII WC DATE:FULL TIME WK:KEY NONOWN#1'/
KEYFT2D2 'PSEDII WC DATE:FULL TIME WK:KEY NONOWN#2'/
KEYFT2D3 'PSEDII WC DATE:FULL TIME WK:KEY NONOWN#3'.
```

*.

```
* HERE SECOND FILE WAS ADDED TO ACTIVE FILE IN SPSS PC SYNTAS.
```

*.

*.

```
*COMPUTE HLPFT2D1 = (YRMODA(DN16B_1,DN16A_1,15)).
```

```
*COMPUTE HLPFT2D2 = (YRMODA(DN16B_2,DN16A_2,15)).
```

```
*COMPUTE HLPFT2D3 = (YRMODA(DN16B_3,DN16A_3,15)).
```

*.

```
COMPUTE ONINV2D1 = (YRMODA(DQ14B_1,DQ14A_1,15)).
```

```
COMPUTE ONINV2D2 = (YRMODA(DQ14B_2,DQ14A_2,15)).
```

```
COMPUTE ONINV2D3 = (YRMODA(DQ14B_3,DQ14A_3,15)).
```

```
COMPUTE ONINV2D4 = (YRMODA(DQ14B_4,DQ14A_4,15)).
```

```
COMPUTE ONINV2D5 = (YRMODA(DQ14B_5,DQ14A_5,15)).
```

*.

```
COMPUTE FINSPT2D = (YRMODA(DR2B,DR2A,15)).
```

*.

```
FREQ VAR IWYEARC IWMONTHC IWDAYC/FORMAT ONEPAGE/ORDER VARIABLES.
```

*.

```
COMPUTE IWDATE_C = (YRMODA(IWYEARC,IWMONTHC,IWDAYC)).
```

```
EXECUTE.
```

```
FREQ VAR IWDATE_C.
```

*.

```
VARIABLE LABELS
```

```
ONINV2D1 'PSEDII WC DATE:FIRST INVEST:OWNER#1'/
```

```
ONINV2D2 'PSEDII WC DATE:FIRST INVEST:OWNER#2'/
```

```
ONINV2D3 'PSEDII WC DATE:FIRST INVEST:OWNER#3'/
```

```
ONINV2D4 'PSEDII WC DATE:FIRST INVEST:OWNER#4'/
```

```
ONINV2D5 'PSEDII WC DATE:FIRST INVEST:OWNER#5'/
```

```
FINSPT2D 'PSEDII WC DATE:FIRST FINANCIAL SUPPORT'/
```

```
IWDATE_C 'PSEDII WC DATE:COMPLETED PH INTERVIEW C'.
```

*.

```
EXECUTE.
```

*.

```
DESCRIPTIVES VAR = THINK_2D TO FINSPT2D.
```

*.

```
*=====
```

*.

```
* CALCULATE DATES FOR WAVE E START-UP ACTIVITY.
```

*.

```
*=====
```

*.

```
COMPUTE THINK_2E = (YRMODA(EA8B,EA8A,15)).
```

```
COMPUTE SPACE_2E = (YRMODA(EB9B,EB9A,15)).
```

```
COMPUTE LEGAL_2E = (YRMODA(EC3B,EC3A,15)).
```

```
COMPUTE LIABIS2E = (YRMODA(EC5B,EC5A,15)).
```

```
COMPUTE BUSPLN2E = (YRMODA(ED3B,ED3A,15)).
```

*.

```
COMPUTE BSPLFI2E = (YRMODA(ED4B ,ED4A,15)).
```

```

COMPUTE MODEL_2E = (YRMODA(ED7B ,ED7A,15)).
COMPUTE PRDCPL2E = (YRMODA(ED8B ,ED8A,15)).
COMPUTE PROMOT2E = (YRMODA(ED10B,ED10A,15)).
COMPUTE PRTECH2E = (YRMODA(ED12B,ED12A,15)).
*.
COMPUTE PATENT2E = (YRMODA(ED14B,ED14A,15)).
COMPUTE GOTPNT2E = (YRMODA(ED15B,ED15A,15)).
COMPUTE LEASE_2E = (YRMODA(ED17B,ED17A,15)).
COMPUTE PURCHA2E = (YRMODA(ED19B,ED19A,15)).
COMPUTE TLKCST2E = (YRMODA(ED21B,ED21A,15)).
*.
COMPUTE IFOCPT2E = (YRMODA(ED23B,ED23A,15)).
COMPUTE DFNMKT2E = (YRMODA(ED25B,ED25A,15)).
COMPUTE FINPRJ2E = (YRMODA(ED27B,ED27A,15)).
COMPUTE FNDREG2E = (YRMODA(ED29B,ED29A,15)).
COMPUTE ASKFND2E = (YRMODA(EE2B ,EE2A,15)).
*.
COMPUTE GETFND2E = (YRMODA(EE4B ,EE4A,15)).
COMPUTE SUPCRD2E = (YRMODA(EE6B ,EE6A,15)).
COMPUTE HIRE__2E = (YRMODA(EE8B ,EE8A,15)).
COMPUTE BKACCT2E = (YRMODA(EE12B,EE12A,15)).
COMPUTE SALES_2E = (YRMODA(EE14B,EE14A,15)).
*.
EXECUTE.
*.
DESCRIPTIVES VAR THINK_2E TO SALES_2E.
*.
*   KEEP ONLY CSHFL DATE IF SALARIES INCLUDED IN EXPENSES.
*   VAR AE17 SORTS OUT ONLY THOSE WITH SALRIES INCLUDED IN EXPENSES.
*.
FREQ VAR EE17.
*.
IF (EE17 = 1)   CSHFL_2E = (YRMODA(EE16B,EE16A,15)).
*.
MEANS TABLE CSHFL_2E BY EE17.
*.
COMPUTE HRACCT2E = (YRMODA(EE19B,EE19A,15)).
COMPUTE HRLAWR2E = (YRMODA(EE21B,EE21A,15)).
COMPUTE TDASOC2E = (YRMODA(EE23B,EE23A,15)).
COMPUTE PHLIST2E = (YRMODA(EE25B,EE25A,15)).
*.
COMPUTE EIN__2E = (YRMODA(EE27B,EE27A,15)).
COMPUTE DBA__2E = (YRMODA(EE29B,EE29A,15)).
COMPUTE UNEMP_2E = (YRMODA(EE31B,EE31A,15)).
COMPUTE FICA__2E = (YRMODA(EE33B,EE33A,15)).
COMPUTE FEDTAX2E = (YRMODA(EE35B,EE35A,15)).
*.
COMPUTE DANDB_2E = (YRMODA(EE37B,EE37A,15)).
*.
COMPUTE EQTAG2E1 = (YRMODA(EG8B_1,EG8A_1,15)).
COMPUTE EQTAG2E2 = (YRMODA(EG8B_2,EG8A_2,15)).
COMPUTE EQTAG2E3 = (YRMODA(EG8B_3,EG8A_3,15)).
COMPUTE EQTAG2E4 = (YRMODA(EG8B_4,EG8A_4,15)).
COMPUTE EQTAG2E5 = (YRMODA(EG8B_5,EG8A_5,15)).

```

*.
COMPUTE INVOL2E2 = (YRMODA(EH9B_2,EH9A_2,15)).
COMPUTE INVOL2E3 = (YRMODA(EH9B_3,EH9A_3,15)).
COMPUTE INVOL2E4 = (YRMODA(EH9B_4,EH9A_4,15)).
COMPUTE INVOL2E5 = (YRMODA(EH9B_5,EH9A_5,15)).

*.
*COMPUTE FTWK_2B1 = (YRMODA(EH18B_1,EH18A_1,15)).

*.
COMPUTE FTWK_2E2 = (YRMODA(EH18B_2,EH18A_2,15)).
COMPUTE FTWK_2E3 = (YRMODA(EH18B_3,EH18A_3,15)).
COMPUTE FTWK_2E4 = (YRMODA(EH18B_4,EH18A_4,15)).
COMPUTE FTWK_2E5 = (YRMODA(EH18B_5,EH18A_5,15)).

*.
COMPUTE LEINV2E2 = (YRMODA(EK7B_2,EK7A_2,15)).
COMPUTE LEINV2E3 = (YRMODA(EK7B_3,EK7A_3,15)).
COMPUTE LEINV2E4 = (YRMODA(EK7B_4,EK7A_4,15)).
COMPUTE LEINV2E5 = (YRMODA(EK7B_5,EK7A_5,15)).

*.
COMPUTE KEYFT2E1 = (YRMODA(EM16B_1,EM16A_1,15)).
COMPUTE KEYFT2E2 = (YRMODA(EM16B_2,EM16A_2,15)).
COMPUTE KEYFT2E3 = (YRMODA(EM16B_3,EM16A_3,15)).

*.
VARIABLE LABELS

THINK_2E 'PSEDII WE DATE:INITIAL SERIOUS THOUGHT'/
SPACE_2E 'PSEDII WE DATE:FIRST USE PHYSICAL SPACE'/
LEGAL_2E 'PSEDII WE DATE:LEGAL FORM REGISTERED'/
LIABIS2E 'PSEDII WE DATE:LIABILITY INSURANCE BOUGHT'/
BUSPLN2E 'PSEDII WE DATE:BUSINESS PLAN INITIATED'/
BSPLFI2E 'PSEDII WE DATE:BUSINESS PLAN COMPLETED'/
MODEL_2E 'PSEDII WE DATE:MODEL,PROTOTPE INITIATED'/
PRDCPL2E 'PSEDII WE DATE:MODEL,PROTOTPE COMPLETED'/
PROMOT2E 'PSEDII WE DATE:PROMOT 4 PROD/SERV INITIATED'/
PRTECH2E 'PSEDII WE DATE:PROPRIET TECH FULLY DEVELOP'/
PATENT2E 'PSEDII WE DATE:PATENT,TRADE,COPY INITIATED'/
GOTPNT2E 'PSEDII WE DATE:PATENT,TRADE,COPY OBTAINED'/
LEASE_2E 'PSEDII WE DATE:PURC,LEASED CAPITAL ASSET'/
PURCHA2E 'PSEDII WE DATE:PURC,MATERIAL,SUPPL,INVENT'/
TLKCST2E 'PSEDII WE DATE:BEGAN TO TALK TO CUSTOMERS'/
IFOCPT2E 'PSEDII WE DATE:BEGAN COLLECT COMPETIR INFO'/
DFNMKT2E 'PSEDII WE DATE:DEFINING MARKETS INITIATED'/
FINPRJ2E 'PSEDII WE DATE:FINANCIAL PROJECT INITIATED'/
FNDREG2E 'PSEDII WE DATE:DETERMINED REGULAT REQUIRE'/
ASKFND2E 'PSEDII WE DATE:FIRST ASKED FOR FUNDING'/
GETFND2E 'PSEDII WE DATE:GOT FIRST FUNDING'/
SUPCRD2E 'PSEDII WE DATE:SUPPLIER CREDIT ESTABLISHED'/
HIRE__2E 'PSEDII WE DATE:FIRST PERSON HIRED'/
BKACCT2E 'PSEDII WE DATE:OPENED BANK ACCT FOR BUSINESS'/
SALES_2E 'PSEDII WE DATE:FIRST INCOME RECEIVED'/
CSHFL_2E 'PSEDII WE DATE:FIRST MTHLY POSIT CASH FLOW'/
HRACCT2E 'PSEDII WE DATE:HIRED ACCOUNTANT'/
HRLAWR2E 'PSEDII WE DATE:HIRED LAWYER'/
TDASOC2E 'PSEDII WE DATE:JOINED TRADE ASSOCIATION'/
PHLIST2E 'PSEDII WE DATE:GOT INTERNET/PHONE LISTING'/
EIN___2E 'PSEDII WE DATE:FILED FOR FEDERAL EIN NUMBER'/

DBA__2E 'PSEDII WE DATE:FILED FICTICIOUS (DBA) NAME'/
UNEMP_2E 'PSEDII WE DATE:FIRST STATE UNEMPLOYMENT INS'/
FICA__2E 'PSEDII WE DATE:FIRST FEDERAL FICA PAYMENT'/
FEDTAX2E 'PSEDII WE DATE:FIRST FEDERAL INCOME TAX'/
DANDB_2E 'PSEDII WE DATE:KNOW LISTED IN D&B'/
EQTAG2E1 'PSEDII WE DATE:SIGNED AGREE:OWN #1'/
EQTAG2E2 'PSEDII WE DATE:SIGNED AGREE:OWN #2'/
EQTAG2E3 'PSEDII WE DATE:SIGNED AGREE:OWN #3'/
EQTAG2E4 'PSEDII WE DATE:SIGNED AGREE:OWN #4'/
EQTAG2E5 'PSEDII WE DATE:SIGNED AGREE:OWN #5'/
INVOL2E2 'PSEDII WE DATE:BECAME INVOLVED:OWN#2'/
INVOL2E3 'PSEDII WE DATE:BECAME INVOLVED:OWN#3'/
INVOL2E4 'PSEDII WE DATE:BECAME INVOLVED:OWN#4'/
INVOL2E5 'PSEDII WE DATE:BECAME INVOLVED:OWN#5'/
FTWK_2E2 'PSEDII WE DATE:FULL TIME INVOLVED:OWN#2'/
FTWK_2E3 'PSEDII WE DATE:FULL TIME INVOLVED:OWN#3'/
FTWK_2E4 'PSEDII WE DATE:FULL TIME INVOLVED:OWN#4'/
FTWK_2E5 'PSEDII WE DATE:FULL TIME INVOLVED:OWN#5'/
LEINV2E2 'PSEDII WE DATE:BECAME INVOLVED:LEGAL#2'/
LEINV2E3 'PSEDII WE DATE:BECAME INVOLVED:LEGAL#3'/
LEINV2E4 'PSEDII WE DATE:BECAME INVOLVED:LEGAL#4'/
LEINV2E5 'PSEDII WE DATE:BECAME INVOLVED:LEGAL#5'/
KEYFT2E1 'PSEDII WE DATE:FULL TIME WK:KEY NONOWN#1'/
KEYFT2E2 'PSEDII WE DATE:FULL TIME WK:KEY NONOWN#2'/
KEYFT2E3 'PSEDII WE DATE:FULL TIME WK:KEY NONOWN#3'.

*.

HERE SECOND FILE WAS ADDED TO ACTIVE FILE IN SPSS PC SYNTAS.

*.

*.

*COMPUTE HLPFT2E1 = (YRMODA(EN16B_1,EN16A_1,15)).
*COMPUTE HLPFT2E2 = (YRMODA(EN16B_2,EN16A_2,15)).
*COMPUTE HLPFT2E3 = (YRMODA(EN16B_3,EN16A_3,15)).

*.

COMPUTE ONINV2E1 = (YRMODA(EQ14B_1,EQ14A_1,15)).
COMPUTE ONINV2E2 = (YRMODA(EQ14B_2,EQ14A_2,15)).
COMPUTE ONINV2E3 = (YRMODA(EQ14B_3,EQ14A_3,15)).
COMPUTE ONINV2E4 = (YRMODA(EQ14B_4,EQ14A_4,15)).
COMPUTE ONINV2E5 = (YRMODA(EQ14B_5,EQ14A_5,15)).

*.

COMPUTE FINSPT2E = (YRMODA(ER2B,ER2A,15)).

*.

FREQ VAR IWYEARE IWMONTH IWDA YE/FORMAT ONEPAGE/ORDER VARIABLES.

*.

COMPUTE IWDATE_E = (YRMODA(IWYEARE,IWMONTH, IWDA YE)).

*.

VARIABLE LABELS

ONINV2E1 'PSEDII WE DATE:FIRST INVEST:OWNER#1'/
ONINV2E2 'PSEDII WE DATE:FIRST INVEST:OWNER#2'/
ONINV2E3 'PSEDII WE DATE:FIRST INVEST:OWNER#3'/
ONINV2E4 'PSEDII WE DATE:FIRST INVEST:OWNER#4'/
ONINV2E5 'PSEDII WE DATE:FIRST INVEST:OWNER#5'/
FINSPT2E 'PSEDII WE DATE:FIRST FINANCIAL SUPPORT'/
IWDATE_E 'PSEDII WE DATE:COMPLETED PH INTERVIEW E'.

*.

EXECUTE.

*.
DESCRIPTIVES VAR = THINK_2E TO FINSPT2E.
DESCRIPTIVES VAR = IWDATE_E.
FREQ VAR IWDATE_E.

*.
*=====

*.
* CALCULATE DATES FOR WAVE F START-UP ACTIVITY.
*.

*=====

*.
COMPUTE THINK_2F = (YRMODA(FA8B,FA8A,15)).
COMPUTE SPACE_2F = (YRMODA(FB9B,FB9A,15)).
COMPUTE LEGAL_2F = (YRMODA(FC3B,FC3A,15)).
COMPUTE LIABIS2F = (YRMODA(FC5B,FC5A,15)).
COMPUTE BUSPLN2F = (YRMODA(FD3B,FD3A,15)).

*.
COMPUTE BSPLFI2F = (YRMODA(FD4B ,FD4A,15)).
COMPUTE MODEL_2F = (YRMODA(FD7B ,FD7A,15)).
COMPUTE PRDCPL2F = (YRMODA(FD8B ,FD8A,15)).
COMPUTE PROMOT2F = (YRMODA(FD10B,FD10A,15)).
COMPUTE PRTECH2F = (YRMODA(FD12B,FD12A,15)).

*.
COMPUTE PATENT2F = (YRMODA(FD14B,FD14A,15)).
COMPUTE GOTPNT2F = (YRMODA(FD15B,FD15A,15)).
COMPUTE LEASE_2F = (YRMODA(FD17B,FD17A,15)).
COMPUTE PURCHA2F = (YRMODA(FD19B,FD19A,15)).
COMPUTE TLKCST2F = (YRMODA(FD21B,FD21A,15)).

*.
COMPUTE IFOCPT2F = (YRMODA(FD23B,FD23A,15)).
COMPUTE DFNMKT2F = (YRMODA(FD25B,FD25A,15)).
COMPUTE FINPRJ2F = (YRMODA(FD27B,FD27A,15)).
COMPUTE FNDREG2F = (YRMODA(FD29B,FD29A,15)).
COMPUTE ASKFND2F = (YRMODA(FE2B ,FE2A,15)).

*.
COMPUTE GETFND2F = (YRMODA(FE4B ,FE4A,15)).
COMPUTE SUPCRD2F = (YRMODA(FE6B ,FE6A,15)).
COMPUTE HIRE__2F = (YRMODA(FE8B ,FE8A,15)).
COMPUTE BKACCT2F = (YRMODA(FE12B,FE12A,15)).
COMPUTE SALES_2F = (YRMODA(FE14B,FE14A,15)).

*.
EXECUTE.

*.
DESCRIPTIVES VAR THINK_2F TO SALES_2F.

*.
* KEEP ONLY CSHFL DATE IF SALARIES INCLUDED IN EXPENSES.
* VAR AE17 SORTS OUT ONLY THOSE WITH SALRIES INCLUDED IN EXPENSES.
*.

FREQ VAR BE17.

*.
IF (BE17 = 1) CSHFL_2F = (YRMODA(FE16B,FE16A,15)).

*.
MEANS TABLE CSHFL_2F BY FE17.

```

*.
COMPUTE HRACCT2F = (YRMODA(FE19B,FE19A,15)).
COMPUTE HRLAWR2F = (YRMODA(FE21B,FE21A,15)).
COMPUTE TDASOC2F = (YRMODA(FE23B,FE23A,15)).
COMPUTE PHLIST2F = (YRMODA(FE25B,FE25A,15)).
*.
COMPUTE EIN___2F = (YRMODA(FE27B,FE27A,15)).
COMPUTE DBA___2F = (YRMODA(FE29B,FE29A,15)).
COMPUTE UNEMP_2F = (YRMODA(FE31B,FE31A,15)).
COMPUTE FICA__2F = (YRMODA(FE33B,FE33A,15)).
COMPUTE FEDTAX2F = (YRMODA(FE35B,FE35A,15)).
*.
COMPUTE DANDB_2F = (YRMODA(FE37B,FE37A,15)).
*.
COMPUTE EQTAG2F1 = (YRMODA(FG8B_1,FG8A_1,15)).
COMPUTE EQTAG2F2 = (YRMODA(FG8B_2,FG8A_2,15)).
COMPUTE EQTAG2F3 = (YRMODA(FG8B_3,FG8A_3,15)).
COMPUTE EQTAG2F4 = (YRMODA(FG8B_4,FG8A_4,15)).
COMPUTE EQTAG2F5 = (YRMODA(FG8B_5,FG8A_5,15)).
*.
COMPUTE INVOL2F2 = (YRMODA(FH9B_2,FH9A_2,15)).
COMPUTE INVOL2F3 = (YRMODA(FH9B_3,FH9A_3,15)).
COMPUTE INVOL2F4 = (YRMODA(FH9B_4,FH9A_4,15)).
COMPUTE INVOL2F5 = (YRMODA(FH9B_5,FH9A_5,15)).
*.
*COMPUTE FTWK_2F1 = (YRMODA(FH18B_1,FH18A_1,15)).
*.
COMPUTE FTWK_2F2 = (YRMODA(FH18B_2,FH18A_2,15)).
COMPUTE FTWK_2F3 = (YRMODA(FH18B_3,FH18A_3,15)).
COMPUTE FTWK_2F4 = (YRMODA(FH18B_4,FH18A_4,15)).
COMPUTE FTWK_2F5 = (YRMODA(FH18B_5,FH18A_5,15)).
*.
COMPUTE LEINV2F2 = (YRMODA(FK7B_2,FK7A_2,15)).
COMPUTE LEINV2F3 = (YRMODA(FK7B_3,FK7A_3,15)).
COMPUTE LEINV2F4 = (YRMODA(FK7B_4,FK7A_4,15)).
COMPUTE LEINV2F5 = (YRMODA(FK7B_5,FK7A_5,15)).
*.
COMPUTE KEYFT2F1 = (YRMODA(FM16B_1,FM16A_1,15)).
COMPUTE KEYFT2F2 = (YRMODA(FM16B_2,FM16A_2,15)).
COMPUTE KEYFT2F3 = (YRMODA(FM16B_3,FM16A_3,15)).
*.

```

VARIABLE LABELS

```

THINK_2F 'PSEDII WF DATE:INITIAL SERIOUS THOUGHT'/
SPACE_2F 'PSEDII WF DATE:FIRST USE PHYSICAL SPACE'/
LEGAL_2F 'PSEDII WF DATE:LEGAL FORM REGISTERED'/
LIABIS2F 'PSEDII WF DATE:LIABILITY INSURANCE BOUGHT'/
BUSPLN2F 'PSEDII WF DATE:BUSINESS PLAN INITIATED'/
BSPLFI2F 'PSEDII WF DATE:BUSINESS PLAN COMPLETED'/
MODEL_2F 'PSEDII WF DATE:MODEL,PROTOTPE INITIATED'/
PRDCPL2F 'PSEDII WF DATE:MODEL,PROTOTPE COMPLETED'/
PROMOT2F 'PSEDII WF DATE:PROMOT 4 PROD/SERV INITIATED'/
PRTECH2F 'PSEDII WF DATE:PROPRIET TECH FULLY DEVELOP'/
PATENT2F 'PSEDII WF DATE:PATENT,TRADE,COPY INITIATED'/
GOTPNT2F 'PSEDII WF DATE:PATENT,TRADE,COPY OBTAINED'/

```



```

COMPUTE ONINV2F3 = (YRMODA(FQ14B_3,FQ14A_3,15)).
COMPUTE ONINV2F4 = (YRMODA(FQ14B_4,FQ14A_4,15)).
COMPUTE ONINV2F5 = (YRMODA(FQ14B_5,FQ14A_5,15)).
*.
COMPUTE FINSPT2F = (YRMODA(FR2B,FR2A,15)).
*.
FREQ VAR IWYEARF IWMONTHF IWDAZF/FORMAT ONEPAGE/ORDER VARIABLES.
*.
COMPUTE IWDATE_F = (YRMODA(IWYEARF,IWMONTHF,IWDAZF)).
*.
VARIABLE LABELS
  ONINV2F1 'PSEDII WF DATE:FIRST INVEST:OWNER#1'/
  ONINV2F2 'PSEDII WF DATE:FIRST INVEST:OWNER#2'/
  ONINV2F3 'PSEDII WF DATE:FIRST INVEST:OWNER#3'/
  ONINV2F4 'PSEDII WF DATE:FIRST INVEST:OWNER#4'/
  ONINV2F5 'PSEDII WF DATE:FIRST INVEST:OWNER#5'/
  FINSPT2F 'PSEDII WF DATE:FIRST FINANCIAL SUPPORT'/
  IWDATE_F 'PSEDII WF DATE:COMPLETED PH INTERVIEW F'.
*.
EXECUTE.
*.
DESCRIPTIVES VAR = THINK_2F TO FINSPT2F.
DESCRIPTIVES VAR = IWDATE_F.
FREQ VAR IWDATE_F.
*.
*.
*=====
*
*   SELECT EARLIEST DATE FOR EACH START-UP ACT.
*
*=====
*.
*DESCRIPTIVES VAR THINK_2A THINK_2B THINK_2C THINK_2D.
*LIST VARIABLES SAMPID THINK_2A THINK_2B THINK_2C.
*.
*   INITIAL THOUGHT.
*.
COMPUTE THINK_2X = THINK_2A.
EXECUTE.
IF (SYSMIS(THINK_2X) = 1) THINK_2X = THINK_2B.
EXECUTE.
IF (SYSMIS(THINK_2X) = 1) THINK_2X = THINK_2C.
EXECUTE.
IF (SYSMIS(THINK_2X) = 1) THINK_2X = THINK_2D.
EXECUTE.
IF (SYSMIS(THINK_2X) = 1) THINK_2X = THINK_2E.
EXECUTE.
IF (SYSMIS(THINK_2X) = 1) THINK_2X = THINK_2F.
EXECUTE.
*.
IF (THINK_2A LT THINK_2X) THINK_2X = THINK_2A.
EXECUTE.
IF (THINK_2B LT THINK_2X) THINK_2X = THINK_2B.

```

```

EXECUTE.
IF (THINK_2C LT THINK_2X) THINK_2X = THINK_2C.
EXECUTE.
IF (THINK_2D LT THINK_2X) THINK_2X = THINK_2D.
EXECUTE.
IF (THINK_2E LT THINK_2X) THINK_2X = THINK_2E.
EXECUTE.
IF (THINK_2F LT THINK_2X) THINK_2X = THINK_2F.
EXECUTE.
DESCRIPTIVES VAR THINK_2A THINK_2B THINK_2C THINK_2D THINK_2E THINK_2F
    THINK_2X.
*.
*LIST VAR THINK_2A THINK_2B THINK_2C THINK_2X.
*.
*    USE OF SPACE.
*.
COMPUTE SPACE_2X    = SPACE_2A.
EXECUTE.
IF (SYSMIS(SPACE_2X) = 1) SPACE_2X = SPACE_2B.
EXECUTE.
IF (SYSMIS(SPACE_2X) = 1) SPACE_2X = SPACE_2C.
EXECUTE.
IF (SYSMIS(SPACE_2X) = 1) SPACE_2X = SPACE_2D.
EXECUTE.
IF (SYSMIS(SPACE_2X) = 1) SPACE_2X = SPACE_2E.
EXECUTE.
IF (SYSMIS(SPACE_2X) = 1) SPACE_2X = SPACE_2F.
EXECUTE.
*.
*.
IF (SPACE_2A LT SPACE_2X) SPACE_2X = SPACE_2A.
EXECUTE.
IF (SPACE_2B LT SPACE_2X) SPACE_2X = SPACE_2B.
EXECUTE.
IF (SPACE_2C LT SPACE_2X) SPACE_2X = SPACE_2C.
EXECUTE.
IF (SPACE_2D LT SPACE_2X) SPACE_2X = SPACE_2D.
EXECUTE.
IF (SPACE_2E LT SPACE_2X) SPACE_2X = SPACE_2E.
EXECUTE.
IF (SPACE_2F LT SPACE_2X) SPACE_2X = SPACE_2F.
EXECUTE.
*.
DESCRIPTIVES VAR SPACE_2A SPACE_2B SPACE_2C SPACE_2D SPACE_2E SPACE_2F
    SPACE_2X.
*.
*    INITIAL LEGAL FORM.
*.
COMPUTE LEGAL_2X    = LEGAL_2A.
EXECUTE.
IF (SYSMIS(LEGAL_2X) = 1) LEGAL_2X = LEGAL_2B.
EXECUTE.
IF (SYSMIS(LEGAL_2X) = 1) LEGAL_2X = LEGAL_2C.
EXECUTE.

```

```

IF (SYSMIS(LEGAL_2X) = 1) LEGAL_2X = LEGAL_2D.
EXECUTE.
IF (SYSMIS(LEGAL_2X) = 1) LEGAL_2X = LEGAL_2E.
EXECUTE.
IF (SYSMIS(LEGAL_2X) = 1) LEGAL_2X = LEGAL_2F.
EXECUTE.
*.
IF (LEGAL_2A LT LEGAL_2X) LEGAL_2X = LEGAL_2A.
IF (LEGAL_2B LT LEGAL_2X) LEGAL_2X = LEGAL_2B.
IF (LEGAL_2C LT LEGAL_2X) LEGAL_2X = LEGAL_2C.
IF (LEGAL_2D LT LEGAL_2X) LEGAL_2X = LEGAL_2D.
IF (LEGAL_2E LT LEGAL_2X) LEGAL_2X = LEGAL_2E.
IF (LEGAL_2F LT LEGAL_2X) LEGAL_2X = LEGAL_2F.
EXECUTE.
DESCRIPTIVES VAR = LEGAL_2A LEGAL_2B LEGAL_2C LEGAL_2D LEGAL_2E LEGAL_2F
    LEGAL_2X.
*.
*   LIABILITY INSURANCE.
*.
COMPUTE LIABIS2X    = LIABIS2A.
EXECUTE.
IF (SYSMIS(LIABIS2X) = 1) LIABIS2X = LIABIS2B.
EXECUTE.
IF (SYSMIS(LIABIS2X) = 1) LIABIS2X = LIABIS2C.
EXECUTE.
IF (SYSMIS(LIABIS2X) = 1) LIABIS2X = LIABIS2D.
EXECUTE.
IF (SYSMIS(LIABIS2X) = 1) LIABIS2X = LIABIS2E.
EXECUTE.
IF (SYSMIS(LIABIS2X) = 1) LIABIS2X = LIABIS2F.
EXECUTE.
*.
IF (LIABIS2A LT LIABIS2X) LIABIS2X = LIABIS2A.
IF (LIABIS2B LT LIABIS2X) LIABIS2X = LIABIS2B.
IF (LIABIS2C LT LIABIS2X) LIABIS2X = LIABIS2C.
IF (LIABIS2D LT LIABIS2X) LIABIS2X = LIABIS2D.
IF (LIABIS2E LT LIABIS2X) LIABIS2X = LIABIS2E.
IF (LIABIS2F LT LIABIS2X) LIABIS2X = LIABIS2F.
EXECUTE.
DESCRIPTIVES VAR LIABIS2A LIABIS2B LIABIS2C LIABIS2D LIABIS2E LIABIS2F
    LIABIS2X.
*.
*   BUSINESS PLANNING INITIATED.
*.
COMPUTE BUSPLN2X    = BUSPLN2A.
EXECUTE.
IF (SYSMIS(BUSPLN2X) = 1) BUSPLN2X = BUSPLN2B.
EXECUTE.
IF (SYSMIS(BUSPLN2X) = 1) BUSPLN2X = BUSPLN2C.
EXECUTE.
IF (SYSMIS(BUSPLN2X) = 1) BUSPLN2X = BUSPLN2D.
EXECUTE.
IF (SYSMIS(BUSPLN2X) = 1) BUSPLN2X = BUSPLN2E.
EXECUTE.

```

```

IF (SYSMIS(BUSPLN2X) = 1) BUSPLN2X = BUSPLN2F.
EXECUTE.
*.
IF (BUSPLN2A LT BUSPLN2X) BUSPLN2X = BUSPLN2A.
IF (BUSPLN2B LT BUSPLN2X) BUSPLN2X = BUSPLN2B.
IF (BUSPLN2C LT BUSPLN2X) BUSPLN2X = BUSPLN2C.
IF (BUSPLN2D LT BUSPLN2X) BUSPLN2X = BUSPLN2D.
IF (BUSPLN2E LT BUSPLN2X) BUSPLN2X = BUSPLN2E.
IF (BUSPLN2F LT BUSPLN2X) BUSPLN2X = BUSPLN2F.
EXECUTE.
DESCRIPTIVES VAR BUSPLN2A BUSPLN2B BUSPLN2C BUSPLN2D BUSPLN2E BUSPLN2F
    BUSPLN2X.
*.
* BUSINESS PLANNING COMPLETED.
*.
COMPUTE BSPLFI2X = BSPLFI2A.
EXECUTE.
IF (SYSMIS(BSPLFI2X) = 1) BSPLFI2X = BSPLFI2B.
EXECUTE.
IF (SYSMIS(BSPLFI2X) = 1) BSPLFI2X = BSPLFI2C.
EXECUTE.
IF (SYSMIS(BSPLFI2X) = 1) BSPLFI2X = BSPLFI2D.
EXECUTE.
IF (SYSMIS(BSPLFI2X) = 1) BSPLFI2X = BSPLFI2E.
EXECUTE.
IF (SYSMIS(BSPLFI2X) = 1) BSPLFI2X = BSPLFI2F.
EXECUTE.
*.
IF (BSPLFI2A LT BSPLFI2X) BSPLFI2X = BSPLFI2A.
IF (BSPLFI2B LT BSPLFI2X) BSPLFI2X = BSPLFI2B.
IF (BSPLFI2C LT BSPLFI2X) BSPLFI2X = BSPLFI2C.
IF (BSPLFI2D LT BSPLFI2X) BSPLFI2X = BSPLFI2D.
IF (BSPLFI2E LT BSPLFI2X) BSPLFI2X = BSPLFI2E.
IF (BSPLFI2F LT BSPLFI2X) BSPLFI2X = BSPLFI2F.
EXECUTE.
DESCRIPTIVES VAR BSPLFI2A BSPLFI2B BSPLFI2C BSPLFI2D BSPLFI2E BSPLFI2F
    BSPLFI2X.
*.
* MODEL, PROTOTYPE INITIATED.
*.
COMPUTE MODEL_2X = MODEL_2A.
EXECUTE.
IF (SYSMIS(MODEL_2X) = 1) MODEL_2X = MODEL_2B.
EXECUTE.
IF (SYSMIS(MODEL_2X) = 1) MODEL_2X = MODEL_2C.
EXECUTE.
IF (SYSMIS(MODEL_2X) = 1) MODEL_2X = MODEL_2D.
EXECUTE.
IF (SYSMIS(MODEL_2X) = 1) MODEL_2X = MODEL_2E.
EXECUTE.
IF (SYSMIS(MODEL_2X) = 1) MODEL_2X = MODEL_2F.
EXECUTE.
*.
IF (MODEL_2A LT MODEL_2X) MODEL_2X = MODEL_2A.

```

```

IF (MODEL_2B LT MODEL_2X) MODEL_2X = MODEL_2B.
IF (MODEL_2C LT MODEL_2X) MODEL_2X = MODEL_2C.
IF (MODEL_2D LT MODEL_2X) MODEL_2X = MODEL_2D.
IF (MODEL_2E LT MODEL_2X) MODEL_2X = MODEL_2E.
IF (MODEL_2F LT MODEL_2X) MODEL_2X = MODEL_2F.
EXECUTE.
DESCRIPTIVES VAR MODEL_2A MODEL_2B MODEL_2C MODEL_2D MODEL_2E MODEL_2F
MODEL_2X.
*.
* MODEL, PROTOTYPE COMPLETED.
*.
COMPUTE PRDCPL2X = PRDCPL2A.
EXECUTE.
IF (SYSMIS(PRDCPL2X) = 1) PRDCPL2X = PRDCPL2B.
EXECUTE.
IF (SYSMIS(PRDCPL2X) = 1) PRDCPL2X = PRDCPL2C.
EXECUTE.
IF (SYSMIS(PRDCPL2X) = 1) PRDCPL2X = PRDCPL2D.
EXECUTE.
IF (SYSMIS(PRDCPL2X) = 1) PRDCPL2X = PRDCPL2E.
EXECUTE.
IF (SYSMIS(PRDCPL2X) = 1) PRDCPL2X = PRDCPL2F.
EXECUTE.
*.
IF (PRDCPL2A LT PRDCPL2X) PRDCPL2X = PRDCPL2A.
IF (PRDCPL2B LT PRDCPL2X) PRDCPL2X = PRDCPL2B.
IF (PRDCPL2C LT PRDCPL2X) PRDCPL2X = PRDCPL2C.
IF (PRDCPL2D LT PRDCPL2X) PRDCPL2X = PRDCPL2D.
IF (PRDCPL2E LT PRDCPL2X) PRDCPL2X = PRDCPL2E.
IF (PRDCPL2F LT PRDCPL2X) PRDCPL2X = PRDCPL2F.
EXECUTE.
DESCRIPTIVES VAR PRDCPL2A PRDCPL2B PRDCPL2C PRDCPL2D PRDCPL2E PRDCPL2F
PRDCPL2X.
*.
* INITIATE PROMOTION OF GOOD OR SERVICE.
*.
COMPUTE PROMOT2X = PROMOT2A.
EXECUTE.
IF (SYSMIS(PROMOT2X) = 1) PROMOT2X = PROMOT2B.
EXECUTE.
IF (SYSMIS(PROMOT2X) = 1) PROMOT2X = PROMOT2C.
EXECUTE.
IF (SYSMIS(PROMOT2X) = 1) PROMOT2X = PROMOT2D.
EXECUTE.
IF (SYSMIS(PROMOT2X) = 1) PROMOT2X = PROMOT2E.
EXECUTE.
IF (SYSMIS(PROMOT2X) = 1) PROMOT2X = PROMOT2F.
EXECUTE.
*.
IF (PROMOT2A LT PROMOT2X) PROMOT2X = PROMOT2A.
IF (PROMOT2B LT PROMOT2X) PROMOT2X = PROMOT2B.
IF (PROMOT2C LT PROMOT2X) PROMOT2X = PROMOT2C.
IF (PROMOT2D LT PROMOT2X) PROMOT2X = PROMOT2D.
IF (PROMOT2E LT PROMOT2X) PROMOT2X = PROMOT2E.

```

```

IF (PROMOT2F LT PROMOT2X) PROMOT2X = PROMOT2F.
EXECUTE.
DESCRIPTIVES VAR PROMOT2A PROMOT2B PROMOT2C PROMOT2D PROMOT2E PROMOT2F
PROMOT2X.
*.
* PROPRIETARY TECHNOLOGY FULLY DEVELOPED.
*.
COMPUTE PRTECH2X = PRTECH2A.
EXECUTE.
IF (SYSMIS(PRTECH2X) = 1) PRTECH2X = PRTECH2B.
EXECUTE.
IF (SYSMIS(PRTECH2X) = 1) PRTECH2X = PRTECH2C.
EXECUTE.
IF (SYSMIS(PRTECH2X) = 1) PRTECH2X = PRTECH2D.
EXECUTE.
IF (SYSMIS(PRTECH2X) = 1) PRTECH2X = PRTECH2E.
EXECUTE.
IF (SYSMIS(PRTECH2X) = 1) PRTECH2X = PRTECH2F.
EXECUTE.
*.
IF (PRTECH2A LT PRTECH2X) PRTECH2X = PRTECH2A.
IF (PRTECH2B LT PRTECH2X) PRTECH2X = PRTECH2B.
IF (PRTECH2C LT PRTECH2X) PRTECH2X = PRTECH2C.
IF (PRTECH2D LT PRTECH2X) PRTECH2X = PRTECH2D.
IF (PRTECH2E LT PRTECH2X) PRTECH2X = PRTECH2E.
IF (PRTECH2F LT PRTECH2X) PRTECH2X = PRTECH2F.
EXECUTE.
DESCRIPTIVES VAR PRTECH2A PRTECH2B PRTECH2C PRTECH2D PRTECH2E PRTECH2F
PRTECH2X.
*.
* INITIATED PATENT, TRADEMARK, COPYRIGHT PROCESS.
*.
COMPUTE PATENT2X = PATENT2A.
EXECUTE.
IF (SYSMIS(PATENT2X) = 1) PATENT2X = PATENT2B.
EXECUTE.
IF (SYSMIS(PATENT2X) = 1) PATENT2X = PATENT2C.
EXECUTE.
IF (SYSMIS(PATENT2X) = 1) PATENT2X = PATENT2D.
EXECUTE.
IF (SYSMIS(PATENT2X) = 1) PATENT2X = PATENT2E.
EXECUTE.
IF (SYSMIS(PATENT2X) = 1) PATENT2X = PATENT2F.
EXECUTE.
*.
IF (PATENT2A LT PATENT2X) PATENT2X = PATENT2A.
IF (PATENT2B LT PATENT2X) PATENT2X = PATENT2B.
IF (PATENT2C LT PATENT2X) PATENT2X = PATENT2C.
IF (PATENT2D LT PATENT2X) PATENT2X = PATENT2D.
IF (PATENT2E LT PATENT2X) PATENT2X = PATENT2E.
IF (PATENT2F LT PATENT2X) PATENT2X = PATENT2F.
EXECUTE.
DESCRIPTIVES VAR PATENT2A PATENT2B PATENT2C PATENT2D PATENT2E PATENT2F
PATENT2X.

```

*.
* COMPLETED PATENT,TRADEMARK,COPYRIGHT PROCESS.
*.

COMPUTE GOTPNT2X = GOTPNT2A.

EXECUTE.

IF (SYSMIS(GOTPNT2X) = 1) GOTPNT2X = GOTPNT2B.

EXECUTE.

IF (SYSMIS(GOTPNT2X) = 1) GOTPNT2X = GOTPNT2C.

EXECUTE.

IF (SYSMIS(GOTPNT2X) = 1) GOTPNT2X = GOTPNT2D.

EXECUTE.

IF (SYSMIS(GOTPNT2X) = 1) GOTPNT2X = GOTPNT2E.

EXECUTE.

IF (SYSMIS(GOTPNT2X) = 1) GOTPNT2X = GOTPNT2F.

EXECUTE.

*.

IF (GOTPNT2A LT GOTPNT2X) GOTPNT2X = GOTPNT2A.

IF (GOTPNT2B LT GOTPNT2X) GOTPNT2X = GOTPNT2B.

IF (GOTPNT2C LT GOTPNT2X) GOTPNT2X = GOTPNT2C.

IF (GOTPNT2D LT GOTPNT2X) GOTPNT2X = GOTPNT2D.

IF (GOTPNT2E LT GOTPNT2X) GOTPNT2X = GOTPNT2E.

IF (GOTPNT2F LT GOTPNT2X) GOTPNT2X = GOTPNT2F.

EXECUTE.

DESCRIPTIVES VAR GOTPNT2A GOTPNT2B GOTPNT2C GOTPNT2D GOTPNT2E GOTPNT2F
GOTPNT2X.

*.

* INITIATED PURCHAS, LEASE OF MAJOR ASSETS.
*.

COMPUTE LEASE_2X = LEASE_2A.

EXECUTE.

IF (SYSMIS(LEASE_2X) = 1) LEASE_2X = LEASE_2B.

EXECUTE.

IF (SYSMIS(LEASE_2X) = 1) LEASE_2X = LEASE_2C.

EXECUTE.

IF (SYSMIS(LEASE_2X) = 1) LEASE_2X = LEASE_2D.

EXECUTE.

IF (SYSMIS(LEASE_2X) = 1) LEASE_2X = LEASE_2E.

EXECUTE.

IF (SYSMIS(LEASE_2X) = 1) LEASE_2X = LEASE_2F.

EXECUTE.

*.

IF (LEASE_2A LT LEASE_2X) LEASE_2X = LEASE_2A.

IF (LEASE_2B LT LEASE_2X) LEASE_2X = LEASE_2B.

IF (LEASE_2C LT LEASE_2X) LEASE_2X = LEASE_2C.

IF (LEASE_2D LT LEASE_2X) LEASE_2X = LEASE_2D.

IF (LEASE_2E LT LEASE_2X) LEASE_2X = LEASE_2E.

IF (LEASE_2F LT LEASE_2X) LEASE_2X = LEASE_2F.

EXECUTE.

DESCRIPTIVES VAR LEASE_2A LEASE_2B LEASE_2C LEASE_2D LEASE_2E LEASE_2F
LEASE_2X.

*.

* BEGAN PURCHASE OF MATERIAL, INVENTORY.
*.

COMPUTE PURCHA2X = PURCHA2A.


```

EXECUTE.
IF (SYSMIS(PURCHA2X) = 1) PURCHA2X = PURCHA2B.
EXECUTE.
IF (SYSMIS(PURCHA2X) = 1) PURCHA2X = PURCHA2C.
EXECUTE.
IF (SYSMIS(PURCHA2X) = 1) PURCHA2X = PURCHA2D.
EXECUTE.
IF (SYSMIS(PURCHA2X) = 1) PURCHA2X = PURCHA2E.
EXECUTE.
IF (SYSMIS(PURCHA2X) = 1) PURCHA2X = PURCHA2F.
EXECUTE.
*.
IF (PURCHA2A LT PURCHA2X) PURCHA2X = PURCHA2A.
IF (PURCHA2B LT PURCHA2X) PURCHA2X = PURCHA2B.
IF (PURCHA2C LT PURCHA2X) PURCHA2X = PURCHA2C.
IF (PURCHA2D LT PURCHA2X) PURCHA2X = PURCHA2D.
IF (PURCHA2E LT PURCHA2X) PURCHA2X = PURCHA2E.
IF (PURCHA2F LT PURCHA2X) PURCHA2X = PURCHA2F.
EXECUTE.
DESCRIPTIVES VAR PURCHA2A PURCHA2B PURCHA2C PURCHA2D PURCHA2E PURCHA2F
PURCHA2X.
*.
*   BEGAN TALKING WITH CUSTOMERS.
*.
COMPUTE TLKCST2X      = TLKCST2A.
EXECUTE.
IF (SYSMIS(TLKCST2X) = 1) TLKCST2X = TLKCST2B.
EXECUTE.
IF (SYSMIS(TLKCST2X) = 1) TLKCST2X = TLKCST2C.
EXECUTE.
IF (SYSMIS(TLKCST2X) = 1) TLKCST2X = TLKCST2D.
EXECUTE.
IF (SYSMIS(TLKCST2X) = 1) TLKCST2X = TLKCST2E.
EXECUTE.
IF (SYSMIS(TLKCST2X) = 1) TLKCST2X = TLKCST2F.
EXECUTE.
*.
IF (TLKCST2A LT TLKCST2X) TLKCST2X = TLKCST2A.
IF (TLKCST2B LT TLKCST2X) TLKCST2X = TLKCST2B.
IF (TLKCST2C LT TLKCST2X) TLKCST2X = TLKCST2C.
IF (TLKCST2D LT TLKCST2X) TLKCST2X = TLKCST2D.
IF (TLKCST2E LT TLKCST2X) TLKCST2X = TLKCST2E.
IF (TLKCST2F LT TLKCST2X) TLKCST2X = TLKCST2F.
EXECUTE.
DESCRIPTIVES VAR TLKCST2A TLKCST2B TLKCST2C TLKCST2D TLKCST2E TLKCST2F
TLKCST2X.
*.
*   COLLECT INFORMATION ON COMPETITORS.
*.
COMPUTE IFOCPT2X     = IFOCPT2A.
EXECUTE.
IF (SYSMIS(IFOCPT2X) = 1) IFOCPT2X = IFOCPT2B.
EXECUTE.
IF (SYSMIS(IFOCPT2X) = 1) IFOCPT2X = IFOCPT2C.

```

```

EXECUTE.
IF (SYSMIS(IFOPT2X) = 1) IFOPT2X = IFOPT2D.
EXECUTE.
IF (SYSMIS(IFOPT2X) = 1) IFOPT2X = IFOPT2E.
EXECUTE.
IF (SYSMIS(IFOPT2X) = 1) IFOPT2X = IFOPT2F.
EXECUTE.
*.
IF (IFOPT2A LT IFOPT2X) IFOPT2X = IFOPT2A.
IF (IFOPT2B LT IFOPT2X) IFOPT2X = IFOPT2B.
IF (IFOPT2C LT IFOPT2X) IFOPT2X = IFOPT2C.
IF (IFOPT2D LT IFOPT2X) IFOPT2X = IFOPT2D.
IF (IFOPT2E LT IFOPT2X) IFOPT2X = IFOPT2E.
IF (IFOPT2F LT IFOPT2X) IFOPT2X = IFOPT2F.
EXECUTE.
DESCRIPTIVES VAR IFOPT2A IFOPT2B IFOPT2C IFOPT2D IFOPT2E IFOPT2F
IFOPT2X.
*.
* BEGIN DEFININT MARKET OPPORTUNITIES.
*.
COMPUTE DFNMKT2X = DFNMKT2A.
EXECUTE.
IF (SYSMIS(DFNMKT2X) = 1) DFNMKT2X = DFNMKT2B.
EXECUTE.
IF (SYSMIS(DFNMKT2X) = 1) DFNMKT2X = DFNMKT2C.
EXECUTE.
IF (SYSMIS(DFNMKT2X) = 1) DFNMKT2X = DFNMKT2D.
EXECUTE.
IF (SYSMIS(DFNMKT2X) = 1) DFNMKT2X = DFNMKT2E.
EXECUTE.
IF (SYSMIS(DFNMKT2X) = 1) DFNMKT2X = DFNMKT2F.
EXECUTE.
*.
IF (DFNMKT2A LT DFNMKT2X) DFNMKT2X = DFNMKT2A.
IF (DFNMKT2B LT DFNMKT2X) DFNMKT2X = DFNMKT2B.
IF (DFNMKT2C LT DFNMKT2X) DFNMKT2X = DFNMKT2C.
IF (DFNMKT2D LT DFNMKT2X) DFNMKT2X = DFNMKT2D.
IF (DFNMKT2E LT DFNMKT2X) DFNMKT2X = DFNMKT2E.
IF (DFNMKT2F LT DFNMKT2X) DFNMKT2X = DFNMKT2F.
EXECUTE.
DESCRIPTIVES VAR DFNMKT2A DFNMKT2B DFNMKT2C DFNMKT2D DFNMKT2E DFNMKT2F
DFNMKT2X.
*.
* BEGIN FINANCIAL PROJECTIONS.
*.
COMPUTE FINPRJ2X = FINPRJ2A.
EXECUTE.
IF (SYSMIS(FINPRJ2X) = 1) FINPRJ2X = FINPRJ2B.
EXECUTE.
IF (SYSMIS(FINPRJ2X) = 1) FINPRJ2X = FINPRJ2C.
EXECUTE.
IF (SYSMIS(FINPRJ2X) = 1) FINPRJ2X = FINPRJ2D.
EXECUTE.
IF (SYSMIS(FINPRJ2X) = 1) FINPRJ2X = FINPRJ2E.

```

```

EXECUTE.
IF (SYSMIS(FINPRJ2X) = 1) FINPRJ2X = FINPRJ2F.
EXECUTE.
*.
IF (FINPRJ2A LT FINPRJ2X) FINPRJ2X = FINPRJ2A.
IF (FINPRJ2B LT FINPRJ2X) FINPRJ2X = FINPRJ2B.
IF (FINPRJ2C LT FINPRJ2X) FINPRJ2X = FINPRJ2C.
IF (FINPRJ2D LT FINPRJ2X) FINPRJ2X = FINPRJ2D.
IF (FINPRJ2E LT FINPRJ2X) FINPRJ2X = FINPRJ2E.
IF (FINPRJ2F LT FINPRJ2X) FINPRJ2X = FINPRJ2F.
EXECUTE.
DESCRIPTIVES VAR FINPRJ2A FINPRJ2B FINPRJ2C FINPRJ2D FINPRJ2E FINPRJ2F
FINPRJ2X.
*.
* FIND REGULATORY REQUIREMENTS.
*.
COMPUTE FNDREG2X = FNDREG2A.
EXECUTE.
IF (SYSMIS(FNDREG2X) = 1) FNDREG2X = FNDREG2B.
EXECUTE.
IF (SYSMIS(FNDREG2X) = 1) FNDREG2X = FNDREG2C.
EXECUTE.
IF (SYSMIS(FNDREG2X) = 1) FNDREG2X = FNDREG2D.
EXECUTE.
IF (SYSMIS(FNDREG2X) = 1) FNDREG2X = FNDREG2E.
EXECUTE.
IF (SYSMIS(FNDREG2X) = 1) FNDREG2X = FNDREG2F.
EXECUTE.
*.
IF (FNDREG2A LT FNDREG2X) FNDREG2X = FNDREG2A.
IF (FNDREG2B LT FNDREG2X) FNDREG2X = FNDREG2B.
IF (FNDREG2C LT FNDREG2X) FNDREG2X = FNDREG2C.
IF (FNDREG2D LT FNDREG2X) FNDREG2X = FNDREG2D.
IF (FNDREG2E LT FNDREG2X) FNDREG2X = FNDREG2E.
IF (FNDREG2F LT FNDREG2X) FNDREG2X = FNDREG2F.
EXECUTE.
DESCRIPTIVES VAR FNDREG2A FNDREG2B FNDREG2C FNDREG2D FNDREG2E FNDREG2F
FNDREG2X.
*.
* ASKED FOR OUTSIDE FUNDING.
*.
COMPUTE ASKFND2X = ASKFND2A.
EXECUTE.
IF (SYSMIS(ASKFND2X) = 1) ASKFND2X = ASKFND2B.
EXECUTE.
IF (SYSMIS(ASKFND2X) = 1) ASKFND2X = ASKFND2C.
EXECUTE.
IF (SYSMIS(ASKFND2X) = 1) ASKFND2X = ASKFND2D.
EXECUTE.
IF (SYSMIS(ASKFND2X) = 1) ASKFND2X = ASKFND2E.
EXECUTE.
IF (SYSMIS(ASKFND2X) = 1) ASKFND2X = ASKFND2F.
EXECUTE.
*.

```

IF (ASKFND2A LT ASKFND2X) ASKFND2X = ASKFND2A.
IF (ASKFND2B LT ASKFND2X) ASKFND2X = ASKFND2B.
IF (ASKFND2C LT ASKFND2X) ASKFND2X = ASKFND2C.
IF (ASKFND2D LT ASKFND2X) ASKFND2X = ASKFND2D.
IF (ASKFND2E LT ASKFND2X) ASKFND2X = ASKFND2E.
IF (ASKFND2F LT ASKFND2X) ASKFND2X = ASKFND2F.
EXECUTE.
DESCRIPTIVES VAR ASKFND2A ASKFND2B ASKFND2C ASKFND2D ASKFND2E ASKFND2F
ASKFND2X.

*.
* OBTAINED FIRST OUTSIDE FUNDING.
*.

COMPUTE GETFND2X = GETFND2A.
EXECUTE.

IF (SYSMIS(GETFND2X) = 1) GETFND2X = GETFND2B.
EXECUTE.

IF (SYSMIS(GETFND2X) = 1) GETFND2X = GETFND2C.
EXECUTE.

IF (SYSMIS(GETFND2X) = 1) GETFND2X = GETFND2D.
EXECUTE.

IF (SYSMIS(GETFND2X) = 1) GETFND2X = GETFND2E.
EXECUTE.

IF (SYSMIS(GETFND2X) = 1) GETFND2X = GETFND2F.
EXECUTE.

*.
IF (GETFND2A LT GETFND2X) GETFND2X = GETFND2A.
IF (GETFND2B LT GETFND2X) GETFND2X = GETFND2B.
IF (GETFND2C LT GETFND2X) GETFND2X = GETFND2C.
IF (GETFND2D LT GETFND2X) GETFND2X = GETFND2D.
IF (GETFND2E LT GETFND2X) GETFND2X = GETFND2E.
IF (GETFND2F LT GETFND2X) GETFND2X = GETFND2F.
EXECUTE.

DESCRIPTIVES VAR GETFND2A GETFND2B GETFND2C GETFND2D GETFND2E GETFND2F
GETFND2X.

*.
* OBTAINED SUPPLIER CREDIT.
*.

COMPUTE SUPCRD2X = SUPCRD2A.
EXECUTE.

IF (SYSMIS(SUPCRD2X) = 1) SUPCRD2X = SUPCRD2B.
EXECUTE.

IF (SYSMIS(SUPCRD2X) = 1) SUPCRD2X = SUPCRD2C.
EXECUTE.

IF (SYSMIS(SUPCRD2X) = 1) SUPCRD2X = SUPCRD2D.
EXECUTE.

IF (SYSMIS(SUPCRD2X) = 1) SUPCRD2X = SUPCRD2E.
EXECUTE.

IF (SYSMIS(SUPCRD2X) = 1) SUPCRD2X = SUPCRD2F.
EXECUTE.

*.
IF (SUPCRD2A LT SUPCRD2X) SUPCRD2X = SUPCRD2A.
IF (SUPCRD2B LT SUPCRD2X) SUPCRD2X = SUPCRD2B.
IF (SUPCRD2C LT SUPCRD2X) SUPCRD2X = SUPCRD2C.
IF (SUPCRD2D LT SUPCRD2X) SUPCRD2X = SUPCRD2D.

```

IF (SUPCRD2E LT SUPCRD2X) SUPCRD2X = SUPCRD2E.
IF (SUPCRD2F LT SUPCRD2X) SUPCRD2X = SUPCRD2F.
EXECUTE.
DESCRIPTIVES VAR SUPCRD2A SUPCRD2B SUPCRD2C SUPCRD2D SUPCRD2E SUPCRD2F
    SUPCRD2X.
*.
*   FIRST PERSON HIRED.
*.
COMPUTE HIRE__2X    = HIRE__2A.
EXECUTE.
IF (SYSMIS(HIRE__2X) = 1) HIRE__2X = HIRE__2B.
EXECUTE.
IF (SYSMIS(HIRE__2X) = 1) HIRE__2X = HIRE__2C.
EXECUTE.
IF (SYSMIS(HIRE__2X) = 1) HIRE__2X = HIRE__2D.
EXECUTE.
IF (SYSMIS(HIRE__2X) = 1) HIRE__2X = HIRE__2E.
EXECUTE.
IF (SYSMIS(HIRE__2X) = 1) HIRE__2X = HIRE__2F.
EXECUTE.
*.
IF (HIRE__2A LT HIRE__2X) HIRE__2X = HIRE__2A.
IF (HIRE__2B LT HIRE__2X) HIRE__2X = HIRE__2B.
IF (HIRE__2C LT HIRE__2X) HIRE__2X = HIRE__2C.
IF (HIRE__2D LT HIRE__2X) HIRE__2X = HIRE__2D.
IF (HIRE__2E LT HIRE__2X) HIRE__2X = HIRE__2E.
IF (HIRE__2F LT HIRE__2X) HIRE__2X = HIRE__2F.
EXECUTE.
DESCRIPTIVES VAR HIRE__2A HIRE__2B HIRE__2C HIRE__2D HIRE__2E HIRE__2F
    HIRE__2X.
*.
*   ESTABLISHED A BUSIENSS BANK ACCOUNT.
*.
COMPUTE BKACCT2X    = BKACCT2A.
EXECUTE.
IF (SYSMIS(BKACCT2X) = 1) BKACCT2X = BKACCT2B.
EXECUTE.
IF (SYSMIS(BKACCT2X) = 1) BKACCT2X = BKACCT2C.
EXECUTE.
IF (SYSMIS(BKACCT2X) = 1) BKACCT2X = BKACCT2D.
EXECUTE.
IF (SYSMIS(BKACCT2X) = 1) BKACCT2X = BKACCT2E.
EXECUTE.
IF (SYSMIS(BKACCT2X) = 1) BKACCT2X = BKACCT2F.
EXECUTE.
*.
IF (BKACCT2A LT BKACCT2X) BKACCT2X = BKACCT2A.
IF (BKACCT2B LT BKACCT2X) BKACCT2X = BKACCT2B.
IF (BKACCT2C LT BKACCT2X) BKACCT2X = BKACCT2C.
IF (BKACCT2D LT BKACCT2X) BKACCT2X = BKACCT2D.
IF (BKACCT2E LT BKACCT2X) BKACCT2X = BKACCT2E.
IF (BKACCT2F LT BKACCT2X)    BKACCT2X = BKACCT2F.
EXECUTE.
DESCRIPTIVES VAR BKACCT2A BKACCT2B BKACCT2C BKACCT2D BKACCT2E BKACCT2F

```

BKACCT2X.

*.
* FIRST INCOME RECEIVED.

*.
COMPUTE SALES_2X = SALES_2A.

EXECUTE.

IF (SYSMIS(SALES_2X) = 1) SALES_2X = SALES_2B.

EXECUTE.

IF (SYSMIS(SALES_2X) = 1) SALES_2X = SALES_2C.

EXECUTE.

IF (SYSMIS(SALES_2X) = 1) SALES_2X = SALES_2D.

EXECUTE.

IF (SYSMIS(SALES_2X) = 1) SALES_2X = SALES_2E.

EXECUTE.

IF (SYSMIS(SALES_2X) = 1) SALES_2X = SALES_2F.

EXECUTE.

*.
IF (SALES_2A LT SALES_2X) SALES_2X = SALES_2A.

IF (SALES_2B LT SALES_2X) SALES_2X = SALES_2B.

IF (SALES_2C LT SALES_2X) SALES_2X = SALES_2C.

IF (SALES_2D LT SALES_2X) SALES_2X = SALES_2D.

IF (SALES_2E LT SALES_2X) SALES_2X = SALES_2E.

IF (SALES_2F LT SALES_2X) SALES_2X = SALES_2F.

EXECUTE.

DESCRIPTIVES VAR SALES_2A SALES_2B SALES_2C SALES_2D SALES_2E SALES_2F
SALES_2X.

*.
* FIRST MONTHLY POSITIVE CASH FLOW.

*.
COMPUTE CSHFL_2X = CSHFL_2A.

EXECUTE.

IF (SYSMIS(CSHFL_2X) = 1) CSHFL_2X = CSHFL_2B.

EXECUTE.

IF (SYSMIS(CSHFL_2X) = 1) CSHFL_2X = CSHFL_2C.

EXECUTE.

IF (SYSMIS(CSHFL_2X) = 1) CSHFL_2X = CSHFL_2D.

EXECUTE.

IF (SYSMIS(CSHFL_2X) = 1) CSHFL_2X = CSHFL_2E.

EXECUTE.

IF (SYSMIS(CSHFL_2X) = 1) CSHFL_2X = CSHFL_2F.

EXECUTE.

*.
*.
IF (CSHFL_2A LT CSHFL_2X) CSHFL_2X = CSHFL_2A.

IF (CSHFL_2B LT CSHFL_2X) CSHFL_2X = CSHFL_2B.

IF (CSHFL_2C LT CSHFL_2X) CSHFL_2X = CSHFL_2C.

IF (CSHFL_2D LT CSHFL_2X) CSHFL_2X = CSHFL_2D.

IF (CSHFL_2E LT CSHFL_2X) CSHFL_2X = CSHFL_2E.

IF (CSHFL_2F LT CSHFL_2X) CSHFL_2X = CSHFL_2F.

EXECUTE.

DESCRIPTIVES VAR CSHFL_2A CSHFL_2B CSHFL_2C CSHFL_2D CSHFL_2E CSHFL_2F
CSHFL_2X.

*.
* HIRED ACCOUNTNT FOR BUSINESS.

```

*.
COMPUTE HRACCT2X      = HRACCT2A.
EXECUTE.
IF (SYSMIS(HRACCT2X) = 1) HRACCT2X = HRACCT2B.
EXECUTE.
IF (SYSMIS(HRACCT2X) = 1) HRACCT2X = HRACCT2C.
EXECUTE.
IF (SYSMIS(HRACCT2X) = 1) HRACCT2X = HRACCT2D.
EXECUTE.
IF (SYSMIS(HRACCT2X) = 1) HRACCT2X = HRACCT2E.
EXECUTE.
IF (SYSMIS(HRACCT2X) = 1) HRACCT2X = HRACCT2F.
EXECUTE.
*.
IF (HRACCT2A LT HRACCT2X) HRACCT2X = HRACCT2A.
IF (HRACCT2B LT HRACCT2X) HRACCT2X = HRACCT2B.
IF (HRACCT2C LT HRACCT2X) HRACCT2X = HRACCT2C.
IF (HRACCT2D LT HRACCT2X) HRACCT2X = HRACCT2D.
IF (HRACCT2E LT HRACCT2X) HRACCT2X = HRACCT2E.
IF (HRACCT2F LT HRACCT2X) HRACCT2X = HRACCT2F.
EXECUTE.
DESCRIPTIVES VAR HRACCT2A HRACCT2B HRACCT2C HRACCT2D HRACCT2E HRACCT2F
      HRACCT2X.
*.
*   HIRED LAWYER FOR THE BUSINESS.
*.
COMPUTE HRLAWR2X      = HRLAWR2A.
EXECUTE.
IF (SYSMIS(HRLAWR2X) = 1) HRLAWR2X = HRLAWR2B.
EXECUTE.
IF (SYSMIS(HRLAWR2X) = 1) HRLAWR2X = HRLAWR2C.
EXECUTE.
IF (SYSMIS(HRLAWR2X) = 1) HRLAWR2X = HRLAWR2D.
EXECUTE.
IF (SYSMIS(HRLAWR2X) = 1) HRLAWR2X = HRLAWR2E.
EXECUTE.
IF (SYSMIS(HRLAWR2X) = 1) HRLAWR2X = HRLAWR2F.
EXECUTE.
*.
IF (HRLAWR2A LT HRLAWR2X) HRLAWR2X = HRLAWR2A.
IF (HRLAWR2B LT HRLAWR2X) HRLAWR2X = HRLAWR2B.
IF (HRLAWR2C LT HRLAWR2X) HRLAWR2X = HRLAWR2C.
IF (HRLAWR2D LT HRLAWR2X) HRLAWR2X = HRLAWR2D.
IF (HRLAWR2E LT HRLAWR2X) HRLAWR2X = HRLAWR2E.
IF (HRLAWR2F LT HRLAWR2X) HRLAWR2X = HRLAWR2F.
EXECUTE.
DESCRIPTIVES VAR HRLAWR2A HRLAWR2B HRLAWR2C HRLAWR2D HRLAWR2E HRLAWR2F
      HRLAWR2X.
*.
*   JOINED A TRADE ASSOCIATION.
*.
COMPUTE TDASOC2X      = TDASOC2A.
EXECUTE.
IF (SYSMIS(TDASOC2X) = 1) TDASOC2X = TDASOC2B.

```

```

EXECUTE.
IF (SYSMIS(TDASOC2X) = 1) TDASOC2X = TDASOC2C.
EXECUTE.
IF (SYSMIS(TDASOC2X) = 1) TDASOC2X = TDASOC2D.
EXECUTE.
IF (SYSMIS(TDASOC2X) = 1) TDASOC2X = TDASOC2E.
EXECUTE.
IF (SYSMIS(TDASOC2X) = 1) TDASOC2X = TDASOC2F.
EXECUTE.
*.
IF (TDASOC2A LT TDASOC2X) TDASOC2X = TDASOC2A.
IF (TDASOC2B LT TDASOC2X) TDASOC2X = TDASOC2B.
IF (TDASOC2C LT TDASOC2X) TDASOC2X = TDASOC2C.
IF (TDASOC2D LT TDASOC2X) TDASOC2X = TDASOC2D.
IF (TDASOC2E LT TDASOC2X) TDASOC2X = TDASOC2E.
IF (TDASOC2F LT TDASOC2X) TDASOC2X = TDASOC2F.
EXECUTE.
DESCRIPTIVES VAR TDASOC2A TDASOC2B TDASOC2C TDASOC2D TDASOC2E TDASOC2F
    TDASOC2X.
*.
* ESTABLISHED PHONE/INTERNET CONNECTION/LISTING.
*.
COMPUTE PHLIST2X = PHLIST2A.
EXECUTE.
IF (SYSMIS(PHLIST2X) = 1) PHLIST2X = PHLIST2B.
EXECUTE.
IF (SYSMIS(PHLIST2X) = 1) PHLIST2X = PHLIST2C.
EXECUTE.
IF (SYSMIS(PHLIST2X) = 1) PHLIST2X = PHLIST2D.
EXECUTE.
IF (SYSMIS(PHLIST2X) = 1) PHLIST2X = PHLIST2E.
EXECUTE.
IF (SYSMIS(PHLIST2X) = 1) PHLIST2X = PHLIST2F.
EXECUTE.
*.
IF (PHLIST2A LT PHLIST2X) PHLIST2X = PHLIST2A.
IF (PHLIST2B LT PHLIST2X) PHLIST2X = PHLIST2B.
IF (PHLIST2C LT PHLIST2X) PHLIST2X = PHLIST2C.
IF (PHLIST2D LT PHLIST2X) PHLIST2X = PHLIST2D.
IF (PHLIST2E LT PHLIST2X) PHLIST2X = PHLIST2E.
IF (PHLIST2F LT PHLIST2X) PHLIST2X = PHLIST2F.
EXECUTE.
DESCRIPTIVES VAR PHLIST2A PHLIST2B PHLIST2C PHLIST2D PHLIST2E PHLIST2F
    PHLIST2X.
*.
* APPLIED FOR FEDERAL EIN NUMBER.
*.
COMPUTE EIN__2X = EIN__2A.
EXECUTE.
IF (SYSMIS(EIN__2X) = 1) EIN__2X = EIN__2B.
EXECUTE.
IF (SYSMIS(EIN__2X) = 1) EIN__2X = EIN__2C.
EXECUTE.
IF (SYSMIS(EIN__2X) = 1) EIN__2X = EIN__2D.

```


EXECUTE.

IF (SYSMIS(EIN__2X) = 1) EIN__2X = EIN__2E.

EXECUTE.

IF (SYSMIS(EIN__2X) = 1) EIN__2X = EIN__2F.

EXECUTE.

*.

IF (EIN__2A LT EIN__2X) EIN__2X = EIN__2A.

IF (EIN__2B LT EIN__2X) EIN__2X = EIN__2B.

IF (EIN__2C LT EIN__2X) EIN__2X = EIN__2C.

IF (EIN__2D LT EIN__2X) EIN__2X = EIN__2D.

IF (EIN__2E LT EIN__2X) EIN__2X = EIN__2E.

IF (EIN__2F LT EIN__2X) EIN__2X = EIN__2F.

EXECUTE.

DESCRIPTIVES VAR EIN__2A EIN__2B EIN__2C EIN__2D EIN__2E EIN__2F
EIN__2X.

*.

* APPLIED FOR FICTIOUS [DBA] NAME.

*.

COMPUTE DBA__2X = DBA__2A.

EXECUTE.

IF (SYSMIS(DBA__2X) = 1) DBA__2X = DBA__2B.

EXECUTE.

IF (SYSMIS(DBA__2X) = 1) DBA__2X = DBA__2C.

EXECUTE.

IF (SYSMIS(DBA__2X) = 1) DBA__2X = DBA__2D.

EXECUTE.

IF (SYSMIS(DBA__2X) = 1) DBA__2X = DBA__2E.

EXECUTE.

IF (SYSMIS(DBA__2X) = 1) DBA__2X = DBA__2F.

EXECUTE.

*.

IF (DBA__2A LT DBA__2X) DBA__2X = DBA__2A.

IF (DBA__2B LT DBA__2X) DBA__2X = DBA__2B.

IF (DBA__2C LT DBA__2X) DBA__2X = DBA__2C.

IF (DBA__2D LT DBA__2X) DBA__2X = DBA__2D.

IF (DBA__2E LT DBA__2X) DBA__2X = DBA__2E.

IF (DBA__2F LT DBA__2X) DBA__2X = DBA__2F.

EXECUTE.

DESCRIPTIVES VAR DBA__2A DBA__2B DBA__2C DBA__2D DBA__2E DBA__2F
DBA__2X.

*.

* PAID FIRST STATE UNEMPLOYMENT INSURANCE.

*.

COMPUTE UNEMP_2X = UNEMP_2A.

EXECUTE.

IF (SYSMIS(UNEMP_2X) = 1) UNEMP_2X = UNEMP_2B.

EXECUTE.

IF (SYSMIS(UNEMP_2X) = 1) UNEMP_2X = UNEMP_2C.

EXECUTE.

IF (SYSMIS(UNEMP_2X) = 1) UNEMP_2X = UNEMP_2D.

EXECUTE.

IF (SYSMIS(UNEMP_2X) = 1) UNEMP_2X = UNEMP_2E.

EXECUTE.

IF (SYSMIS(UNEMP_2X) = 1) UNEMP_2X = UNEMP_2F.

EXECUTE.

*.

IF (UNEMP_2A LT UNEMP_2X) UNEMP_2X = UNEMP_2A.

IF (UNEMP_2B LT UNEMP_2X) UNEMP_2X = UNEMP_2B.

IF (UNEMP_2C LT UNEMP_2X) UNEMP_2X = UNEMP_2C.

IF (UNEMP_2D LT UNEMP_2X) UNEMP_2X = UNEMP_2D.

IF (UNEMP_2E LT UNEMP_2X) UNEMP_2X = UNEMP_2E.

IF (UNEMP_2F LT UNEMP_2X) UNEMP_2X = UNEMP_2F.

EXECUTE.

DESCRIPTIVES VAR UNEMP_2A UNEMP_2B UNEMP_2C UNEMP_2D UNEMP_2E UNEMP_2F
UNEMP_2X.

*.

* FILED FIRST FEDERAL FICA [SOC SEC] PAYMENT.

*.

COMPUTE FICA__2X = FICA__2A.

EXECUTE.

IF (SYSMIS(FICA__2X) = 1) FICA__2X = FICA__2B.

EXECUTE.

IF (SYSMIS(FICA__2X) = 1) FICA__2X = FICA__2C.

EXECUTE.

IF (SYSMIS(FICA__2X) = 1) FICA__2X = FICA__2D.

EXECUTE.

IF (SYSMIS(FICA__2X) = 1) FICA__2X = FICA__2E.

EXECUTE.

IF (SYSMIS(FICA__2X) = 1) FICA__2X = FICA__2F.

EXECUTE.

*.

IF (FICA__2A LT FICA__2X) FICA__2X = FICA__2A.

IF (FICA__2B LT FICA__2X) FICA__2X = FICA__2B.

IF (FICA__2C LT FICA__2X) FICA__2X = FICA__2C.

IF (FICA__2D LT FICA__2X) FICA__2X = FICA__2D.

IF (FICA__2E LT FICA__2X) FICA__2X = FICA__2E.

IF (FICA__2F LT FICA__2X) FICA__2X = FICA__2F.

EXECUTE.

DESCRIPTIVES VAR FICA__2A FICA__2B FICA__2C FICA__2D FICA__2E FICA__2F
FICA__2X.

*.

* FILED FIRST FEDERAL INCOME TAX RETURN.

*.

COMPUTE FEDTAX2X = FEDTAX2A.

EXECUTE.

IF (SYSMIS(FEDTAX2X) = 1) FEDTAX2X = FEDTAX2B.

EXECUTE.

IF (SYSMIS(FEDTAX2X) = 1) FEDTAX2X = FEDTAX2C.

EXECUTE.

IF (SYSMIS(FEDTAX2X) = 1) FEDTAX2X = FEDTAX2D.

EXECUTE.

IF (SYSMIS(FEDTAX2X) = 1) FEDTAX2X = FEDTAX2E.

EXECUTE.

IF (SYSMIS(FEDTAX2X) = 1) FEDTAX2X = FEDTAX2F.

EXECUTE.

*.

IF (FEDTAX2A LT FEDTAX2X) FEDTAX2X = FEDTAX2A.

IF (FEDTAX2B LT FEDTAX2X) FEDTAX2X = FEDTAX2B.

```

IF (FEDTAX2C LT FEDTAX2X) FEDTAX2X = FEDTAX2C.
IF (FEDTAX2D LT FEDTAX2X) FEDTAX2X = FEDTAX2D.
IF (FEDTAX2E LT FEDTAX2X) FEDTAX2X = FEDTAX2E.
IF (FEDTAX2F LT FEDTAX2X) FEDTAX2X = FEDTAX2F.
EXECUTE.
DESCRIPTIVES VAR FEDTAX2A FEDTAX2B FEDTAX2C FEDTAX2D FEDTAX2E FEDTAX2F
    FEDTAX2X.
*.
*   FIRST KNOWN LISTED IN D&B FILES.
*.
COMPUTE DANDB_2X      = DANDB_2A.
EXECUTE.
IF (SYSMIS(DANDB_2X) = 1) DANDB_2X = DANDB_2B.
EXECUTE.
IF (SYSMIS(DANDB_2X) = 1) DANDB_2X = DANDB_2C.
EXECUTE.
IF (SYSMIS(DANDB_2X) = 1) DANDB_2X = DANDB_2D.
EXECUTE.
IF (SYSMIS(DANDB_2X) = 1) DANDB_2X = DANDB_2E.
EXECUTE.
IF (SYSMIS(DANDB_2X) = 1) DANDB_2X = DANDB_2F.
EXECUTE.
*.
IF (DANDB_2A LT DANDB_2X) DANDB_2X = DANDB_2A.
IF (DANDB_2B LT DANDB_2X) DANDB_2X = DANDB_2B.
IF (DANDB_2C LT DANDB_2X) DANDB_2X = DANDB_2C.
IF (DANDB_2D LT DANDB_2X) DANDB_2X = DANDB_2D.
IF (DANDB_2E LT DANDB_2X) DANDB_2X = DANDB_2E.
IF (DANDB_2F LT DANDB_2X) DANDB_2X = DANDB_2F.
EXECUTE.
DESCRIPTIVES VAR DANDB_2A DANDB_2B DANDB_2C DANDB_2D DANDB_2E DANDB_2F
    DANDB_2X.
*.
*   OWNER #1 SIGNED EQUITY AGREEMENT.
*.
COMPUTE EQTAG2X1      = EQTAG2A1.
EXECUTE.
IF (SYSMIS(EQTAG2X1) = 1) EQTAG2X1 = EQTAG2B1.
EXECUTE.
IF (SYSMIS(EQTAG2X1) = 1) EQTAG2X1 = EQTAG2C1.
EXECUTE.
IF (SYSMIS(EQTAG2X1) = 1) EQTAG2X1 = EQTAG2D1.
EXECUTE.
IF (SYSMIS(EQTAG2X1) = 1) EQTAG2X1 = EQTAG2E1.
EXECUTE.
IF (SYSMIS(EQTAG2X1) = 1) EQTAG2X1 = EQTAG2F1.
EXECUTE.
*.
IF (EQTAG2A1 LT EQTAG2X1) EQTAG2X1 = EQTAG2A1.
IF (EQTAG2B1 LT EQTAG2X1) EQTAG2X1 = EQTAG2B1.
IF (EQTAG2C1 LT EQTAG2X1) EQTAG2X1 = EQTAG2C1.
IF (EQTAG2D1 LT EQTAG2X1) EQTAG2X1 = EQTAG2D1.
IF (EQTAG2E1 LT EQTAG2X1) EQTAG2X1 = EQTAG2E1.
IF (EQTAG2F1 LT EQTAG2X1) EQTAG2X1 = EQTAG2F1.

```

```

EXECUTE.
DESCRIPTIVES VAR EQTAG2A1 EQTAG2B1 EQTAG2C1 EQTAG2D1 EQTAG2E1 EQTAG2F1
EQTAG2X1.
*.
* OWNER #2 SIGNED EQUITY AGREEMENT.
*.
COMPUTE EQTAG2X2 = EQTAG2A2.
EXECUTE.
IF (SYSMIS(EQTAG2X2) = 1) EQTAG2X2 = EQTAG2B2.
EXECUTE.
IF (SYSMIS(EQTAG2X2) = 1) EQTAG2X2 = EQTAG2C2.
EXECUTE.
IF (SYSMIS(EQTAG2X2) = 1) EQTAG2X2 = EQTAG2D2.
EXECUTE.
IF (SYSMIS(EQTAG2X2) = 1) EQTAG2X2 = EQTAG2E2.
EXECUTE.
IF (SYSMIS(EQTAG2X2) = 1) EQTAG2X2 = EQTAG2F2.
EXECUTE.
*.
IF (EQTAG2A2 LT EQTAG2X2) EQTAG2X2 = EQTAG2A2.
IF (EQTAG2B2 LT EQTAG2X2) EQTAG2X2 = EQTAG2B2.
IF (EQTAG2C2 LT EQTAG2X2) EQTAG2X2 = EQTAG2C2.
IF (EQTAG2D2 LT EQTAG2X2) EQTAG2X2 = EQTAG2D2.
IF (EQTAG2E2 LT EQTAG2X2) EQTAG2X2 = EQTAG2E2.
IF (EQTAG2F2 LT EQTAG2X2) EQTAG2X2 = EQTAG2F2.
EXECUTE.
DESCRIPTIVES VAR EQTAG2A2 EQTAG2B2 EQTAG2C2 EQTAG2D2 EQTAG2E2 EQTAG2F2
EQTAG2X2.
*.
* OWNER #3 SIGNED EQUITY AGREEMENT.
*.
COMPUTE EQTAG2X3 = EQTAG2A3.
EXECUTE.
IF (SYSMIS(EQTAG2X3) = 1) EQTAG2X3 = EQTAG2B3.
EXECUTE.
IF (SYSMIS(EQTAG2X3) = 1) EQTAG2X3 = EQTAG2C3.
EXECUTE.
IF (SYSMIS(EQTAG2X3) = 1) EQTAG2X3 = EQTAG2D3.
EXECUTE.
IF (SYSMIS(EQTAG2X3) = 1) EQTAG2X3 = EQTAG2E3.
EXECUTE.
IF (SYSMIS(EQTAG2X3) = 1) EQTAG2X3 = EQTAG2F3.
EXECUTE.
*.
IF (EQTAG2A3 LT EQTAG2X3) EQTAG2X3 = EQTAG2A3.
IF (EQTAG2B3 LT EQTAG2X3) EQTAG2X3 = EQTAG2B3.
IF (EQTAG2C3 LT EQTAG2X3) EQTAG2X3 = EQTAG2C3.
IF (EQTAG2D3 LT EQTAG2X3) EQTAG2X3 = EQTAG2D3.
IF (EQTAG2E3 LT EQTAG2X3) EQTAG2X3 = EQTAG2E3.
IF (EQTAG2F3 LT EQTAG2X3) EQTAG2X3 = EQTAG2F3.
EXECUTE.
DESCRIPTIVES VAR EQTAG2A3 EQTAG2B3 EQTAG2C3 EQTAG2D3 EQTAG2E3 EQTAG2F3
EQTAG2X3.
*.

```

* OWNER #4 SIGNED EQUITY AGREEMENT.

*.
COMPUTE EQTAG2X4 = EQTAG2A4.

EXECUTE.
IF (SYSMIS(EQTAG2X4) = 1) EQTAG2X4 = EQTAG2B4.
EXECUTE.

IF (SYSMIS(EQTAG2X4) = 1) EQTAG2X4 = EQTAG2C4.
EXECUTE.

IF (SYSMIS(EQTAG2X4) = 1) EQTAG2X4 = EQTAG2D4.
EXECUTE.

IF (SYSMIS(EQTAG2X4) = 1) EQTAG2X4 = EQTAG2E4.
EXECUTE.

IF (SYSMIS(EQTAG2X4) = 1) EQTAG2X4 = EQTAG2F4.
EXECUTE.

*.
IF (EQTAG2A4 LT EQTAG2X4) EQTAG2X4 = EQTAG2A4.

IF (EQTAG2B4 LT EQTAG2X4) EQTAG2X4 = EQTAG2B4.

IF (EQTAG2C4 LT EQTAG2X4) EQTAG2X4 = EQTAG2C4.

IF (EQTAG2D4 LT EQTAG2X4) EQTAG2X4 = EQTAG2D4.

IF (EQTAG2E4 LT EQTAG2X4) EQTAG2X4 = EQTAG2E4.

IF (EQTAG2F4 LT EQTAG2X4) EQTAG2X4 = EQTAG2F4.

EXECUTE.

DESCRIPTIVES VAR EQTAG2A4 EQTAG2B4 EQTAG2C4 EQTAG2D4 EQTAG2E4 EQTAG2F4
EQTAG2X4.

*.
* OWNER #5 SIGNED EQUITY AGREEMENT.

*.
COMPUTE EQTAG2X5 = EQTAG2A5.

EXECUTE.
IF (SYSMIS(EQTAG2X5) = 1) EQTAG2X5 = EQTAG2B5.

EXECUTE.
IF (SYSMIS(EQTAG2X5) = 1) EQTAG2X5 = EQTAG2C5.

EXECUTE.
IF (SYSMIS(EQTAG2X5) = 1) EQTAG2X5 = EQTAG2D5.

EXECUTE.
IF (SYSMIS(EQTAG2X5) = 1) EQTAG2X5 = EQTAG2E5.

EXECUTE.
IF (SYSMIS(EQTAG2X5) = 1) EQTAG2X5 = EQTAG2F5.

EXECUTE.
IF (EQTAG2A5 LT EQTAG2X5) EQTAG2X5 = EQTAG2A5.

IF (EQTAG2B5 LT EQTAG2X5) EQTAG2X5 = EQTAG2B5.

IF (EQTAG2C5 LT EQTAG2X5) EQTAG2X5 = EQTAG2C5.

IF (EQTAG2D5 LT EQTAG2X5) EQTAG2X5 = EQTAG2D5.

IF (EQTAG2E5 LT EQTAG2X5) EQTAG2X5 = EQTAG2E5.

IF (EQTAG2F5 LT EQTAG2X5) EQTAG2X5 = EQTAG2F5.

EXECUTE.

DESCRIPTIVES VAR EQTAG2A5 EQTAG2B5 EQTAG2C5 EQTAG2D5 EQTAG2E5 EQTAG2F5
EQTAG2X5.

*.
*=====.

*.
* NO RESPONDENT 1 FIRST INVOLVEMENT DATA.

*.
* 2,3,4,5 IN WAVES B AND C ARE NEW ADDITIONS TO.
* THE START-UP TEAMS. NOT ORIGINAL PERSONS 2-5.
* THERE IS NO DUPLICATION OF START-UP TEAM MEMBERS.
*.
*=====.

*.
DESCRIPTIVE VAR INVOL2A2 INVOL2A3 INVOL2A4 INVOL2A5.
*.
*.

COMPUTE INVOL2X2 = INVOL2A2.
EXECUTE.

DESCRIPTIVES VAR INVOL2A2 INVOL2X2.
*.
*.

COMPUTE INVOL2X3 = INVOL2A3.
EXECUTE.

DESCRIPTIVES VAR INVOL2A3 INVOL2X3.
*.
*.

COMPUTE INVOL2X4 = INVOL2A4.
EXECUTE.

DESCRIPTIVES VAR INVOL2A4 INVOL2X4.
*.
*.

COMPUTE INVOL2X5 = INVOL2A5.
EXECUTE.

DESCRIPTIVES VAR INVOL2A5 INVOL2X5.
*.
*.
*=====.

*.
* NO RESPONDENT FULL TIME WORK DATA IN WAVES B & C.
*.
*.

* 2,3,4,5 IN WAVES B AND C ARE NEW ADDITIONS TO.
* THE START-UP TEAMS. NOT ORIGINAL PERSONS 2-5.
* THERE IS NO DUPLICATION OF START-UP TEAM MEMBERS.
*.
*=====.

*.
COMPUTE FTWK_2X1 = FTwk_2A1.
DESCRIPTIVES VAR FTWK_2A1 FTWK_2X1.
*.
*.

COMPUTE FTWK_2X2 = FTwk_2A2.
DESCRIPTIVES VAR FTWK_2A2 FTWK_2X2.
*.
*.

COMPUTE FTWK_2X3 = FTwk_2A3.
DESCRIPTIVES VAR FTWK_2A2 FTWK_2X3.
*.
*.

COMPUTE FTWK_2X4 = FTwk_2A4.
DESCRIPTIVES VAR FTWK_2A2 FTWK_2X4.
*.
*.

COMPUTE FTWK_2X5 = FTwk_2A5.

DESCRIPTIVES VAR FTWK_2A2 FTWK_2X5.

*.
* DATE LEGAL OWNER # 2 BECAME INVOLVED.

*.
COMPUTE LEINV2X2 = LEINV2A2.

EXECUTE.

IF (SYSMIS(LEINV2X2) = 1) LEINV2X2 = LEINV2B2.

EXECUTE.

IF (SYSMIS(LEINV2X2) = 1) LEINV2X2 = LEINV2C2.

EXECUTE.

IF (SYSMIS(LEINV2X2) = 1) LEINV2X2 = LEINV2D2.

EXECUTE.

IF (SYSMIS(LEINV2X2) = 1) LEINV2X2 = LEINV2E2.

EXECUTE.

IF (SYSMIS(LEINV2X2) = 1) LEINV2X2 = LEINV2F2.

EXECUTE.

*.
IF (LEINV2A2 LT LEINV2X2) LEINV2X2 = LEINV2A2.

IF (LEINV2B2 LT LEINV2X2) LEINV2X2 = LEINV2B2.

IF (LEINV2C2 LT LEINV2X2) LEINV2X2 = LEINV2C2.

IF (LEINV2D2 LT LEINV2X2) LEINV2X2 = LEINV2D2.

IF (LEINV2E2 LT LEINV2X2) LEINV2X2 = LEINV2E2.

IF (LEINV2F2 LT LEINV2X2) LEINV2X2 = LEINV2F2.

EXECUTE.

DESCRIPTIVES VAR LEINV2A2 LEINV2B2 LEINV2C2 LEINV2D2 LEINV2E2 LEINV2F2
LEINV2X2.

*.
* DATE LEGAL OWNER # 3 BECAME INVOLVED.

*.
COMPUTE LEINV2X3 = LEINV2A3.

EXECUTE.

IF (SYSMIS(LEINV2X3) = 1) LEINV2X3 = LEINV2B3.

EXECUTE.

IF (SYSMIS(LEINV2X3) = 1) LEINV2X3 = LEINV2C3.

EXECUTE.

IF (SYSMIS(LEINV2X3) = 1) LEINV2X3 = LEINV2D3.

EXECUTE.

IF (SYSMIS(LEINV2X3) = 1) LEINV2X3 = LEINV2E3.

EXECUTE.

IF (SYSMIS(LEINV2X3) = 1) LEINV2X3 = LEINV2F3.

EXECUTE.

*.
IF (LEINV2A3 LT LEINV2X3) LEINV2X3 = LEINV2A3.

IF (LEINV2B3 LT LEINV2X3) LEINV2X3 = LEINV2B3.

IF (LEINV2C3 LT LEINV2X3) LEINV2X3 = LEINV2C3.

IF (LEINV2D3 LT LEINV2X3) LEINV2X3 = LEINV2D3.

IF (LEINV2E3 LT LEINV2X3) LEINV2X3 = LEINV2E3.

IF (LEINV2F3 LT LEINV2X3) LEINV2X3 = LEINV2F3.

EXECUTE.

DESCRIPTIVES VAR LEINV2A3 LEINV2B3 LEINV2C3 LEINV2D3 LEINV2E3 LEINV2F3
LEINV2X3.

*.
* DATE LEGAL OWNER # 4 BECAME INVOLVED.

*.

```
COMPUTE LEINV2X4      = LEINV2A4.
EXECUTE.
IF (SYSMIS(LEINV2X4) = 1) LEINV2X4 = LEINV2B4.
EXECUTE.
IF (SYSMIS(LEINV2X4) = 1) LEINV2X4 = LEINV2C4.
EXECUTE.
IF (SYSMIS(LEINV2X4) = 1) LEINV2X4 = LEINV2D4.
EXECUTE.
IF (SYSMIS(LEINV2X4) = 1) LEINV2X4 = LEINV2E4.
EXECUTE.
IF (SYSMIS(LEINV2X4) = 1) LEINV2X4 = LEINV2F4.
EXECUTE.
*.
IF (LEINV2A4 LT LEINV2X4) LEINV2X4 = LEINV2A4.
IF (LEINV2B4 LT LEINV2X4) LEINV2X4 = LEINV2B4.
IF (LEINV2C4 LT LEINV2X4) LEINV2X4 = LEINV2C4.
IF (LEINV2D4 LT LEINV2X4) LEINV2X4 = LEINV2D4.
IF (LEINV2E4 LT LEINV2X4) LEINV2X4 = LEINV2E4.
IF (LEINV2F4 LT LEINV2X4) LEINV2X4 = LEINV2F4.
EXECUTE.
DESCRIPTIVES VAR LEINV2A4 LEINV2B4 LEINV2C4 LEINV2D4 LEINV2E4 LEINV2F4
              LEINV2X4.
```

```
*.
*   DATE LEGAL OWNER # 5 BECAME INVOLVED.
*.
```

```
COMPUTE LEINV2X5      = LEINV2A5.
EXECUTE.
IF (SYSMIS(LEINV2X5) = 1) LEINV2X5 = LEINV2B5.
EXECUTE.
IF (SYSMIS(LEINV2X5) = 1) LEINV2X5 = LEINV2C5.
EXECUTE.
IF (SYSMIS(LEINV2X5) = 1) LEINV2X5 = LEINV2D5.
EXECUTE.
IF (SYSMIS(LEINV2X5) = 1) LEINV2X5 = LEINV2E5.
EXECUTE.
IF (SYSMIS(LEINV2X5) = 1) LEINV2X5 = LEINV2F5.
EXECUTE.
*.
IF (LEINV2A5 LT LEINV2X5) LEINV2X5 = LEINV2A5.
IF (LEINV2B5 LT LEINV2X5) LEINV2X5 = LEINV2B5.
IF (LEINV2C5 LT LEINV2X5) LEINV2X5 = LEINV2C5.
IF (LEINV2D5 LT LEINV2X5) LEINV2X5 = LEINV2D5.
IF (LEINV2E5 LT LEINV2X5) LEINV2X5 = LEINV2E5.
IF (LEINV2F5 LT LEINV2X5) LEINV2X5 = LEINV2F5.
EXECUTE.
DESCRIPTIVES VAR LEINV2A5 LEINV2B5 LEINV2C5 LEINV2D5 LEINV2E5 LEINV2F5
              LEINV2X5.
```

```
*.
*   FULL TIME WORK, KEY NON-OWNER #1.
*.
```

```
COMPUTE KEYFT2X1      = KEYFT2A1.
EXECUTE.
IF (SYSMIS(KEYFT2X1) = 1) KEYFT2X1 = KEYFT2B1.
EXECUTE.
```


IF (SYSMIS(KEYFT2X1) = 1) KEYFT2X1 = KEYFT2C1.
EXECUTE.

IF (SYSMIS(KEYFT2X1) = 1) KEYFT2X1 = KEYFT2D1.
EXECUTE.

IF (SYSMIS(KEYFT2X1) = 1) KEYFT2X1 = KEYFT2E1.
EXECUTE.

IF (SYSMIS(KEYFT2X1) = 1) KEYFT2X1 = KEYFT2F1.
EXECUTE.

*.

IF (KEYFT2A1 LT KEYFT2X1) KEYFT2X1 = KEYFT2A1.

IF (KEYFT2B1 LT KEYFT2X1) KEYFT2X1 = KEYFT2B1.

IF (KEYFT2C1 LT KEYFT2X1) KEYFT2X1 = KEYFT2C1.

IF (KEYFT2D1 LT KEYFT2X1) KEYFT2X1 = KEYFT2D1.

IF (KEYFT2E1 LT KEYFT2X1) KEYFT2X1 = KEYFT2E1.

IF (KEYFT2F1 LT KEYFT2X1) KEYFT2X1 = KEYFT2F1.

EXECUTE.

DESCRIPTIVES VAR KEYFT2A1 KEYFT2B1 KEYFT2C1 KEYFT2D1 KEYFT2E1 KEYFT2F1
KEYFT2X1.

*.

* FULL TIME WORK, KEY NON-OWNER #2.

*.

COMPUTE KEYFT2X2 = KEYFT2A2.

EXECUTE.

IF (SYSMIS(KEYFT2X2) = 1) KEYFT2X2 = KEYFT2B2.

EXECUTE.

IF (SYSMIS(KEYFT2X2) = 1) KEYFT2X2 = KEYFT2C2.

EXECUTE.

IF (SYSMIS(KEYFT2X2) = 1) KEYFT2X2 = KEYFT2D2.

EXECUTE.

IF (SYSMIS(KEYFT2X2) = 1) KEYFT2X2 = KEYFT2E2.

EXECUTE.

IF (SYSMIS(KEYFT2X2) = 1) KEYFT2X2 = KEYFT2F2.

EXECUTE.

*.

IF (KEYFT2A2 LT KEYFT2X2) KEYFT2X2 = KEYFT2A2.

IF (KEYFT2B2 LT KEYFT2X2) KEYFT2X2 = KEYFT2B2.

IF (KEYFT2C2 LT KEYFT2X2) KEYFT2X2 = KEYFT2C2.

IF (KEYFT2D2 LT KEYFT2X2) KEYFT2X2 = KEYFT2D2.

IF (KEYFT2E2 LT KEYFT2X2) KEYFT2X2 = KEYFT2E2.

IF (KEYFT2F2 LT KEYFT2X2) KEYFT2X2 = KEYFT2F2.

EXECUTE.

DESCRIPTIVES VAR KEYFT2A2 KEYFT2B2 KEYFT2C2 KEYFT2D2 KEYFT2E2 KEYFT2F2
KEYFT2X2.

*.

* FULL TIME WORK, KEY NON-OWNER #3.

*.

COMPUTE KEYFT2X3 = KEYFT2A3.

EXECUTE.

IF (SYSMIS(KEYFT2X3) = 1) KEYFT2X3 = KEYFT2B3.

EXECUTE.

IF (SYSMIS(KEYFT2X3) = 1) KEYFT2X3 = KEYFT2C3.

EXECUTE.

IF (SYSMIS(KEYFT2X3) = 1) KEYFT2X3 = KEYFT2D3.

EXECUTE.

```

IF (SYSMIS(KEYFT2X3) = 1) KEYFT2X3 = KEYFT2E3.
EXECUTE.
IF (SYSMIS(KEYFT2X3) = 1) KEYFT2X3 = KEYFT2F3.
EXECUTE.
*.
IF (KEYFT2A3 LT KEYFT2X3) KEYFT2X3 = KEYFT2A3.
IF (KEYFT2B3 LT KEYFT2X3) KEYFT2X3 = KEYFT2B3.
IF (KEYFT2C3 LT KEYFT2X3) KEYFT2X3 = KEYFT2C3.
IF (KEYFT2D3 LT KEYFT2X3) KEYFT2X3 = KEYFT2D3.
IF (KEYFT2E3 LT KEYFT2X3) KEYFT2X3 = KEYFT2E3.
IF (KEYFT2F3 LT KEYFT2X3) KEYFT2X3 = KEYFT2F3.
EXECUTE.
DESCRIPTIVES VAR KEYFT2A3 KEYFT2B3 KEYFT2C3 KEYFT2D3 KEYFT2E3 KEYFT2F3
KEYFT2X3.
*.
*.
COMPUTE HLPFT2X1 = HLPFT2A1.
DESCRIPTIVES VAR HLPFT2A1 HLPFT2X1.
*.
*.
COMPUTE HLPFT2X2 = HLPFT2A2.
DESCRIPTIVES VAR HLPFT2A2 HLPFT2X2.
*.
*.
COMPUTE HLPFT2X3 = HLPFT2A3.
DESCRIPTIVES VAR HLPFT2A3 HLPFT2X3.
*.
* INITIAL INVESTMENT, OWNER # 1.
*.
COMPUTE ONINV2X1 = ONINV2A1.
EXECUTE.
IF (SYSMIS(ONINV2X1) = 1) ONINV2X1 = ONINV2B1.
EXECUTE.
IF (SYSMIS(ONINV2X1) = 1) ONINV2X1 = ONINV2C1.
EXECUTE.
IF (SYSMIS(ONINV2X1) = 1) ONINV2X1 = ONINV2D1.
EXECUTE.
IF (SYSMIS(ONINV2X1) = 1) ONINV2X1 = ONINV2E1.
EXECUTE.
IF (SYSMIS(ONINV2X1) = 1) ONINV2X1 = ONINV2F1.
EXECUTE.
*.
IF (ONINV2A1 LT ONINV2X1) ONINV2X1 = ONINV2A1.
IF (ONINV2B1 LT ONINV2X1) ONINV2X1 = ONINV2B1.
IF (ONINV2C1 LT ONINV2X1) ONINV2X1 = ONINV2C1.
IF (ONINV2D1 LT ONINV2X1) ONINV2X1 = ONINV2D1.
IF (ONINV2E1 LT ONINV2X1) ONINV2X1 = ONINV2E1.
IF (ONINV2F1 LT ONINV2X1) ONINV2X1 = ONINV2F1.
EXECUTE.
DESCRIPTIVES VAR ONINV2A1 ONINV2B1 ONINV2C1 ONINV2D1 ONINV2E1 ONINV2F1
ONINV2X1.
*.
* INITIAL INVESTMENT, OWNER # 2.
*.

```

```

COMPUTE ONINV2X2      = ONINV2A2.
EXECUTE.
IF (SYSMIS(ONINV2X2) = 1) ONINV2X2 = ONINV2B2.
EXECUTE.
IF (SYSMIS(ONINV2X2) = 1) ONINV2X2 = ONINV2C2.
EXECUTE.
IF (SYSMIS(ONINV2X2) = 1) ONINV2X2 = ONINV2D2.
EXECUTE.
IF (SYSMIS(ONINV2X2) = 1) ONINV2X2 = ONINV2E2.
EXECUTE.
IF (SYSMIS(ONINV2X2) = 1) ONINV2X2 = ONINV2F2.
EXECUTE.
*.
IF (ONINV2A2 LT ONINV2X2) ONINV2X2 = ONINV2A2.
IF (ONINV2B2 LT ONINV2X2) ONINV2X2 = ONINV2B2.
IF (ONINV2C2 LT ONINV2X2) ONINV2X2 = ONINV2C2.
IF (ONINV2D2 LT ONINV2X2) ONINV2X2 = ONINV2D2.
IF (ONINV2E2 LT ONINV2X2) ONINV2X2 = ONINV2E2.
IF (ONINV2F2 LT ONINV2X2) ONINV2X2 = ONINV2F2.
EXECUTE.
DESCRIPTIVES VAR ONINV2A2 ONINV2B2 ONINV2C2 ONINV2D2 ONINV2E2 ONINV2F2
ONINV2X2.
*.
* INITIAL INVESTMENT, OWNER # 3.
*.
COMPUTE ONINV2X3      = ONINV2A3.
EXECUTE.
IF (SYSMIS(ONINV2X3) = 1) ONINV2X3 = ONINV2B3.
EXECUTE.
IF (SYSMIS(ONINV2X3) = 1) ONINV2X3 = ONINV2C3.
EXECUTE.
IF (SYSMIS(ONINV2X3) = 1) ONINV2X3 = ONINV2D3.
EXECUTE.
IF (SYSMIS(ONINV2X3) = 1) ONINV2X3 = ONINV2E3.
EXECUTE.
IF (SYSMIS(ONINV2X3) = 1) ONINV2X3 = ONINV2F3.
EXECUTE.
*.
IF (ONINV2A3 LT ONINV2X3) ONINV2X3 = ONINV2A3.
IF (ONINV2B3 LT ONINV2X3) ONINV2X3 = ONINV2B3.
IF (ONINV2C3 LT ONINV2X3) ONINV2X3 = ONINV2C3.
IF (ONINV2D3 LT ONINV2X3) ONINV2X3 = ONINV2D3.
IF (ONINV2E3 LT ONINV2X3) ONINV2X3 = ONINV2E3.
IF (ONINV2F3 LT ONINV2X3) ONINV2X3 = ONINV2F3.
EXECUTE.
DESCRIPTIVES VAR ONINV2A3 ONINV2B3 ONINV2C3 ONINV2D3 ONINV2E3 ONINV2F3
ONINV2X3.
*.
* INITIAL INVESTMENT, OWNER # 4.
*.
COMPUTE ONINV2X4      = ONINV2A4.
EXECUTE.
IF (SYSMIS(ONINV2X4) = 1) ONINV2X4 = ONINV2B4.
EXECUTE.

```

IF (SYSMIS(ONINV2X4) = 1) ONINV2X4 = ONINV2C4.
EXECUTE.

IF (SYSMIS(ONINV2X4) = 1) ONINV2X4 = ONINV2D4.
EXECUTE.

IF (SYSMIS(ONINV2X4) = 1) ONINV2X4 = ONINV2E4.
EXECUTE.

IF (SYSMIS(ONINV2X4) = 1) ONINV2X4 = ONINV2F4.
EXECUTE.

*.

IF (ONINV2A4 LT ONINV2X4) ONINV2X4 = ONINV2A4.

IF (ONINV2B4 LT ONINV2X4) ONINV2X4 = ONINV2B4.

IF (ONINV2C4 LT ONINV2X4) ONINV2X4 = ONINV2C4.

IF (ONINV2D4 LT ONINV2X4) ONINV2X4 = ONINV2D4.

IF (ONINV2E4 LT ONINV2X4) ONINV2X4 = ONINV2E4.

IF (ONINV2F4 LT ONINV2X4) ONINV2X4 = ONINV2F4.

EXECUTE.

DESCRIPTIVES VAR ONINV2A4 ONINV2B4 ONINV2C4 ONINV2D4 ONINV2E4 ONINV2F4
ONINV2X4.

*.

* INITIAL INVESTMENT, OWNER # 5.

*.

COMPUTE ONINV2X5 = ONINV2A5.

EXECUTE.

IF (SYSMIS(ONINV2X5) = 1) ONINV2X5 = ONINV2B5.

EXECUTE.

IF (SYSMIS(ONINV2X5) = 1) ONINV2X5 = ONINV2C5.

EXECUTE.

IF (SYSMIS(ONINV2X5) = 1) ONINV2X5 = ONINV2D5.

EXECUTE.

IF (SYSMIS(ONINV2X5) = 1) ONINV2X5 = ONINV2E5.

EXECUTE.

IF (SYSMIS(ONINV2X5) = 1) ONINV2X5 = ONINV2F5.

EXECUTE.

*.

IF (ONINV2A5 LT ONINV2X5) ONINV2X5 = ONINV2A5.

IF (ONINV2B5 LT ONINV2X5) ONINV2X5 = ONINV2B5.

IF (ONINV2C5 LT ONINV2X5) ONINV2X5 = ONINV2C5.

IF (ONINV2D5 LT ONINV2X5) ONINV2X5 = ONINV2D5.

IF (ONINV2E5 LT ONINV2X5) ONINV2X5 = ONINV2E5.

IF (ONINV2F5 LT ONINV2X5) ONINV2X5 = ONINV2F5.

EXECUTE.

DESCRIPTIVES VAR ONINV2A5 ONINV2B5 ONINV2C5 ONINV2D5 ONINV2E5 ONINV2F5
ONINV2X5.

*.

* INITIAL FINANCIAL SUPPORT.

*.

COMPUTE FINSPT2X = FINSPT2A.

EXECUTE.

IF (SYSMIS(FINSPT2X) = 1) FINSPT2X = FINSPT2B.

EXECUTE.

IF (SYSMIS(FINSPT2X) = 1) FINSPT2X = FINSPT2C.

EXECUTE.

IF (SYSMIS(FINSPT2X) = 1) FINSPT2X = FINSPT2D.

EXECUTE.

IF (SYSMIS(FINSPT2X) = 1) FINSPT2X = FINSPT2E.
EXECUTE.

IF (SYSMIS(FINSPT2X) = 1) FINSPT2X = FINSPT2F.
EXECUTE.

*.

IF (FINSPT2A LT FINSPT2X) FINSPT2X = FINSPT2A.

IF (FINSPT2B LT FINSPT2X) FINSPT2X = FINSPT2B.

IF (FINSPT2C LT FINSPT2X) FINSPT2X = FINSPT2C.

IF (FINSPT2D LT FINSPT2X) FINSPT2X = FINSPT2D.

IF (FINSPT2E LT FINSPT2X) FINSPT2X = FINSPT2E.

IF (FINSPT2F LT FINSPT2X) FINSPT2X = FINSPT2F.

EXECUTE.

DESCRIPTIVES VAR FINSPT2A FINSPT2B FINSPT2C FINSPT2D FINSPT2E FINSPT2F
FINSPT2X.

*.

*.

VARIABLE LABELS

THINK_2X 'PSEDII 1ST DATE:INITIAL SERIOUS THOUGHT'/
SPACE_2X 'PSEDII 1ST DATE:FIRST USE PHYSICAL SPACE'/
LEGAL_2X 'PSEDII 1ST DATE:LEGAL FORM REGISTERED'/
LIABIS2X 'PSEDII 1ST DATE:LIABILITY INSURANCE BOUGHT'/
BUSPLN2X 'PSEDII 1ST DATE:BUSINESS PLAN INITIATED'/
BSPLFI2X 'PSEDII 1ST DATE:BUSINESS PLAN COMPLETED'/
MODEL_2X 'PSEDII 1ST DATE:MODEL,PROTOTPE INITIATED'/
PRDCPL2X 'PSEDII 1ST DATE:MODEL,PROTOTPE COMPLETED'/
PROMOT2X 'PSEDII 1ST DATE:PROMOT 4 PROD/SERV INITIATED'/
PRTECH2X 'PSEDII 1ST DATE:PROPRIET TECH FULLY DEVELOP'/
PATENT2X 'PSEDII 1ST DATE:PATENT,TRADE,COPY INITIATED'/
GOTPNT2X 'PSEDII 1ST DATE:PATENT,TRADE,COPY OBTAINED'/
LEASE_2X 'PSEDII 1ST DATE:PURC,LEASED CAPITAL ASSET'/
PURCHA2X 'PSEDII 1ST DATE:PURC,MATERIAL,SUPPL,INVENT'/
TLKCST2X 'PSEDII 1ST DATE:BEGAN TO TALK TO CUSTOMERS'/
IFOCPT2X 'PSEDII 1ST DATE:BEGAN COLLECT COMPETIR INFO'/
DFNMKT2X 'PSEDII 1ST DATE:DEFINING MARKETS INITIATED'/
FINPRJ2X 'PSEDII 1ST DATE:FINANCIAL PROJECT INITIATED'/
FNDREG2X 'PSEDII 1ST DATE:DETERMINED REGULAT REQUIRE'/
ASKFND2X 'PSEDII 1ST DATE:FIRST ASKED FOR FUNDING'/
GETFND2X 'PSEDII 1ST DATE:GOT FIRST FUNDING'/
SUPCRD2X 'PSEDII 1ST DATE:SUPPLIER CREDIT ESTABLISHED'/
HIRE__2X 'PSEDII 1ST DATE:FIRST PERSON HIRED'/
BKACCT2X 'PSEDII 1ST DATE:OPENED BANK ACCT FOR BUSINESS'/
SALES_2X 'PSEDII 1ST DATE:FIRST INCOME RECEIVED'/
CSHFL_2X 'PSEDII 1ST DATE:FIRST MTHLY POSIT CASH FLOW'/
HRACCT2X 'PSEDII 1ST DATE:HIRED ACCOUNTANT'/
HRLAWR2X 'PSEDII 1ST DATE:HIRED LAWYER'/
TDASOC2X 'PSEDII 1ST DATE:JOINED TRADE ASSOCIATION'/
PHLIST2X 'PSEDII 1ST DATE:GOT INTERNET/PHONE LISTING'/
EIN__2X 'PSEDII 1ST DATE:FILED FOR FEDERAL EIN NUMBER'/
DBA__2X 'PSEDII 1ST DATE:FILED FICTICIOUS (DBA) NAME'/
UNEMP_2X 'PSEDII 1ST DATE:FIRST STATE UNEMPLOYMENT INS'/
FICA__2X 'PSEDII 1ST DATE:FIRST FEDERAL FICA PAYMENT'/
FEDTAX2X 'PSEDII 1ST DATE:FIRST FEDERAL INCOME TAX'/
DANDB_2X 'PSEDII 1ST DATE:KNOW LISTED IN D&B'/
EQTAG2X1 'PSEDII 1ST DATE:SIGNED AGREE:OWN #1'/

EQTAG2X2 'PSEDII 1ST DATE:SIGNED AGREE:OWN #2'/
EQTAG2X3 'PSEDII 1ST DATE:SIGNED AGREE:OWN #3'/
EQTAG2X4 'PSEDII 1ST DATE:SIGNED AGREE:OWN #4'/
EQTAG2X5 'PSEDII 1ST DATE:SIGNED AGREE:OWN #5'/
INVOL2X2 'PSEDII 1ST DATE:BECAME INVOLVED:OWN#2'/
INVOL2X3 'PSEDII 1ST DATE:BECAME INVOLVED:OWN#3'/
INVOL2X4 'PSEDII 1ST DATE:BECAME INVOLVED:OWN#4'/
INVOL2X5 'PSEDII 1ST DATE:BECAME INVOLVED:OWN#5'/
FTWK_2X1 'PSEDII 1ST DATE:FULL TIME INVOLVED:OWN#1'/
FTWK_2X2 'PSEDII 1ST DATE:FULL TIME INVOLVED:OWN#2'/
FTWK_2X3 'PSEDII 1ST DATE:FULL TIME INVOLVED:OWN#3'/
FTWK_2X4 'PSEDII 1ST DATE:FULL TIME INVOLVED:OWN#4'/
FTWK_2X5 'PSEDII 1ST DATE:FULL TIME INVOLVED:OWN#5'/
LEINV2X2 'PSEDII 1ST DATE:BECAME INVOLVED:LEGAL#2'/
LEINV2X3 'PSEDII 1ST DATE:BECAME INVOLVED:LEGAL#3'/
LEINV2X4 'PSEDII 1ST DATE:BECAME INVOLVED:LEGAL#4'/
LEINV2X5 'PSEDII 1ST DATE:BECAME INVOLVED:LEGAL#5'/
KEYFT2X1 'PSEDII 1ST DATE:FULL TIME WK:KEY NONOWN#1'/
KEYFT2X2 'PSEDII 1ST DATE:FULL TIME WK:KEY NONOWN#2'/
KEYFT2X3 'PSEDII 1ST DATE:FULL TIME WK:KEY NONOWN#3'/
HLPFT2X1 'PSEDII 1ST DATE:FULL TIME WK:HELPER #1'/
HLPFT2X2 'PSEDII 1ST DATE:FULL TIME WK:HELPER #2'/
HLPFT2X3 'PSEDII 1ST DATE:FULL TIME WK:HELPER #3'/
ONINV2X1 'PSEDII 1ST DATE:1ST INFORMAL INVEST:OWNER#1'/
ONINV2X2 'PSEDII 1ST DATE:1ST INFORMAL INVEST:OWNER#2'/
ONINV2X3 'PSEDII 1ST DATE:1ST INFORMAL INVEST:OWNER#3'/
ONINV2X4 'PSEDII 1ST DATE:1ST INFORMAL INVEST:OWNER#4'/
ONINV2X5 'PSEDII 1ST DATE:1ST INFORMAL INVEST:OWNER#5'/
FINSPT2X 'PSEDII 1ST DATE:1ST LEGAL BUSS DEBT/EQUITY INV'.

*.

EXECUTE.

*.

DESCRIPTIVES VAR THINK_2X TO FINSPT2X.

*.

DESCRIPTIVES VAR = SAMPID.

SORT CASES BY SAMPID (A).

*.

SAVE OUTFILE= 'C:\PSED_II\WAVE_F\SPSS_SAV\ACTS_F02.SAV'.

EXPORT OUTFILE= 'C:\PSED_II\WAVE_F\SPSS_OUT\ACTS_F02.POR'.

*.

WEIGHT OFF.

FREQ VAR FNDREG2X FEDTAX2X/STAT ALL/ORDER VARIABLES.

FINISH.

EXIT.

TITLE 'C:\PSED_II\WAVE_D\SPSS_PRO\ACTS_F03.SPS'.
SUBTITLE 'DEFINE PSED II START-UP ACT SEQUENCE, DATES'.

*.
*.
* SPSS 15 SYNTAX REVISED FROM SPSS PC SYNTAX.
*.
*=====

SET HEADER = YES
/ERRORS = LISTING
/RESULTS = LISTING
/PRINTBACK = LISTING
/MESSAGES = LISTING
/ONUMBERS = BOTH
/OVARS = BOTH
/TNUMBERS = BOTH
/TVARS = BOTH
/TFIT = LABELS.

*.
SHOW.
*.
* SPSS-PC COMMAND STATEMENTS.
*.
*=====

*.
* 19 July 2011 - USING DATA FROM WAVES A,B, C, D, E, AND F.
*.
* USE STANDARDIZED PROCEDURE FOR PSED II START-UP ACTS .
* TO CREATE A CONCEPTION DATE .
*.
* ORIGINAL PROCEDURE CONVERT ALL VARIABLE NAMES TO PSED I NAMES.
* TO USE PREVIOUS SYNTAX FILES.
*.
* REVISED TO USE PSED II VARIABLE NAMES.
*.
*=====

*.
* GET SCREENING DATA ON POSITIVE MONTHLY CASH FLOW.
*.
*=====

GET FILE= 'C:\PSED_II\WAVE_F\SPSS_SAV\ACTS_F02.SAV'.

*.
RENAME VARIABLES (QFF4 QFF5 QFF6
=
BUSINCOM POSCSFL1 POSCSFL2).

*.
ADD VALUE LABELS BUSINCOM POSCSFL1 POSCSFL2
1 'YES'
2 'NO'.

*.
VARIABLE LABELS
BUSINCOM 'SCREENING: INCOME REPORTED/'
POSCSFL1 'SCREENING: MTHLY INCOME.MTHLY EXPENSES/'

```

        POSCSFL2      'SCREENING: SALARY INCLUDED IN MTHLY EXPENSES'.
*.
FREQUENCIES VAR = BUSINCOM POSCSFL1 POSCSFL2/ORDER VARIABLES.
*.
=====
*.
*   COMPUTE POSITIVE CASH FLOW LAG TO SCREEN, WAVE A.
*.
=====
*.
COMPUTE CSH_SLAG = ((IWDATE_S - CSHFL_2X)/30.4375).
COMPUTE CSH_ALAG = ((IWDATE_A - CSHFL_2X)/30.4375).
COMPUTE CSH_BLAG = ((IWDATE_B - CSHFL_2X)/30.4375).
COMPUTE CSH_CLAG = ((IWDATE_C - CSHFL_2X)/30.4375).
COMPUTE CSH_DLAG = ((IWDATE_D - CSHFL_2X)/30.4375).
VARIABLE LABELS
    CSH_SLAG      'LAG (MTHS):POS MTH CASH FLOW-SCREEN IW/'
    CSH_ALAG      'LAG (MTHS):POS MTH CASH FLOW-WAVE A IW/'
    CSH_BLAG      'LAG (MTHS):POS MTH CASH FLOW-WAVE B IW/'
    CSH_CLAG      'LAG (MTHS):POS MTH CASH FLOW-WAVE C IW/'
    CSH_DLAG      'LAG (MTHS):POS MTH CASH FLOW-WAVE D IW'.
*.
*.
FREQUENCIES VAR CSH_ALAG CSH_SLAG/ORDER VARIABLES/STAT ALL.
DESCRIPTIVES VAR = CSH_SLAG CSH_ALAG CSH_BLAG CSH_CLAG CSH_DLAG.
*.
EXECUTE.
*.
DESCRIPTIVES VAR =
    THINK_2X      BUSPLN2X      MODEL_2X      PROMOT2X
    PATENT2X      PURCHA2X      LEASE_2X      DFNMKT2X
    FINPRJ2X      ONINV2X1      ASKFND2X      SUPCRD2X
    FTWK_2X1
    HIRE_2X       BKACCT2X      SALES_2X      CSHFL_2X
    PHLIST2X      UNEMP_2X      FICA_2X      FEDTAX2X
    DANDB_2X      SPACE_2X      LEGAL_2X      LIABIS2X
    PRTECH2X      TLKCST2X      IFOCPT2X      FNDREG2X
    GETFND2X      HRACCT2X      HRLAWR2X      TDASOC2X
    EIN__2X       DBA__2X       EQTAG2X1.
*.
FREQ VAR CSH_ILAG/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.
*.
*.
=====
*.
*   LOCATE DATE OF INITIAL BEHAVIOR.
*   IDENTIFY SEQUENCE OF DATES OF INITIAL START-UP ACTS.
*.
=====
*.
COMPUTE      SUACT_1 = 999999.
VARIABLE LABEL
    SUACT_1      'INITIAL ACT IN START-UP SEQUENCE'.
*.

```



```

=====
*.
IF (BUSPLN2X LT SUACT_1) SUACT_1 = BUSPLN2X.
IF (MODEL_2X LT SUACT_1) SUACT_1 = MODEL_2X.
IF (PROMOT2X LT SUACT_1) SUACT_1 = PROMOT2X.
IF (PATENT2X LT SUACT_1) SUACT_1 = PATENT2X.
IF (PURCHA2X LT SUACT_1) SUACT_1 = PURCHA2X.
*.
IF (LEASE_2X LT SUACT_1) SUACT_1 = LEASE_2X.
IF (DFNMKT2X LT SUACT_1) SUACT_1 = DFNMKT2X.
IF (FINPRJ2X LT SUACT_1) SUACT_1 = FINPRJ2X.
IF (ONINV2X1 LT SUACT_1) SUACT_1 = ONINV2X1.
IF (ASKFND2X LT SUACT_1) SUACT_1 = ASKFND2X.
*.
IF (SUPCRD2X LT SUACT_1) SUACT_1 = SUPCRD2X.
IF (FTWK_2X1 LT SUACT_1) SUACT_1 = FTWK_2X1.
IF (HIRE__2X LT SUACT_1) SUACT_1 = HIRE__2X.
IF (BKACCT2X LT SUACT_1) SUACT_1 = BKACCT2X.
IF (SALES_2X LT SUACT_1) SUACT_1 = SALES_2X.
*.
IF (CSHFL_2X LT SUACT_1) SUACT_1 = CSHFL_2X.
IF (PHLIST2X LT SUACT_1) SUACT_1 = PHLIST2X.
IF (UNEMP_2X LT SUACT_1) SUACT_1 = UNEMP_2X.
IF (FICA__2X LT SUACT_1) SUACT_1 = FICA__2X.
IF (FEDTAX2X LT SUACT_1) SUACT_1 = FEDTAX2X.
*.
IF (DANDB_2X LT SUACT_1) SUACT_1 = DANDB_2X.
IF (SPACE_2X LT SUACT_1) SUACT_1 = SPACE_2X.
IF (LEGAL_2X LT SUACT_1) SUACT_1 = LEGAL_2X.
IF (LIABIS2X LT SUACT_1) SUACT_1 = LIABIS2X.
IF (PRTECH2X LT SUACT_1) SUACT_1 = PRTECH2X.
*.
IF (TLKCST2X LT SUACT_1) SUACT_1 = TLKCST2X.
IF (IFOCPT2X LT SUACT_1) SUACT_1 = IFOCPT2X.
IF (FNDREG2X LT SUACT_1) SUACT_1 = FNDREG2X.
IF (GETFND2X LT SUACT_1) SUACT_1 = GETFND2X.
IF (HRACCT2X LT SUACT_1) SUACT_1 = HRACCT2X.
*.
IF (HRLAWR2X LT SUACT_1) SUACT_1 = HRLAWR2X.
IF (TDASOC2X LT SUACT_1) SUACT_1 = TDASOC2X.
IF (EIN__2X LT SUACT_1) SUACT_1 = EIN__2X.
IF (DBA__2X LT SUACT_1) SUACT_1 = DBA__2X.
IF (EQTAG2X1 LT SUACT_1) SUACT_1 = EQTAG2X1.
*.
IF (FINSPT2X LT SUACT_1) SUACT_1 = FINSPT2X.
*.
EXECUTE.
*.
DESCRIPTIVES VAR SUACT_1.
*.
TEMPORARY.
SELECT IF (SUACT_1 = 999999).
*.
LIST SAMPID SUACT_1 THINK_2X.

```

MISSING VALUES SUACT_1 (999999).

*.

FREQ VAR SUACT_1/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.

*.

EXECUTE.

*.

*=====.

*.

* IDENTIFY ACTS FIRST IN SEQUENCE.

*.

*=====.

*.

STRING ACTSU_11 (A6).

STRING ACTSU_12 (A6).

STRING ACTSU_13 (A6).

STRING ACTSU_14 (A6).

VARIABLE LABEL

ACTSU_11 '1ST SU ACT IN SEQUENCE:NO 1/'

ACTSU_12 '1ST SU ACT IN SEQUENCE:NO 2/'

ACTSU_13 '1ST SU ACT IN SEQUENCE:NO 3/'

ACTSU_14 '1ST SU ACT IN SEQUENCE:NO 4'.

*.

VALUE LABELS ACTSU_11 ACTSU_12 ACTSU_13 ACTSU_14

'THINK_' 'SERIOUS THOUGHT'

'SPACE_' 'USE PHYSICAL SPACE'

'LEGAL_' 'LEGAL FORM REGIST'

'LIABIS' 'GOT LIAB INS'

'BUSPLN' 'BUSS PLAN INITIATED'

'MODEL_' 'MODEL INITIATED'

'PROMOT' 'PROMOT 4 PROD/SERV'

'PRTECH' 'DEVELOP PROPRIET TECH'

'PATENT' 'IPR'S INITIATED'

'LEASE_' 'PURC,LEASED CAPITAL ASSET'

'PURCHA' 'PURC,MATERIAL,SUPPL,INVENT'

'TLKCST' 'TALK TO CUSTOMERS'

'FOCPT' 'COLLECT COMPETIR INFO'

'DFNMKT' 'DEFINING MARKETS'

'FINPRJ' 'FINANCIAL PROJ'S'

'FNDREG' 'REGULAT REQUIREMENTS'

'ASKFND' 'ASKED 4 FUNDING'

'GETFND' 'GOT FUNDING'

'SUPCRD' 'SUPPLIER CREDIT'

'HIRE__' 'PERSON HIRED'

'BKACCT' 'BUSS BANK ACCT'

'SALES_' 'INCOME RECEIVED'

'CSHFL_' 'MTHLY POSIT CASH FLOW'

'HRACCT' 'HIRED ACCOUNTANT'

'HRLAWR' 'HIRED LAWYER'

'TDASOC' 'TRADE ASSOC MBR'

'PHLIST' 'INTERNET/PHONE LIST'

'EIN__' 'FEDERAL EIN NUMBER'

'DBA__' 'FICTICIOUS (DBA) NAME'

'UNEMP_' 'ST UNEMPLOY INS'

'FICA__' 'FED FICA PAYMENT'

'FEDTAX' 'FED INCOME TAX'
'DANDB_' 'KNOW D&B LIST'
'ONINV1' 'OWN #1 INVESTED'
'EQTAG1' 'SIGN AGREE:OWN #1'
'FTWK_1' 'FT INVOL OWN#1'
'FINSPT' 'FINANCIAL SUPPORT'.

*.
COMPUTE ACTSU_11 = '111111'.
COMPUTE ACTSU_12 = '222222'.
COMPUTE ACTSU_13 = '333333'.
COMPUTE ACTSU_14 = '444444'.

*.
* IDENTIFY FIRST START-UP ACT.

*.
IF ((ACTSU_11='111111')&(SUACT_1 = BUSPLN2X)) ACTSU_11 = 'BUSPLN'.
IF ((ACTSU_11='111111')&(SUACT_1 = MODEL_2X)) ACTSU_11 = 'MODEL_'.
IF ((ACTSU_11='111111')&(SUACT_1 = PROMOT2X)) ACTSU_11 = 'PROMOT'.
IF ((ACTSU_11='111111')&(SUACT_1 = PATENT2X)) ACTSU_11 = 'PATENT'.
IF ((ACTSU_11='111111')&(SUACT_1 = PURCHA2X)) ACTSU_11 = 'PURCHA'.
*.
IF ((ACTSU_11='111111')&(SUACT_1 = LEASE_2X)) ACTSU_11 = 'LEASE_'.
IF ((ACTSU_11='111111')&(SUACT_1 = DFNMKT2X)) ACTSU_11 = 'DFNMKT'.
IF ((ACTSU_11='111111')&(SUACT_1 = FINPRJ2X)) ACTSU_11 = 'FINPRJ'.
IF ((ACTSU_11='111111')&(SUACT_1 = ONINV2X1)) ACTSU_11 = 'ONINV1'.
IF ((ACTSU_11='111111')&(SUACT_1 = ASKFND2X)) ACTSU_11 = 'ASKFND'.
*.
IF ((ACTSU_11='111111')&(SUACT_1 = SUPCRD2X)) ACTSU_11 = 'SUPCRD'.
IF ((ACTSU_11='111111')&(SUACT_1 = FTWK_2X1)) ACTSU_11 = 'FTWK_1'.
IF ((ACTSU_11='111111')&(SUACT_1 = HIRE__2X)) ACTSU_11 = 'HIRE_'.
IF ((ACTSU_11='111111')&(SUACT_1 = BKACCT2X)) ACTSU_11 = 'BKACCT'.
IF ((ACTSU_11='111111')&(SUACT_1 = SALES_2X)) ACTSU_11 = 'SALES_'.
*.
IF ((ACTSU_11='111111')&(SUACT_1 = CSHFL_2X)) ACTSU_11 = 'CSHFL_'.
IF ((ACTSU_11='111111')&(SUACT_1 = PHLIST2X)) ACTSU_11 = 'PHLIST'.
IF ((ACTSU_11='111111')&(SUACT_1 = UNEMP_2X)) ACTSU_11 = 'UNEMP_'.
IF ((ACTSU_11='111111')&(SUACT_1 = FICA__2X)) ACTSU_11 = 'FICA_'.
IF ((ACTSU_11='111111')&(SUACT_1 = FEDTAX2X)) ACTSU_11 = 'FEDTAX'.
*.
IF ((ACTSU_11='111111')&(SUACT_1 = DANDB_2X)) ACTSU_11 = 'DANDB_'.
IF ((ACTSU_11='111111')&(SUACT_1 = SPACE_2X)) ACTSU_11 = 'SPACE_'.
IF ((ACTSU_11='111111')&(SUACT_1 = LEGAL_2X)) ACTSU_11 = 'LEGAL_'.
IF ((ACTSU_11='111111')&(SUACT_1 = LIABIS2X)) ACTSU_11 = 'LIABIS'.
IF ((ACTSU_11='111111')&(SUACT_1 = PRTECH2X)) ACTSU_11 = 'PRTECH'.
*.
IF ((ACTSU_11='111111')&(SUACT_1 = TLKCST2X)) ACTSU_11 = 'TLKCST'.
IF ((ACTSU_11='111111')&(SUACT_1 = IFOCPT2X)) ACTSU_11 = 'IFOCPT'.
IF ((ACTSU_11='111111')&(SUACT_1 = FNDREG2X)) ACTSU_11 = 'FNDREG'.
IF ((ACTSU_11='111111')&(SUACT_1 = GETFND2X)) ACTSU_11 = 'GETFND'.
IF ((ACTSU_11='111111')&(SUACT_1 = HRACCT2X)) ACTSU_11 = 'HRACCT'.
*.
IF ((ACTSU_11='111111')&(SUACT_1 = HRLAWR2X)) ACTSU_11 = 'HRLAWR'.
IF ((ACTSU_11='111111')&(SUACT_1 = TDASOC2X)) ACTSU_11 = 'TDASOC'.
IF ((ACTSU_11='111111')&(SUACT_1 = EIN__2X)) ACTSU_11 = 'EIN__'.
IF ((ACTSU_11='111111')&(SUACT_1 = DBA__2X)) ACTSU_11 = 'DBA__'.

```

IF ((ACTSU_11='111111')&(SUACT_1 = EQTAG2X1)) ACTSU_11 = 'EQTAG1'.
*.
IF ((ACTSU_11='111111')&(SUACT_1 = FINSPT2X)) ACTSU_11 = 'FINSPT'.
*.
EXECUTE.
*.
*FREQ VAR ACTSU_11 ACTSU_12 ACTSU_13 ACTSU_14/FORMAT = DFREQ/STAT ALL.
EXECUTE.
*.
*.
* IDENTIFY SECOND SIMUTANEOUS START-UP ACT.
*.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'BUSPLN')&(SUACT_1 = BUSPLN2X))
  ACTSU_12 ='BUSPLN'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'MODEL_')&(SUACT_1 = MODEL_2X))
  ACTSU_12 ='MODEL_'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'PROMOT')&(SUACT_1 = PROMOT2X))
  ACTSU_12 ='PROMOT'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'PATENT')&(SUACT_1 = PATENT2X))
  ACTSU_12 ='PATENT'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'PURCHA')&(SUACT_1 = PURCHA2X))
  ACTSU_12 ='PURCHA'.
*.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'LEASE_')&(SUACT_1 = LEASE_2X))
  ACTSU_12 ='LEASE_'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'DFNMKT')&(SUACT_1 = DFNMKT2X))
  ACTSU_12 ='DFNMKT'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'FINPRJ')&(SUACT_1 = FINPRJ2X))
  ACTSU_12 ='FINPRJ'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'ONINV1')&(SUACT_1 = ONINV2X1))
  ACTSU_12 ='ONINV1'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'ASKFND')&(SUACT_1 = ASKFND2X))
  ACTSU_12 ='ASKFND'.
*.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'SUPCRD')&(SUACT_1 = SUPCRD2X))
  ACTSU_12 ='SUPCRD'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'FTWK_1')&(SUACT_1 = FTWK_2X1))
  ACTSU_12 ='FTWK_1'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'HIRE__')&(SUACT_1 = HIRE__2X))
  ACTSU_12 ='HIRE__'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'BKACCT')&(SUACT_1 = BKACCT2X))
  ACTSU_12 ='BKACCT'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'SALES_')&(SUACT_1 = SALES_2X))
  ACTSU_12 ='SALES_'.
*.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'CSHFL_')&(SUACT_1 = CSHFL_2X))
  ACTSU_12 ='CSHFL_'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'PHLIST')&(SUACT_1 = PHLIST2X))
  ACTSU_12 ='PHLIST'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'UNEMP_')&(SUACT_1 = UNEMP_2X))
  ACTSU_12 ='UNEMP_'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'FICA_')&(SUACT_1 = FICA__2X))
  ACTSU_12 ='FICA__'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'FEDTAX')&(SUACT_1 = FEDTAX2X))

```

```

ACTSU_12 ='FEDTAX'.
*.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'DANDB_')&(SUACT_1 = DANDB_2X))
  ACTSU_12 ='DANDB_'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'SPACE_')&(SUACT_1 = SPACE_2X))
  ACTSU_12 ='SPACE_'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'LEGAL_')&(SUACT_1 = LEGAL_2X))
  ACTSU_12 ='LEGAL_'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'LIABIS')&(SUACT_1 = LIABIS2X))
  ACTSU_12 ='LIABIS'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'PRTECH')&(SUACT_1 = PRTECH2X))
  ACTSU_12 ='PRTECH'.
*.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'TLKCST')&(SUACT_1 = TLKCST2X))
  ACTSU_12 ='TLKCST'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'IFOCPT')&(SUACT_1 = IFOCPT2X))
  ACTSU_12 ='IFOCPT'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'FNDREG')&(SUACT_1 = FNDREG2X))
  ACTSU_12 ='FNDREG'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'GETFND')&(SUACT_1 = GETFND2X))
  ACTSU_12 ='GETFND'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'HRACCT')&(SUACT_1 = HRACCT2X))
  ACTSU_12 ='HRACCT'.
*.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'HRLAWR')&(SUACT_1 = HRLAWR2X))
  ACTSU_12 ='HRLAWR'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'TDASOC')&(SUACT_1 = TDASOC2X))
  ACTSU_12 ='TDASOC'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'EIN___')&(SUACT_1 = EIN___2X))
  ACTSU_12 ='EIN___'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'DBA___')&(SUACT_1 = DBA___2X))
  ACTSU_12 ='DBA___'.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'EQTAG1')&(SUACT_1 = EQTAG2X1))
  ACTSU_12 ='EQTAG1'.
*.
IF ((ACTSU_12='222222')&(ACTSU_11 NE 'FINSPT')&(SUACT_1 = FINSPT2X))
  ACTSU_12 ='FINSPT'.
*.
EXECUTE.
*.
*FREQ VAR ACTSU_12 ACTSU_13 ACTSU_14/FORMAT = DFREQ/STAT ALL.
EXECUTE.
*.
* IDENTIFY THIRD SIMUTANEOUS START-UP ACT.
*.
*.
IF ((ACTSU_12 NE 'BUSPLN')&(ACTSU_11 NE 'BUSPLN')&(SUACT_1 = BUSPLN2X))
  ACTSU_13 ='BUSPLN'.
IF ((ACTSU_12 NE 'MODEL_')&(ACTSU_11 NE 'MODEL_')&(SUACT_1 = MODEL_2X))
  ACTSU_13 ='MODEL_'.
IF ((ACTSU_12 NE 'PROMOT')&(ACTSU_11 NE 'PROMOT')&(SUACT_1 = PROMOT2X))
  ACTSU_13 ='PROMOT'.
IF ((ACTSU_12 NE 'PATENT')&(ACTSU_11 NE 'PATENT')&(SUACT_1 = PATENT2X))
  ACTSU_13 ='PATENT'.

```

IF ((ACTSU_12 NE 'PURCHA')&(ACTSU_11 NE 'PURCHA')&(SUACT_1 = PURCHA2X))
 ACTSU_13 ='PURCHA'.
 *.
 IF ((ACTSU_12 NE 'LEASE_')&(ACTSU_11 NE 'LEASE_')&(SUACT_1 = LEASE_2X))
 ACTSU_13 ='LEASE_'.
 IF ((ACTSU_12 NE 'DFNMKT')&(ACTSU_11 NE 'DFNMKT')&(SUACT_1 = DFNMKT2X))
 ACTSU_13 ='DFNMKT'.
 IF ((ACTSU_12 NE 'FINPRJ')&(ACTSU_11 NE 'FINPRJ')&(SUACT_1 = FINPRJ2X))
 ACTSU_13 ='FINPRJ'.
 IF ((ACTSU_12 NE 'ONINV1')&(ACTSU_11 NE 'ONINV1')&(SUACT_1 = ONINV2X1))
 ACTSU_13 ='ONINV1'.
 IF ((ACTSU_12 NE 'ASKFND')&(ACTSU_11 NE 'ASKFND')&(SUACT_1 = ASKFND2X))
 ACTSU_13 ='ASKFND'.
 *.
 IF ((ACTSU_12 NE 'SUPCRD')&(ACTSU_11 NE 'SUPCRD')&(SUACT_1 = SUPCRD2X))
 ACTSU_13 ='SUPCRD'.
 IF ((ACTSU_12 NE 'FTWK_1')&(ACTSU_11 NE 'FTWK_1')&(SUACT_1 = FTWK_2X1))
 ACTSU_13 ='FTWK_1'.
 IF ((ACTSU_12 NE 'HIRE__')&(ACTSU_11 NE 'HIRE__')&(SUACT_1 = HIRE__2X))
 ACTSU_13 ='HIRE__'.
 IF ((ACTSU_12 NE 'BKACCT')&(ACTSU_11 NE 'BKACCT')&(SUACT_1 = BKACCT2X))
 ACTSU_13 ='BKACCT'.
 IF ((ACTSU_12 NE 'SALES_')&(ACTSU_11 NE 'SALES_')&(SUACT_1 = SALES_2X))
 ACTSU_13 ='SALES_'.
 *.
 IF ((ACTSU_12 NE 'CSHFL_')&(ACTSU_11 NE 'CSHFL_')&(SUACT_1 = CSHFL_2X))
 ACTSU_13 ='CSHFL_'.
 IF ((ACTSU_12 NE 'PHLIST')&(ACTSU_11 NE 'PHLIST')&(SUACT_1 = PHLIST2X))
 ACTSU_13 ='PHLIST'.
 IF ((ACTSU_12 NE 'UNEMP_')&(ACTSU_11 NE 'UNEMP_')&(SUACT_1 = UNEMP_2X))
 ACTSU_13 ='UNEMP_'.
 IF ((ACTSU_12 NE 'FICA__')&(ACTSU_11 NE 'FICA__')&(SUACT_1 = FICA__2X))
 ACTSU_13 ='FICA__'.
 IF ((ACTSU_12 NE 'FEDTAX')&(ACTSU_11 NE 'FEDTAX')&(SUACT_1 = FEDTAX2X))
 ACTSU_13 ='FEDTAX'.
 *.
 IF ((ACTSU_12 NE 'DANDB_')&(ACTSU_11 NE 'DANDB_')&(SUACT_1 = DANDB_2X))
 ACTSU_13 ='DANDB_'.
 IF ((ACTSU_12 NE 'SPACE_')&(ACTSU_11 NE 'SPACE_')&(SUACT_1 = SPACE_2X))
 ACTSU_13 ='SPACE_'.
 IF ((ACTSU_12 NE 'LEGAL_')&(ACTSU_11 NE 'LEGAL_')&(SUACT_1 = LEGAL_2X))
 ACTSU_13 ='LEGAL_'.
 IF ((ACTSU_12 NE 'LIABIS')&(ACTSU_11 NE 'LIABIS')&(SUACT_1 = LIABIS2X))
 ACTSU_13 ='LIABIS'.
 IF ((ACTSU_12 NE 'PRTECH')&(ACTSU_11 NE 'PRTECH')&(SUACT_1 = PRTECH2X))
 ACTSU_13 ='PRTECH'.
 *.
 IF ((ACTSU_12 NE 'TLKCST')&(ACTSU_11 NE 'TLKCST')&(SUACT_1 = TLKCST2X))
 ACTSU_13 ='TLKCST'.
 IF ((ACTSU_12 NE 'IFOCPT')&(ACTSU_11 NE 'IFOCPT')&(SUACT_1 = IFOCPT2X))
 ACTSU_13 ='IFOCPT'.
 IF ((ACTSU_12 NE 'FNDREG')&(ACTSU_11 NE 'FNDREG')&(SUACT_1 = FNDREG2X))
 ACTSU_13 ='FNDREG'.
 IF ((ACTSU_12 NE 'GETFND')&(ACTSU_11 NE 'GETFND')&(SUACT_1 = GETFND2X))

```

ACTSU_13 ='GETFND'.
IF ((ACTSU_12 NE 'HRACCT')&(ACTSU_11 NE 'HRACCT')&(SUACT_1 = HRACCT2X))
  ACTSU_13 ='HRACCT'.
*.
IF ((ACTSU_12 NE 'HRLAWR')&(ACTSU_11 NE 'HRLAWR')&(SUACT_1 = HRLAWR2X))
  ACTSU_13 ='HRLAWR'.
IF ((ACTSU_12 NE 'TDASOC')&(ACTSU_11 NE 'TDASOC')&(SUACT_1 = TDASOC2X))
  ACTSU_13 ='TDASOC'.
IF ((ACTSU_12 NE 'EIN___')&(ACTSU_11 NE 'EIN___')&(SUACT_1 = EIN___2X))
  ACTSU_13 ='EIN___'.
IF ((ACTSU_12 NE 'DBA___')&(ACTSU_11 NE 'DBA___')&(SUACT_1 = DBA___2X))
  ACTSU_13 ='DBA___'.
IF ((ACTSU_12 NE 'EQTAG1')&(ACTSU_11 NE 'EQTAG1')&(SUACT_1 = EQTAG2X1))
  ACTSU_13 ='EQTAG1'.
*.
IF ((ACTSU_12 NE 'FINSPT')&(ACTSU_11 NE 'FINSPT')&(SUACT_1 = FINSPT2X))
  ACTSU_13 ='FINSPT'.
*.
EXECUTE.
*FREQ VAR ACTSU_13/FORMAT = DFREQ/STAT ALL.
EXECUTE.
*.
*   IDENTIFY FOURTH SIMUTANEOUS START-UP ACT.
*.
IF ((ACTSU_13 NE 'BUSPLN')&(ACTSU_12 NE 'BUSPLN')&(ACTSU_11 NE 'BUSPLN')
  &(SUACT_1 = BUSPLN2X)) ACTSU_14 ='BUSPLN'.
IF ((ACTSU_13 NE 'MODEL_')&(ACTSU_12 NE 'MODEL_')&(ACTSU_11 NE 'MODEL_')
  &(SUACT_1 = MODEL_2X)) ACTSU_14 ='MODEL_'.
IF ((ACTSU_13 NE 'PROMOT')&(ACTSU_12 NE 'PROMOT')&(ACTSU_11 NE 'PROMOT')
  &(SUACT_1 = PROMOT2X)) ACTSU_14 ='PROMOT'.
IF ((ACTSU_13 NE 'PATENT')&(ACTSU_12 NE 'PATENT')&(ACTSU_11 NE 'PATENT')
  &(SUACT_1 = PATENT2X)) ACTSU_14 ='PATENT'.
IF ((ACTSU_13 NE 'PURCHA')&(ACTSU_12 NE 'PURCHA')&(ACTSU_11 NE 'PURCHA')
  &(SUACT_1 = PURCHA2X)) ACTSU_14 ='PURCHA'.
*.
IF ((ACTSU_13 NE 'LEASE_')&(ACTSU_12 NE 'LEASE_')&(ACTSU_11 NE 'LEASE_')
  &(SUACT_1 = LEASE_2X)) ACTSU_14 ='LEASE_'.
IF ((ACTSU_13 NE 'DFNMKT')&(ACTSU_12 NE 'DFNMKT')&(ACTSU_11 NE 'DFNMKT')
  &(SUACT_1 = DFNMKT2X)) ACTSU_14 ='DFNMKT'.
IF ((ACTSU_13 NE 'FINPRJ')&(ACTSU_12 NE 'FINPRJ')&(ACTSU_11 NE 'FINPRJ')
  &(SUACT_1 = FINPRJ2X)) ACTSU_14 ='FINPRJ'.
IF ((ACTSU_13 NE 'ONINV1')&(ACTSU_12 NE 'ONINV1')&(ACTSU_11 NE 'ONINV1')
  &(SUACT_1 = ONINV2X1)) ACTSU_14 ='ONINV1'.
IF ((ACTSU_13 NE 'ASKFND')&(ACTSU_12 NE 'ASKFND')&(ACTSU_11 NE 'ASKFND')
  &(SUACT_1 = ASKFND2X)) ACTSU_14 ='ASKFND'.
*.
IF ((ACTSU_13 NE 'SUPCRD')&(ACTSU_12 NE 'SUPCRD')&(ACTSU_11 NE 'SUPCRD')
  &(SUACT_1 = SUPCRD2X)) ACTSU_14 ='SUPCRD'.
IF ((ACTSU_13 NE 'FTWK_1')&(ACTSU_12 NE 'FTWK_1')&(ACTSU_11 NE 'FTWK_1')
  &(SUACT_1 = FTWK_2X1)) ACTSU_14 ='FTWK_1'.
IF ((ACTSU_13 NE 'HIRE__')&(ACTSU_12 NE 'HIRE__')&(ACTSU_11 NE 'HIRE__')
  &(SUACT_1 = HIRE__2X)) ACTSU_14 ='HIRE__'.
IF ((ACTSU_13 NE 'BKACCT')&(ACTSU_12 NE 'BKACCT')&(ACTSU_11 NE 'BKACCT')
  &(SUACT_1 = BKACCT2X)) ACTSU_14 ='BKACCT'.

```

```

IF ((ACTSU_13 NE 'SALES_')&(ACTSU_12 NE 'SALES_')&(ACTSU_11 NE 'SALES_')
    &(SUACT_1 = SALES_2X)) ACTSU_14 ='SALES_'.
*.
IF ((ACTSU_13 NE 'CSHFL_')&(ACTSU_12 NE 'CSHFL_')&(ACTSU_11 NE 'CSHFL_')
    &(SUACT_1 = CSHFL_2X)) ACTSU_14 ='CSHFL_'.
IF ((ACTSU_13 NE 'PHLIST')&(ACTSU_12 NE 'PHLIST')&(ACTSU_11 NE 'PHLIST')
    &(SUACT_1 = PHLIST2X)) ACTSU_14 ='PHLIST'.
IF ((ACTSU_13 NE 'UNEMP_')&(ACTSU_12 NE 'UNEMP_')&(ACTSU_11 NE 'UNEMP_')
    &(SUACT_1 = UNEMP_2X)) ACTSU_14 ='UNEMP_'.
IF ((ACTSU_13 NE 'FICA__')&(ACTSU_12 NE 'FICA__')&(ACTSU_11 NE 'FICA__')
    &(SUACT_1 = FICA__2X)) ACTSU_14 ='FICA__'.
IF ((ACTSU_13 NE 'FEDTAX')&(ACTSU_12 NE 'FEDTAX')&(ACTSU_11 NE 'FEDTAX')
    &(SUACT_1 = FEDTAX2X)) ACTSU_14 ='FEDTAX'.
*.
IF ((ACTSU_13 NE 'DANDB_')&(ACTSU_12 NE 'DANDB_')&(ACTSU_11 NE 'DANDB_')
    &(SUACT_1 = DANDB_2X)) ACTSU_14 ='DANDB_'.
IF ((ACTSU_13 NE 'SPACE_')&(ACTSU_12 NE 'SPACE_')&(ACTSU_11 NE 'SPACE_')
    &(SUACT_1 = SPACE_2X)) ACTSU_14 ='SPACE_'.
IF ((ACTSU_13 NE 'LEGAL_')&(ACTSU_12 NE 'LEGAL_')&(ACTSU_11 NE 'LEGAL_')
    &(SUACT_1 = LEGAL_2X)) ACTSU_14 ='LEGAL_'.
IF ((ACTSU_13 NE 'LIABIS')&(ACTSU_12 NE 'LIABIS')&(ACTSU_11 NE 'LIABIS')
    &(SUACT_1 = LIABIS2X)) ACTSU_14 ='LIABIS'.
IF ((ACTSU_13 NE 'PRTECH')&(ACTSU_12 NE 'PRTECH')&(ACTSU_11 NE 'PRTECH')
    &(SUACT_1 = PRTECH2X)) ACTSU_14 ='PRTECH'.
*.
IF ((ACTSU_13 NE 'TLKCST')&(ACTSU_12 NE 'TLKCST')&(ACTSU_11 NE 'TLKCST')
    &(SUACT_1 = TLKCST2X)) ACTSU_14 ='TLKCST'.
IF ((ACTSU_13 NE 'IFOCPT')&(ACTSU_12 NE 'IFOCPT')&(ACTSU_11 NE 'IFOCPT')
    &(SUACT_1 = IFOCPT2X)) ACTSU_14 ='IFOCPT'.
IF ((ACTSU_13 NE 'FNDREG')&(ACTSU_12 NE 'FNDREG')&(ACTSU_11 NE 'FNDREG')
    &(SUACT_1 = FNDREG2X)) ACTSU_14 ='FNDREG'.
IF ((ACTSU_13 NE 'GETFND')&(ACTSU_12 NE 'GETFND')&(ACTSU_11 NE 'GETFND')
    &(SUACT_1 = GETFND2X)) ACTSU_14 ='GETFND'.
IF ((ACTSU_13 NE 'HRACCT')&(ACTSU_12 NE 'HRACCT')&(ACTSU_11 NE 'HRACCT')
    &(SUACT_1 = HRACCT2X)) ACTSU_14 ='HRACCT'.
*.
IF ((ACTSU_13 NE 'HRLAWR')&(ACTSU_12 NE 'HRLAWR')&(ACTSU_11 NE 'HRLAWR')
    &(SUACT_1 = HRLAWR2X)) ACTSU_14 ='HRLAWR'.
IF ((ACTSU_13 NE 'TDASOC')&(ACTSU_12 NE 'TDASOC')&(ACTSU_11 NE 'TDASOC')
    &(SUACT_1 = TDASOC2X)) ACTSU_14 ='TDASOC'.
IF ((ACTSU_13 NE 'EIN__')&(ACTSU_12 NE 'EIN__')&(ACTSU_11 NE 'EIN__')
    &(SUACT_1 = EIN__2X)) ACTSU_14 ='EIN__'.
IF ((ACTSU_13 NE 'DBA__')&(ACTSU_12 NE 'DBA__')&(ACTSU_11 NE 'DBA__')
    &(SUACT_1 = DBA__2X)) ACTSU_14 ='DBA__'.
IF ((ACTSU_13 NE 'EQTAG1')&(ACTSU_12 NE 'EQTAG1')&(ACTSU_11 NE 'EQTAG1')
    &(SUACT_1 = EQTAG2X1)) ACTSU_14 ='EQTAG1'.
*.
IF ((ACTSU_13 NE 'FINSPT')&(ACTSU_12 NE 'FINSPT')&(ACTSU_11 NE 'FINSPT')
    &(SUACT_1 = FINSPT2X)) ACTSU_14 ='FINSPT'.
*.
*FREQ VAR ACTSU_14/FORMAT = DFREQ/STAT ALL.
EXECUTE.
*.
MISSING VALUES ACTSU_11 ('111111') ACTSU_12 ('222222') ACTSU_13 ('333333')

```



```

ACTSU_14 ('444444').
EXECUTE.
*.
FREQ VAR ACTSU_11 ACTSU_12 ACTSU_13 ACTSU_14/FORMAT = DFREQ/STAT ALL.
EXECUTE.
*.
*=====
*.
COMPUTE      SUACT_2 = 999998.
VARIABLE LABEL
      SUACT_2      'SECOND ACT IN START-UP SEQUENCE'.
*.
*=====
*.
IF ((BUSPLN2X LT SUACT_2)&(BUSPLN2X GT SUACT_1)) SUACT_2 = BUSPLN2X.
IF ((MODEL_2X LT SUACT_2)&(MODEL_2X GT SUACT_1)) SUACT_2 = MODEL_2X.
IF ((PROMOT2X LT SUACT_2)&(PROMOT2X GT SUACT_1)) SUACT_2 = PROMOT2X.
IF ((PATENT2X LT SUACT_2)&(PATENT2X GT SUACT_1)) SUACT_2 = PATENT2X.
IF ((PURCHA2X LT SUACT_2)&(PURCHA2X GT SUACT_1)) SUACT_2 = PURCHA2X.
*.
IF ((LEASE_2X LT SUACT_2)&(LEASE_2X GT SUACT_1)) SUACT_2 = LEASE_2X.
IF ((DFNMKT2X LT SUACT_2)&(DFNMKT2X GT SUACT_1)) SUACT_2 = DFNMKT2X.
IF ((FINPRJ2X LT SUACT_2)&(FINPRJ2X GT SUACT_1)) SUACT_2 = FINPRJ2X.
IF ((ONINV2X1 LT SUACT_2)&(ONINV2X1 GT SUACT_1)) SUACT_2 = ONINV2X1.
IF ((ASKFND2X LT SUACT_2)&(ASKFND2X GT SUACT_1)) SUACT_2 = ASKFND2X.
*.
IF ((SUPCRD2X LT SUACT_2)&(SUPCRD2X GT SUACT_1)) SUACT_2 = SUPCRD2X.
IF ((FTWK_2X1 LT SUACT_2)&(FTWK_2X1 GT SUACT_1)) SUACT_2 = FTWK_2X1.
IF ((HIRE_2X LT SUACT_2)&(HIRE_2X GT SUACT_1)) SUACT_2 = HIRE_2X.
IF ((BKACCT2X LT SUACT_2)&(BKACCT2X GT SUACT_1)) SUACT_2 = BKACCT2X.
IF ((SALES_2X LT SUACT_2)&(SALES_2X GT SUACT_1)) SUACT_2 = SALES_2X.
*.
IF ((CSHFL_2X LT SUACT_2)&(CSHFL_2X GT SUACT_1)) SUACT_2 = CSHFL_2X.
IF ((PHLIST2X LT SUACT_2)&(PHLIST2X GT SUACT_1)) SUACT_2 = PHLIST2X.
IF ((UNEMP_2X LT SUACT_2)&(UNEMP_2X GT SUACT_1)) SUACT_2 = UNEMP_2X.
IF ((FICA_2X LT SUACT_2)&(FICA_2X GT SUACT_1)) SUACT_2 = FICA_2X.
IF ((FEDTAX2X LT SUACT_2)&(FEDTAX2X GT SUACT_1)) SUACT_2 = FEDTAX2X.
*.
IF ((DANDB_2X LT SUACT_2)&(DANDB_2X GT SUACT_1)) SUACT_2 = DANDB_2X.
IF ((SPACE_2X LT SUACT_2)&(SPACE_2X GT SUACT_1)) SUACT_2 = SPACE_2X.
IF ((LEGAL_2X LT SUACT_2)&(LEGAL_2X GT SUACT_1)) SUACT_2 = LEGAL_2X.
IF ((LIABIS2X LT SUACT_2)&(LIABIS2X GT SUACT_1)) SUACT_2 = LIABIS2X.
IF ((PRTECH2X LT SUACT_2)&(PRTECH2X GT SUACT_1)) SUACT_2 = PRTECH2X.
*.
IF ((TLKCST2X LT SUACT_2)&(TLKCST2X GT SUACT_1)) SUACT_2 = TLKCST2X.
IF ((IFOCPT2X LT SUACT_2)&(IFOCPT2X GT SUACT_1)) SUACT_2 = IFOCPT2X.
IF ((FNDREG2X LT SUACT_2)&(FNDREG2X GT SUACT_1)) SUACT_2 = FNDREG2X.
IF ((GETFND2X LT SUACT_2)&(GETFND2X GT SUACT_1)) SUACT_2 = GETFND2X.
IF ((HRACCT2X LT SUACT_2)&(HRACCT2X GT SUACT_1)) SUACT_2 = HRACCT2X.
*.
IF ((HRLAWR2X LT SUACT_2)&(HRLAWR2X GT SUACT_1)) SUACT_2 = HRLAWR2X.
IF ((TDASOC2X LT SUACT_2)&(TDASOC2X GT SUACT_1)) SUACT_2 = TDASOC2X.
IF ((EIN__2X LT SUACT_2)&(EIN__2X GT SUACT_1)) SUACT_2 = EIN__2X.
IF ((DBA__2X LT SUACT_2)&(DBA__2X GT SUACT_1)) SUACT_2 = DBA__2X.

```

IF ((EQTAG2X1 LT SUACT_2)&(EQTAG2X1 GT SUACT_1)) SUACT_2 = EQTAG2X1.

*.

IF ((FINSPT2X LT SUACT_2)&(FINSPT2X GT SUACT_1)) SUACT_2 = FINSPT2X.

*.

*.

DESCRIPTIVES VAR SUACT_1 SUACT_2.

*.

MISSING VALUES SUACT_2 (999998).

DESCRIPTIVES VAR SUACT_1 SUACT_2.

*.

FREQ VAR SUACT_2/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.

*.

*=====.

*.

* IDENTIFY ACTS SECOND IN SEQUENCE.

*.

*=====.

*.

STRING ACTSU_21 (A6).

STRING ACTSU_22 (A6).

STRING ACTSU_23 (A6).

STRING ACTSU_24 (A6).

VARIABLE LABEL

ACTSU_21 '2ND SU ACT IN SEQUENCE:NO 1/'

ACTSU_22 '2ND SU ACT IN SEQUENCE:NO 2/'

ACTSU_23 '2ND SU ACT IN SEQUENCE:NO 3/'

ACTSU_24 '2ND SU ACT IN SEQUENCE:NO 4'.

*.

VALUE LABELS ACTSU_21 ACTSU_22 ACTSU_23 ACTSU_24

'THINK_' 'SERIOUS THOUGHT'

'SPACE_' 'USE PHYSICAL SPACE'

'LEGAL_' 'LEGAL FORM REGIST'

'LIABIS' 'GOT LIAB INS'

'BUSPLN' 'BUSS PLAN INITIATED'

'MODEL_' 'MODEL INITIATED'

'PROMOT' 'PROMOT 4 PROD/SERV'

'PRTECH' 'DEVELOP PROPRIET TECH'

'PATENT' 'IPR'S INITIATED'

'LEASE_' 'PURC,LEASED CAPITAL ASSET'

'PURCHA' 'PURC,MATERIAL,SUPPL,INVENT'

'TLKCST' 'TALK TO CUSTOMERS'

'IFOCPT' 'COLLECT COMPETIR INFO'

'DFNMKT' 'DEFINING MARKETS'

'FINPRJ' 'FINANCIAL PROJ'S'

'FNDREG' 'REGULAT REQUIREMENTS'

'ASKFND' 'ASKED 4 FUNDING'

'GETFND' 'GOT FUNDING'

'SUPCRD' 'SUPPLIER CREDIT'

'HIRE__' 'PERSON HIRED'

'BKACCT' 'BUSS BANK ACCT'

'SALES_' 'INCOME RECEIVED'

'CSHFL_' 'MTHLY POSIT CASH FLOW'

'HRACCT' 'HIRED ACCOUNTANT'

'HRLAWR' 'HIRED LAWYER'
'TDASOC' 'TRADE ASSOC MBR'
'PHLIST' 'INTERNET/PHONE LIST'
'EIN___' 'FEDERAL EIN NUMBER'
'DBA___' 'FICTICIOUS (DBA) NAME'
'UNEMP_' 'ST UNEMPLOY INS'
'FICA__' 'FED FICA PAYMENT'
'FEDTAX' 'FED INCOME TAX'
'DANDB_' 'KNOW D&B LIST'
'ONINV1' 'OWN #1 INVESTED'
'EQTAG1' 'SIGN AGREE:OWN #1'
'FTWK_1' 'FT INVOL OWN#1'
'FINSPT' 'FINANCIAL SUPPORT'.

*.

COMPUTE ACTSU_21 = '111111'.
COMPUTE ACTSU_22 = '222222'.
COMPUTE ACTSU_23 = '333333'.
COMPUTE ACTSU_24 = '444444'.

*.

* IDENTIFY FIRST START-UP ACT.

*.

IF ((ACTSU_21='111111')&(SUACT_2 = BUSPLN2X)) ACTSU_21 = 'BUSPLN'.
IF ((ACTSU_21='111111')&(SUACT_2 = MODEL_2X)) ACTSU_21 = 'MODEL_'.
IF ((ACTSU_21='111111')&(SUACT_2 = PROMOT2X)) ACTSU_21 = 'PROMOT'.
IF ((ACTSU_21='111111')&(SUACT_2 = PATENT2X)) ACTSU_21 = 'PATENT'.
IF ((ACTSU_21='111111')&(SUACT_2 = PURCHA2X)) ACTSU_21 = 'PURCHA'.

*.

IF ((ACTSU_21='111111')&(SUACT_2 = LEASE_2X)) ACTSU_21 = 'LEASE_'.
IF ((ACTSU_21='111111')&(SUACT_2 = DFNMKT2X)) ACTSU_21 = 'DFNMKT'.
IF ((ACTSU_21='111111')&(SUACT_2 = FINPRJ2X)) ACTSU_21 = 'FINPRJ'.
IF ((ACTSU_21='111111')&(SUACT_2 = ONINV2X1)) ACTSU_21 = 'ONINV1'.
IF ((ACTSU_21='111111')&(SUACT_2 = ASKFND2X)) ACTSU_21 = 'ASKFND'.

*.

IF ((ACTSU_21='111111')&(SUACT_2 = SUPCRD2X)) ACTSU_21 = 'SUPCRD'.
IF ((ACTSU_21='111111')&(SUACT_2 = FTWK_2X1)) ACTSU_21 = 'FTWK_1'.
IF ((ACTSU_21='111111')&(SUACT_2 = HIRE_2X)) ACTSU_21 = 'HIRE_'.
IF ((ACTSU_21='111111')&(SUACT_2 = BKACCT2X)) ACTSU_21 = 'BKACCT'.
IF ((ACTSU_21='111111')&(SUACT_2 = SALES_2X)) ACTSU_21 = 'SALES_'.

*.

IF ((ACTSU_21='111111')&(SUACT_2 = CSHFL_2X)) ACTSU_21 = 'CSHFL_'.
IF ((ACTSU_21='111111')&(SUACT_2 = PHLIST2X)) ACTSU_21 = 'PHLIST'.
IF ((ACTSU_21='111111')&(SUACT_2 = UNEMP_2X)) ACTSU_21 = 'UNEMP_'.
IF ((ACTSU_21='111111')&(SUACT_2 = FICA_2X)) ACTSU_21 = 'FICA_'.
IF ((ACTSU_21='111111')&(SUACT_2 = FEDTAX2X)) ACTSU_21 = 'FEDTAX'.

*.

IF ((ACTSU_21='111111')&(SUACT_2 = DANDB_2X)) ACTSU_21 = 'DANDB_'.
IF ((ACTSU_21='111111')&(SUACT_2 = SPACE_2X)) ACTSU_21 = 'SPACE_'.
IF ((ACTSU_21='111111')&(SUACT_2 = LEGAL_2X)) ACTSU_21 = 'LEGAL_'.
IF ((ACTSU_21='111111')&(SUACT_2 = LIABIS2X)) ACTSU_21 = 'LIABIS'.
IF ((ACTSU_21='111111')&(SUACT_2 = PRTECH2X)) ACTSU_21 = 'PRTECH'.

*.

IF ((ACTSU_21='111111')&(SUACT_2 = TLKCST2X)) ACTSU_21 = 'TLKCST'.
IF ((ACTSU_21='111111')&(SUACT_2 = IFOCPT2X)) ACTSU_21 = 'IFOCPT'.
IF ((ACTSU_21='111111')&(SUACT_2 = FNDREG2X)) ACTSU_21 = 'FNDREG'.

```

IF ((ACTSU_21='111111')&(SUACT_2 = GETFND2X)) ACTSU_21 = 'GETFND'.
IF ((ACTSU_21='111111')&(SUACT_2 = HRACCT2X)) ACTSU_21 = 'HRACCT'.
*.
IF ((ACTSU_21='111111')&(SUACT_2 = HRLAWR2X)) ACTSU_21 = 'HRLAWR'.
IF ((ACTSU_21='111111')&(SUACT_2 = TDASOC2X)) ACTSU_21 = 'TDASOC'.
IF ((ACTSU_21='111111')&(SUACT_2 = EIN___2X)) ACTSU_21 = 'EIN___'.
IF ((ACTSU_21='111111')&(SUACT_2 = DBA___2X)) ACTSU_21 = 'DBA___'.
IF ((ACTSU_21='111111')&(SUACT_2 = EQTAG2X1)) ACTSU_21 = 'EQTAG1'.
*.
IF ((ACTSU_21='111111')&(SUACT_2 = FINSPT2X)) ACTSU_21 = 'FINSPT'.
*.
EXECUTE.
*.
*.
*   IDENTIFY SECOND SIMUTANEOUS START-UP ACT.
*.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'BUSPLN')&(SUACT_2 = BUSPLN2X))
  ACTSU_22 ='BUSPLN'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'MODEL_')&(SUACT_2 = MODEL_2X))
  ACTSU_22 ='MODEL_'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'PROMOT')&(SUACT_2 = PROMOT2X))
  ACTSU_22 ='PROMOT'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'PATENT')&(SUACT_2 = PATENT2X))
  ACTSU_22 ='PATENT'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'PURCHA')&(SUACT_2 = PURCHA2X))
  ACTSU_22 ='PURCHA'.
*.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'LEASE_')&(SUACT_2 = LEASE_2X))
  ACTSU_22 ='LEASE_'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'DFNMKT')&(SUACT_2 = DFNMKT2X))
  ACTSU_22 ='DFNMKT'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'FINPRJ')&(SUACT_2 = FINPRJ2X))
  ACTSU_22 ='FINPRJ'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'ONINV1')&(SUACT_2 = ONINV2X1))
  ACTSU_22 ='ONINV1'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'ASKFND')&(SUACT_2 = ASKFND2X))
  ACTSU_22 ='ASKFND'.
*.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'SUPCRD')&(SUACT_2 = SUPCRD2X))
  ACTSU_22 ='SUPCRD'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'FTWK_1')&(SUACT_2 = FTWK_2X1))
  ACTSU_22 ='FTWK_1'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'HIRE__')&(SUACT_2 = HIRE__2X))
  ACTSU_22 ='HIRE__'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'BKACCT')&(SUACT_2 = BKACCT2X))
  ACTSU_22 ='BKACCT'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'SALES_')&(SUACT_2 = SALES_2X))
  ACTSU_22 ='SALES_'.
*.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'CSHFL_')&(SUACT_2 = CSHFL_2X))
  ACTSU_22 ='CSHFL_'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'PHLIST')&(SUACT_2 = PHLIST2X))
  ACTSU_22 ='PHLIST'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'UNEMP_')&(SUACT_2 = UNEMP_2X))

```

```

ACTSU_22 ='UNEMP_'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'FICA_')&(SUACT_2 = FICA__2X))
  ACTSU_22 ='FICA_'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'FEDTAX')&(SUACT_2 = FEDTAX2X))
  ACTSU_22 ='FEDTAX'.
*.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'DANDB_')&(SUACT_2 = DANDB_2X))
  ACTSU_22 ='DANDB_'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'SPACE_')&(SUACT_2 = SPACE_2X))
  ACTSU_22 ='SPACE_'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'LEGAL_')&(SUACT_2 = LEGAL_2X))
  ACTSU_22 ='LEGAL_'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'LIABIS')&(SUACT_2 = LIABIS2X))
  ACTSU_22 ='LIABIS'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'PRTECH')&(SUACT_2 = PRTECH2X))
  ACTSU_22 ='PRTECH'.
*.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'TLKCST')&(SUACT_2 = TLKCST2X))
  ACTSU_22 ='TLKCST'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'IFOCPT')&(SUACT_2 = IFOCPT2X))
  ACTSU_22 ='IFOCPT'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'FNDREG')&(SUACT_2 = FNDREG2X))
  ACTSU_22 ='FNDREG'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'GETFND')&(SUACT_2 = GETFND2X))
  ACTSU_22 ='GETFND'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'HRACCT')&(SUACT_2 = HRACCT2X))
  ACTSU_22 ='HRACCT'.
*.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'HRLAWR')&(SUACT_2 = HRLAWR2X))
  ACTSU_22 ='HRLAWR'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'TDASOC')&(SUACT_2 = TDASOC2X))
  ACTSU_22 ='TDASOC'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'EIN___')&(SUACT_2 = EIN___2X))
  ACTSU_22 ='EIN___'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'DBA___')&(SUACT_2 = DBA___2X))
  ACTSU_22 ='DBA___'.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'EQTAG1')&(SUACT_2 = EQTAG2X1))
  ACTSU_22 ='EQTAG1'.
*.
IF ((ACTSU_22='222222')&(ACTSU_21 NE 'FINSPT')&(SUACT_2 = FINSPT2X))
  ACTSU_22 ='FINSPT'.
*.
EXECUTE.
*.
*.
*   IDENTIFY THIRD SIMUTANEOUS START-UP ACT.
*.
*.
IF ((ACTSU_22 NE 'BUSPLN')&(ACTSU_21 NE 'BUSPLN')&(SUACT_2 = BUSPLN2X))
  ACTSU_23 ='BUSPLN'.
IF ((ACTSU_22 NE 'MODEL_')&(ACTSU_21 NE 'MODEL_')&(SUACT_2 = MODEL_2X))
  ACTSU_23 ='MODEL_'.
IF ((ACTSU_22 NE 'PROMOT')&(ACTSU_21 NE 'PROMOT')&(SUACT_2 = PROMOT2X))
  ACTSU_23 ='PROMOT'.

```

IF ((ACTSU_22 NE 'PATENT')&(ACTSU_21 NE 'PATENT')&(SUACT_2 = PATENT2X))
 ACTSU_23 ='PATENT'.
 IF ((ACTSU_22 NE 'PURCHA')&(ACTSU_21 NE 'PURCHA')&(SUACT_2 = PURCHA2X))
 ACTSU_23 ='PURCHA'.
 *.
 IF ((ACTSU_22 NE 'LEASE_')&(ACTSU_21 NE 'LEASE_')&(SUACT_2 = LEASE_2X))
 ACTSU_23 ='LEASE_'.
 IF ((ACTSU_22 NE 'DFNMKT')&(ACTSU_21 NE 'DFNMKT')&(SUACT_2 = DFNMKT2X))
 ACTSU_23 ='DFNMKT'.
 IF ((ACTSU_22 NE 'FINPRJ')&(ACTSU_21 NE 'FINPRJ')&(SUACT_2 = FINPRJ2X))
 ACTSU_23 ='FINPRJ'.
 IF ((ACTSU_22 NE 'ONINV1')&(ACTSU_21 NE 'ONINV1')&(SUACT_2 = ONINV2X1))
 ACTSU_23 ='ONINV1'.
 IF ((ACTSU_22 NE 'ASKFND')&(ACTSU_21 NE 'ASKFND')&(SUACT_2 = ASKFND2X))
 ACTSU_23 ='ASKFND'.
 *.
 IF ((ACTSU_22 NE 'SUPCRD')&(ACTSU_21 NE 'SUPCRD')&(SUACT_2 = SUPCRD2X))
 ACTSU_23 ='SUPCRD'.
 IF ((ACTSU_22 NE 'FTWK_1')&(ACTSU_21 NE 'FTWK_1')&(SUACT_2 = FTWK_2X1))
 ACTSU_23 ='FTWK_1'.
 IF ((ACTSU_22 NE 'HIRE__')&(ACTSU_21 NE 'HIRE__')&(SUACT_2 = HIRE__2X))
 ACTSU_23 ='HIRE__'.
 IF ((ACTSU_22 NE 'BKACCT')&(ACTSU_21 NE 'BKACCT')&(SUACT_2 = BKACCT2X))
 ACTSU_23 ='BKACCT'.
 IF ((ACTSU_22 NE 'SALES_')&(ACTSU_21 NE 'SALES_')&(SUACT_2 = SALES_2X))
 ACTSU_23 ='SALES_'.
 *.
 IF ((ACTSU_22 NE 'CSHFL_')&(ACTSU_21 NE 'CSHFL_')&(SUACT_2 = CSHFL_2X))
 ACTSU_23 ='CSHFL_'.
 IF ((ACTSU_22 NE 'PHLIST')&(ACTSU_21 NE 'PHLIST')&(SUACT_2 = PHLIST2X))
 ACTSU_23 ='PHLIST'.
 IF ((ACTSU_22 NE 'UNEMP_')&(ACTSU_21 NE 'UNEMP_')&(SUACT_2 = UNEMP_2X))
 ACTSU_23 ='UNEMP_'.
 IF ((ACTSU_22 NE 'FICA__')&(ACTSU_21 NE 'FICA__')&(SUACT_2 = FICA__2X))
 ACTSU_23 ='FICA__'.
 IF ((ACTSU_22 NE 'FEDTAX')&(ACTSU_21 NE 'FEDTAX')&(SUACT_2 = FEDTAX2X))
 ACTSU_23 ='FEDTAX'.
 *.
 IF ((ACTSU_22 NE 'DANDB_')&(ACTSU_21 NE 'DANDB_')&(SUACT_2 = DANDB_2X))
 ACTSU_23 ='DANDB_'.
 IF ((ACTSU_22 NE 'SPACE_')&(ACTSU_21 NE 'SPACE_')&(SUACT_2 = SPACE_2X))
 ACTSU_23 ='SPACE_'.
 IF ((ACTSU_22 NE 'LEGAL_')&(ACTSU_21 NE 'LEGAL_')&(SUACT_2 = LEGAL_2X))
 ACTSU_23 ='LEGAL_'.
 IF ((ACTSU_22 NE 'LIABIS')&(ACTSU_21 NE 'LIABIS')&(SUACT_2 = LIABIS2X))
 ACTSU_23 ='LIABIS'.
 IF ((ACTSU_22 NE 'PRTECH')&(ACTSU_21 NE 'PRTECH')&(SUACT_2 = PRTECH2X))
 ACTSU_23 ='PRTECH'.
 *.
 IF ((ACTSU_22 NE 'TLKCST')&(ACTSU_21 NE 'TLKCST')&(SUACT_2 = TLKCST2X))
 ACTSU_23 ='TLKCST'.
 IF ((ACTSU_22 NE 'IFOCPT')&(ACTSU_21 NE 'IFOCPT')&(SUACT_2 = IFOCPT2X))
 ACTSU_23 ='IFOCPT'.
 IF ((ACTSU_22 NE 'FNDREG')&(ACTSU_21 NE 'FNDREG')&(SUACT_2 = FNDREG2X))

```

ACTSU_23 ='FNDREG'.
IF ((ACTSU_22 NE 'GETFND')&(ACTSU_21 NE 'GETFND')&(SUACT_2 = GETFND2X))
  ACTSU_23 ='GETFND'.
IF ((ACTSU_22 NE 'HRACCT')&(ACTSU_21 NE 'HRACCT')&(SUACT_2 = HRACCT2X))
  ACTSU_23 ='HRACCT'.
*.
IF ((ACTSU_22 NE 'HRLAWR')&(ACTSU_21 NE 'HRLAWR')&(SUACT_2 = HRLAWR2X))
  ACTSU_23 ='HRLAWR'.
IF ((ACTSU_22 NE 'TDASOC')&(ACTSU_21 NE 'TDASOC')&(SUACT_2 = TDASOC2X))
  ACTSU_23 ='TDASOC'.
IF ((ACTSU_22 NE 'EIN___')&(ACTSU_21 NE 'EIN___')&(SUACT_2 = EIN___2X))
  ACTSU_23 ='EIN___'.
IF ((ACTSU_22 NE 'DBA___')&(ACTSU_21 NE 'DBA___')&(SUACT_2 = DBA___2X))
  ACTSU_23 ='DBA___'.
IF ((ACTSU_22 NE 'EQTAG1')&(ACTSU_21 NE 'EQTAG1')&(SUACT_2 = EQTAG2X1))
  ACTSU_23 ='EQTAG1'.
*.
IF ((ACTSU_22 NE 'FINSPT')&(ACTSU_21 NE 'FINSPT')&(SUACT_2 = FINSPT2X))
  ACTSU_23 ='FINSPT'.
*.
EXECUTE.
*.
*   IDENTIFY FOURTH SIMUTANEOUS START-UP ACT.
*.
IF ((ACTSU_23 NE 'BUSPLN')&(ACTSU_22 NE 'BUSPLN')&(ACTSU_21 NE 'BUSPLN')
  &(SUACT_2 = BUSPLN2X)) ACTSU_24 ='BUSPLN'.
IF ((ACTSU_23 NE 'MODEL_')&(ACTSU_22 NE 'MODEL_')&(ACTSU_21 NE 'MODEL_')
  &(SUACT_2 = MODEL_2X)) ACTSU_24 ='MODEL_'.
IF ((ACTSU_23 NE 'PROMOT')&(ACTSU_22 NE 'PROMOT')&(ACTSU_21 NE 'PROMOT')
  &(SUACT_2 = PROMOT2X)) ACTSU_24 ='PROMOT'.
IF ((ACTSU_23 NE 'PATENT')&(ACTSU_22 NE 'PATENT')&(ACTSU_21 NE 'PATENT')
  &(SUACT_2 = PATENT2X)) ACTSU_24 ='PATENT'.
IF ((ACTSU_23 NE 'PURCHA')&(ACTSU_22 NE 'PURCHA')&(ACTSU_21 NE 'PURCHA')
  &(SUACT_2 = PURCHA2X)) ACTSU_24 ='PURCHA'.
*.
IF ((ACTSU_23 NE 'LEASE_')&(ACTSU_22 NE 'LEASE_')&(ACTSU_21 NE 'LEASE_')
  &(SUACT_2 = LEASE_2X)) ACTSU_24 ='LEASE_'.
IF ((ACTSU_23 NE 'DFNMKT')&(ACTSU_22 NE 'DFNMKT')&(ACTSU_21 NE 'DFNMKT')
  &(SUACT_2 = DFNMKT2X)) ACTSU_24 ='DFNMKT'.
IF ((ACTSU_23 NE 'FINPRJ')&(ACTSU_22 NE 'FINPRJ')&(ACTSU_21 NE 'FINPRJ')
  &(SUACT_2 = FINPRJ2X)) ACTSU_24 ='FINPRJ'.
IF ((ACTSU_23 NE 'ONINV1')&(ACTSU_22 NE 'ONINV1')&(ACTSU_21 NE 'ONINV1')
  &(SUACT_2 = ONINV2X1)) ACTSU_24 ='ONINV1'.
IF ((ACTSU_23 NE 'ASKFND')&(ACTSU_22 NE 'ASKFND')&(ACTSU_21 NE 'ASKFND')
  &(SUACT_2 = ASKFND2X)) ACTSU_24 ='ASKFND'.
*.
IF ((ACTSU_23 NE 'SUPCRD')&(ACTSU_22 NE 'SUPCRD')&(ACTSU_21 NE 'SUPCRD')
  &(SUACT_2 = SUPCRD2X)) ACTSU_24 ='SUPCRD'.
IF ((ACTSU_23 NE 'FTWK_1')&(ACTSU_22 NE 'FTWK_1')&(ACTSU_21 NE 'FTWK_1')
  &(SUACT_2 = FTWK_2X1)) ACTSU_24 ='FTWK_1'.
IF ((ACTSU_23 NE 'HIRE__')&(ACTSU_22 NE 'HIRE__')&(ACTSU_21 NE 'HIRE__')
  &(SUACT_2 = HIRE__2X)) ACTSU_24 ='HIRE__'.
IF ((ACTSU_23 NE 'BKACCT')&(ACTSU_22 NE 'BKACCT')&(ACTSU_21 NE 'BKACCT')
  &(SUACT_2 = BKACCT2X)) ACTSU_24 ='BKACCT'.

```

```

IF ((ACTSU_23 NE 'SALES_')&(ACTSU_22 NE 'SALES_')&(ACTSU_21 NE 'SALES_')
    &(SUACT_2 = SALES_2X)) ACTSU_24 ='SALES_'.
*.
IF ((ACTSU_23 NE 'CSHFL_')&(ACTSU_22 NE 'CSHFL_')&(ACTSU_21 NE 'CSHFL_')
    &(SUACT_2 = CSHFL_2X)) ACTSU_24 ='CSHFL_'.
IF ((ACTSU_23 NE 'PHLIST')&(ACTSU_22 NE 'PHLIST')&(ACTSU_21 NE 'PHLIST')
    &(SUACT_2 = PHLIST2X)) ACTSU_24 ='PHLIST'.
IF ((ACTSU_23 NE 'UNEMP_')&(ACTSU_22 NE 'UNEMP_')&(ACTSU_21 NE 'UNEMP_')
    &(SUACT_2 = UNEMP_2X)) ACTSU_24 ='UNEMP_'.
IF ((ACTSU_23 NE 'FICA__')&(ACTSU_22 NE 'FICA__')&(ACTSU_21 NE 'FICA__')
    &(SUACT_2 = FICA__2X)) ACTSU_24 ='FICA__'.
IF ((ACTSU_23 NE 'FEDTAX')&(ACTSU_22 NE 'FEDTAX')&(ACTSU_21 NE 'FEDTAX')
    &(SUACT_2 = FEDTAX2X)) ACTSU_24 ='FEDTAX'.
*.
IF ((ACTSU_23 NE 'DANDB_')&(ACTSU_22 NE 'DANDB_')&(ACTSU_21 NE 'DANDB_')
    &(SUACT_2 = DANDB_2X)) ACTSU_24 ='DANDB_'.
IF ((ACTSU_23 NE 'SPACE_')&(ACTSU_22 NE 'SPACE_')&(ACTSU_21 NE 'SPACE_')
    &(SUACT_2 = SPACE_2X)) ACTSU_24 ='SPACE_'.
IF ((ACTSU_23 NE 'LEGAL_')&(ACTSU_22 NE 'LEGAL_')&(ACTSU_21 NE 'LEGAL_')
    &(SUACT_2 = LEGAL_2X)) ACTSU_24 ='LEGAL_'.
IF ((ACTSU_23 NE 'LIABIS')&(ACTSU_22 NE 'LIABIS')&(ACTSU_21 NE 'LIABIS')
    &(SUACT_2 = LIABIS2X)) ACTSU_24 ='LIABIS'.
IF ((ACTSU_23 NE 'PRTECH')&(ACTSU_22 NE 'PRTECH')&(ACTSU_21 NE 'PRTECH')
    &(SUACT_2 = PRTECH2X)) ACTSU_24 ='PRTECH'.
*.
IF ((ACTSU_23 NE 'TLKCST')&(ACTSU_22 NE 'TLKCST')&(ACTSU_21 NE 'TLKCST')
    &(SUACT_2 = TLKCST2X)) ACTSU_24 ='TLKCST'.
IF ((ACTSU_23 NE 'IFOCPT')&(ACTSU_22 NE 'IFOCPT')&(ACTSU_21 NE 'IFOCPT')
    &(SUACT_2 = IFOCPT2X)) ACTSU_24 ='IFOCPT'.
IF ((ACTSU_23 NE 'FNDREG')&(ACTSU_22 NE 'FNDREG')&(ACTSU_21 NE 'FNDREG')
    &(SUACT_2 = FNDREG2X)) ACTSU_24 ='FNDREG'.
IF ((ACTSU_23 NE 'GETFND')&(ACTSU_22 NE 'GETFND')&(ACTSU_21 NE 'GETFND')
    &(SUACT_2 = GETFND2X)) ACTSU_24 ='GETFND'.
IF ((ACTSU_23 NE 'HRACCT')&(ACTSU_22 NE 'HRACCT')&(ACTSU_21 NE 'HRACCT')
    &(SUACT_2 = HRACCT2X)) ACTSU_24 ='HRACCT'.
*.
IF ((ACTSU_23 NE 'HRLAWR')&(ACTSU_22 NE 'HRLAWR')&(ACTSU_21 NE 'HRLAWR')
    &(SUACT_2 = HRLAWR2X)) ACTSU_24 ='HRLAWR'.
IF ((ACTSU_23 NE 'TDASOC')&(ACTSU_22 NE 'TDASOC')&(ACTSU_21 NE 'TDASOC')
    &(SUACT_2 = TDASOC2X)) ACTSU_24 ='TDASOC'.
IF ((ACTSU_23 NE 'EIN___')&(ACTSU_22 NE 'EIN___')&(ACTSU_21 NE 'EIN___')
    &(SUACT_2 = EIN___2X)) ACTSU_24 ='EIN___'.
IF ((ACTSU_23 NE 'DBA___')&(ACTSU_22 NE 'DBA___')&(ACTSU_21 NE 'DBA___')
    &(SUACT_2 = DBA___2X)) ACTSU_24 ='DBA___'.
IF ((ACTSU_23 NE 'EQTAG1')&(ACTSU_22 NE 'EQTAG1')&(ACTSU_21 NE 'EQTAG1')
    &(SUACT_2 = EQTAG2X1)) ACTSU_24 ='EQTAG1'.
*.
IF ((ACTSU_23 NE 'FINSPT')&(ACTSU_22 NE 'FINSPT')&(ACTSU_21 NE 'FINSPT')
    &(SUACT_2 = FINSPT2X)) ACTSU_24 ='FINSPT'.
*.
EXECUTE.
*.
MISSING VALUES ACTSU_21 ('111111') ACTSU_22 ('222222') ACTSU_23 ('333333')
    ACTSU_24 ('444444').

```


EXECUTE.

.*

FREQ VAR ACTSU_21 ACTSU_22 ACTSU_23 ACTSU_24/FORMAT = DFREQ/STAT ALL.

EXECUTE.

.*

*=====.

.*

COMPUTE SUACT_3 = 999997.

VARIABLE LABEL

SUACT_3 'THIRD ACT IN START-UP SEQUENCE'.

.*

*=====.

.*

IF ((BUSPLN2X LT SUACT_3)&(BUSPLN2X GT SUACT_2)) SUACT_3 = BUSPLN2X.

IF ((MODEL_2X LT SUACT_3)&(MODEL_2X GT SUACT_2)) SUACT_3 = MODEL_2X.

IF ((PROMOT2X LT SUACT_3)&(PROMOT2X GT SUACT_2)) SUACT_3 = PROMOT2X.

IF ((PATENT2X LT SUACT_3)&(PATENT2X GT SUACT_2)) SUACT_3 = PATENT2X.

IF ((PURCHA2X LT SUACT_3)&(PURCHA2X GT SUACT_2)) SUACT_3 = PURCHA2X.

.*

IF ((LEASE_2X LT SUACT_3)&(LEASE_2X GT SUACT_2)) SUACT_3 = LEASE_2X.

IF ((DFNMKT2X LT SUACT_3)&(DFNMKT2X GT SUACT_2)) SUACT_3 = DFNMKT2X.

IF ((FINPRJ2X LT SUACT_3)&(FINPRJ2X GT SUACT_2)) SUACT_3 = FINPRJ2X.

IF ((ONINV2X1 LT SUACT_3)&(ONINV2X1 GT SUACT_2)) SUACT_3 = ONINV2X1.

IF ((ASKFND2X LT SUACT_3)&(ASKFND2X GT SUACT_2)) SUACT_3 = ASKFND2X.

.*

IF ((SUPCRD2X LT SUACT_3)&(SUPCRD2X GT SUACT_2)) SUACT_3 = SUPCRD2X.

IF ((FTWK_2X1 LT SUACT_3)&(FTWK_2X1 GT SUACT_2)) SUACT_3 = FTWK_2X1.

IF ((HIRE_2X LT SUACT_3)&(HIRE_2X GT SUACT_2)) SUACT_3 = HIRE_2X.

IF ((BKACCT2X LT SUACT_3)&(BKACCT2X GT SUACT_2)) SUACT_3 = BKACCT2X.

IF ((SALES_2X LT SUACT_3)&(SALES_2X GT SUACT_2)) SUACT_3 = SALES_2X.

.*

IF ((CSHFL_2X LT SUACT_3)&(CSHFL_2X GT SUACT_2)) SUACT_3 = CSHFL_2X.

IF ((PHLIST2X LT SUACT_3)&(PHLIST2X GT SUACT_2)) SUACT_3 = PHLIST2X.

IF ((UNEMP_2X LT SUACT_3)&(UNEMP_2X GT SUACT_2)) SUACT_3 = UNEMP_2X.

IF ((FICA_2X LT SUACT_3)&(FICA_2X GT SUACT_2)) SUACT_3 = FICA_2X.

IF ((FEDTAX2X LT SUACT_3)&(FEDTAX2X GT SUACT_2)) SUACT_3 = FEDTAX2X.

.*

IF ((DANDB_2X LT SUACT_3)&(DANDB_2X GT SUACT_2)) SUACT_3 = DANDB_2X.

IF ((SPACE_2X LT SUACT_3)&(SPACE_2X GT SUACT_2)) SUACT_3 = SPACE_2X.

IF ((LEGAL_2X LT SUACT_3)&(LEGAL_2X GT SUACT_2)) SUACT_3 = LEGAL_2X.

IF ((LIABIS2X LT SUACT_3)&(LIABIS2X GT SUACT_2)) SUACT_3 = LIABIS2X.

IF ((PRTECH2X LT SUACT_3)&(PRTECH2X GT SUACT_2)) SUACT_3 = PRTECH2X.

.*

IF ((TLKCST2X LT SUACT_3)&(TLKCST2X GT SUACT_2)) SUACT_3 = TLKCST2X.

IF ((IFOCPT2X LT SUACT_3)&(IFOCPT2X GT SUACT_2)) SUACT_3 = IFOCPT2X.

IF ((FNDREG2X LT SUACT_3)&(FNDREG2X GT SUACT_2)) SUACT_3 = FNDREG2X.

IF ((GETFND2X LT SUACT_3)&(GETFND2X GT SUACT_2)) SUACT_3 = GETFND2X.

IF ((HRACCT2X LT SUACT_3)&(HRACCT2X GT SUACT_2)) SUACT_3 = HRACCT2X.

.*

IF ((HRLAWR2X LT SUACT_3)&(HRLAWR2X GT SUACT_2)) SUACT_3 = HRLAWR2X.

IF ((TDASOC2X LT SUACT_3)&(TDASOC2X GT SUACT_2)) SUACT_3 = TDASOC2X.

IF ((EIN__2X LT SUACT_3)&(EIN__2X GT SUACT_2)) SUACT_3 = EIN__2X.

IF ((DBA__2X LT SUACT_3)&(DBA__2X GT SUACT_2)) SUACT_3 = DBA__2X.

IF ((EQTAG2X1 LT SUACT_3)&(EQTAG2X1 GT SUACT_2)) SUACT_3 = EQTAG2X1.

```

*.
IF ((FINSPT2X LT SUACT_3)&(FINSPT2X GT SUACT_2)) SUACT_3 = FINSPT2X.
*.
DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3.
*.
MISSING VALUES SUACT_3 (999997).
DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3.
*.
FREQ VAR SUACT_3/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.
*.
*=====
*.
* IDENTIFY ACTS THIRD IN SEQUENCE.
*.
*=====
*.
STRING ACTSU_31 (A6).
STRING ACTSU_32 (A6).
STRING ACTSU_33 (A6).
STRING ACTSU_34 (A6).
VARIABLE LABEL
  ACTSU_31 '3RD SU ACT IN SEQUENCE:NO 1/'
  ACTSU_32 '3RD SU ACT IN SEQUENCE:NO 2/'
  ACTSU_33 '3RD SU ACT IN SEQUENCE:NO 3/'
  ACTSU_34 '3RD SU ACT IN SEQUENCE:NO 4'.
*.
VALUE LABELS ACTSU_31 ACTSU_32 ACTSU_33 ACTSU_34
'THINK_' 'SERIOUS THOUGHT'
'SPACE_' 'USE PHYSICAL SPACE'
'LEGAL_' 'LEGAL FORM REGIST'
'LIABIS' 'GOT LIAB INS'
'BUSPLN' 'BUSS PLAN INITIATED'
'MODEL_' 'MODEL INITIATED'
'PROMOT' 'PROMOT 4 PROD/SERV'
'PRTECH' 'DEVELOP PROPRIET TECH'
'PATENT' 'IPR'S INITIATED'
'LEASE_' 'PURC,LEASED CAPITAL ASSET'
'PURCHA' 'PURC,MATERIAL,SUPPL,INVENT'
'TLKCST' 'TALK TO CUSTOMERS'
'IFOCPT' 'COLLECT COMPETIR INFO'
'DFNMKT' 'DEFINING MARKETS'
'FINPRJ' "FINANCIAL PROJ'S"
'FNDREG' 'REGULAT REQUIREMENTS'
'ASKFND' 'ASKED 4 FUNDING'
'GETFND' 'GOT FUNDING'
'SUPCRD' 'SUPPLIER CREDIT'
'HIRE__' 'PERSON HIRED'
'BKACCT' 'BUSS BANK ACCT'
'SALES_' 'INCOME RECEIVED'
'CSHFL_' 'MTHLY POSIT CASH FLOW'
'HRACCT' 'HIRED ACCOUNTANT'
'URLAWR' 'HIRED LAWYER'
'TDASOC' 'TRADE ASSOC MBR'
'PHLIST' 'INTERNET/PHONE LIST'

```

'EIN___' 'FEDERAL EIN NUMBER'
'DBA___' 'FICTICIOUS (DBA) NAME'
'UNEMP_' 'ST UNEMPLOY INS'
'FICA_' 'FED FICA PAYMENT'
'FEDTAX' 'FED INCOME TAX'
'DANDB_' 'KNOW D&B LIST'
'ONINV1' 'OWN #1 INVESTED'
'EQTAG1' 'SIGN AGREE:OWN #1'
'FTWK_1' 'FT INVOL OWN#1'
'FINSPT' 'FINANCIAL SUPPORT'.

*.
COMPUTE ACTSU_31 = '111111'.
COMPUTE ACTSU_32 = '222222'.
COMPUTE ACTSU_33 = '333333'.
COMPUTE ACTSU_34 = '444444'.

*.
* IDENTIFY FIRST START-UP ACT.

*.
IF ((ACTSU_31='111111')&(SUACT_3 = BUSPLN2X)) ACTSU_31 = 'BUSPLN'.
IF ((ACTSU_31='111111')&(SUACT_3 = MODEL_2X)) ACTSU_31 = 'MODEL_'.
IF ((ACTSU_31='111111')&(SUACT_3 = PROMOT2X)) ACTSU_31 = 'PROMOT'.
IF ((ACTSU_31='111111')&(SUACT_3 = PATENT2X)) ACTSU_31 = 'PATENT'.
IF ((ACTSU_31='111111')&(SUACT_3 = PURCHA2X)) ACTSU_31 = 'PURCHA'.

*.
IF ((ACTSU_31='111111')&(SUACT_3 = LEASE_2X)) ACTSU_31 = 'LEASE_'.
IF ((ACTSU_31='111111')&(SUACT_3 = DFNMKT2X)) ACTSU_31 = 'DFNMKT'.
IF ((ACTSU_31='111111')&(SUACT_3 = FINPRJ2X)) ACTSU_31 = 'FINPRJ'.
IF ((ACTSU_31='111111')&(SUACT_3 = ONINV2X1)) ACTSU_31 = 'ONINV1'.
IF ((ACTSU_31='111111')&(SUACT_3 = ASKFND2X)) ACTSU_31 = 'ASKFND'.

*.
IF ((ACTSU_31='111111')&(SUACT_3 = SUPCRD2X)) ACTSU_31 = 'SUPCRD'.
IF ((ACTSU_31='111111')&(SUACT_3 = FTWK_2X1)) ACTSU_31 = 'FTWK_1'.
IF ((ACTSU_31='111111')&(SUACT_3 = HIRE_2X)) ACTSU_31 = 'HIRE_'.
IF ((ACTSU_31='111111')&(SUACT_3 = BKACCT2X)) ACTSU_31 = 'BKACCT'.
IF ((ACTSU_31='111111')&(SUACT_3 = SALES_2X)) ACTSU_31 = 'SALES_'.

*.
IF ((ACTSU_31='111111')&(SUACT_3 = CSHFL_2X)) ACTSU_31 = 'CSHFL_'.
IF ((ACTSU_31='111111')&(SUACT_3 = PHLIST2X)) ACTSU_31 = 'PHLIST'.
IF ((ACTSU_31='111111')&(SUACT_3 = UNEMP_2X)) ACTSU_31 = 'UNEMP_'.
IF ((ACTSU_31='111111')&(SUACT_3 = FICA_2X)) ACTSU_31 = 'FICA_'.
IF ((ACTSU_31='111111')&(SUACT_3 = FEDTAX2X)) ACTSU_31 = 'FEDTAX'.

*.
IF ((ACTSU_31='111111')&(SUACT_3 = DANDB_2X)) ACTSU_31 = 'DANDB_'.
IF ((ACTSU_31='111111')&(SUACT_3 = SPACE_2X)) ACTSU_31 = 'SPACE_'.
IF ((ACTSU_31='111111')&(SUACT_3 = LEGAL_2X)) ACTSU_31 = 'LEGAL_'.
IF ((ACTSU_31='111111')&(SUACT_3 = LIABIS2X)) ACTSU_31 = 'LIABIS'.
IF ((ACTSU_31='111111')&(SUACT_3 = PRTECH2X)) ACTSU_31 = 'PRTECH'.

*.
IF ((ACTSU_31='111111')&(SUACT_3 = TLKCST2X)) ACTSU_31 = 'TLKCST'.
IF ((ACTSU_31='111111')&(SUACT_3 = IFOCPT2X)) ACTSU_31 = 'IFOCPT'.
IF ((ACTSU_31='111111')&(SUACT_3 = FNDREG2X)) ACTSU_31 = 'FNDREG'.
IF ((ACTSU_31='111111')&(SUACT_3 = GETFND2X)) ACTSU_31 = 'GETFND'.
IF ((ACTSU_31='111111')&(SUACT_3 = HRACCT2X)) ACTSU_31 = 'HRACCT'.

*.

```

IF ((ACTSU_31='111111')&(SUACTION_3 = HRLAWR2X)) ACTSU_31 = 'HRLAWR'.
IF ((ACTSU_31='111111')&(SUACTION_3 = TDASOC2X)) ACTSU_31 = 'TDASOC'.
IF ((ACTSU_31='111111')&(SUACTION_3 = EIN___2X)) ACTSU_31 = 'EIN___'.
IF ((ACTSU_31='111111')&(SUACTION_3 = DBA___2X)) ACTSU_31 = 'DBA___'.
IF ((ACTSU_31='111111')&(SUACTION_3 = EQTAG2X1)) ACTSU_31 = 'EQTAG1'.
*.
IF ((ACTSU_31='111111')&(SUACTION_3 = FINSPT2X)) ACTSU_31 = 'FINSPT'.
*.
EXECUTE.
*.
*.
* IDENTIFY SECOND SIMUTANEOUS START-UP ACT.
*.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'BUSPLN')&(SUACTION_3 = BUSPLN2X))
ACTSU_32 ='BUSPLN'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'MODEL_')&(SUACTION_3 = MODEL_2X))
ACTSU_32 ='MODEL_'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'PROMOT')&(SUACTION_3 = PROMOT2X))
ACTSU_32 ='PROMOT'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'PATENT')&(SUACTION_3 = PATENT2X))
ACTSU_32 ='PATENT'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'PURCHA')&(SUACTION_3 = PURCHA2X))
ACTSU_32 ='PURCHA'.
*.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'LEASE_')&(SUACTION_3 = LEASE_2X))
ACTSU_32 ='LEASE_'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'DFNMKT')&(SUACTION_3 = DFNMKT2X))
ACTSU_32 ='DFNMKT'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'FINPRJ')&(SUACTION_3 = FINPRJ2X))
ACTSU_32 ='FINPRJ'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'ONINV1')&(SUACTION_3 = ONINV2X1))
ACTSU_32 ='ONINV1'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'ASKFND')&(SUACTION_3 = ASKFND2X))
ACTSU_32 ='ASKFND'.
*.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'SUPCRD')&(SUACTION_3 = SUPCRD2X))
ACTSU_32 ='SUPCRD'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'FTWK_1')&(SUACTION_3 = FTWK_2X1))
ACTSU_32 ='FTWK_1'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'HIRE_')&(SUACTION_3 = HIRE_2X))
ACTSU_32 ='HIRE_'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'BKACCT')&(SUACTION_3 = BKACCT2X))
ACTSU_32 ='BKACCT'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'SALES_')&(SUACTION_3 = SALES_2X))
ACTSU_32 ='SALES_'.
*.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'CSHFL_')&(SUACTION_3 = CSHFL_2X))
ACTSU_32 ='CSHFL_'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'PHLIST')&(SUACTION_3 = PHLIST2X))
ACTSU_32 ='PHLIST'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'UNEMP_')&(SUACTION_3 = UNEMP_2X))
ACTSU_32 ='UNEMP_'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'FICA_')&(SUACTION_3 = FICA_2X))
ACTSU_32 ='FICA_'.

```

```

IF ((ACTSU_32='222222')&(ACTSU_31 NE 'FEDTAX')&(SUACTION_3 = FEDTAX2X))
  ACTSU_32 ='FEDTAX'.
*.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'DANDB_')&(SUACTION_3 = DANDB_2X))
  ACTSU_32 ='DANDB_'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'SPACE_')&(SUACTION_3 = SPACE_2X))
  ACTSU_32 ='SPACE_'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'LEGAL_')&(SUACTION_3 = LEGAL_2X))
  ACTSU_32 ='LEGAL_'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'LIABIS')&(SUACTION_3 = LIABIS2X))
  ACTSU_32 ='LIABIS'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'PRTECH')&(SUACTION_3 = PRTECH2X))
  ACTSU_32 ='PRTECH'.
*.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'TLKCST')&(SUACTION_3 = TLKCST2X))
  ACTSU_32 ='TLKCST'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'IFOCPT')&(SUACTION_3 = IFOCPT2X))
  ACTSU_32 ='IFOCPT'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'FNDREG')&(SUACTION_3 = FNDREG2X))
  ACTSU_32 ='FNDREG'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'GETFND')&(SUACTION_3 = GETFND2X))
  ACTSU_32 ='GETFND'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'HRACCT')&(SUACTION_3 = HRACCT2X))
  ACTSU_32 ='HRACCT'.
*.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'HRLAWR')&(SUACTION_3 = HRLAWR2X))
  ACTSU_32 ='HRLAWR'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'TDASOC')&(SUACTION_3 = TDASOC2X))
  ACTSU_32 ='TDASOC'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'EIN___')&(SUACTION_3 = EIN___2X))
  ACTSU_32 ='EIN___'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'DBA___')&(SUACTION_3 = DBA___2X))
  ACTSU_32 ='DBA___'.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'EQTAG1')&(SUACTION_3 = EQTAG2X1))
  ACTSU_32 ='EQTAG1'.
*.
IF ((ACTSU_32='222222')&(ACTSU_31 NE 'FINSPT')&(SUACTION_3 = FINSPT2X))
  ACTSU_32 ='FINSPT'.
*.
EXECUTE.
*.
*.
*   IDENTIFY THIRD SIMUTANEOUS START-UP ACT.
*.
*.
IF ((ACTSU_32 NE 'BUSPLN')&(ACTSU_31 NE 'BUSPLN')&(SUACTION_3 = BUSPLN2X))
  ACTSU_33 ='BUSPLN'.
IF ((ACTSU_32 NE 'MODEL_')&(ACTSU_31 NE 'MODEL_')&(SUACTION_3 = MODEL_2X))
  ACTSU_33 ='MODEL_'.
IF ((ACTSU_32 NE 'PROMOT')&(ACTSU_31 NE 'PROMOT')&(SUACTION_3 = PROMOT2X))
  ACTSU_33 ='PROMOT'.
IF ((ACTSU_32 NE 'PATENT')&(ACTSU_31 NE 'PATENT')&(SUACTION_3 = PATENT2X))
  ACTSU_33 ='PATENT'.
IF ((ACTSU_32 NE 'PURCHA')&(ACTSU_31 NE 'PURCHA')&(SUACTION_3 = PURCHA2X))

```

```

ACTSU_33 ='PURCHA'.
*.
IF ((ACTSU_32 NE 'LEASE_')&(ACTSU_31 NE 'LEASE_')&(SUACT_3 = LEASE_2X))
  ACTSU_33 ='LEASE_'.
IF ((ACTSU_32 NE 'DFNMKT')&(ACTSU_31 NE 'DFNMKT')&(SUACT_3 = DFNMKT2X))
  ACTSU_33 ='DFNMKT'.
IF ((ACTSU_32 NE 'FINPRJ')&(ACTSU_31 NE 'FINPRJ')&(SUACT_3 = FINPRJ2X))
  ACTSU_33 ='FINPRJ'.
IF ((ACTSU_32 NE 'ONINV1')&(ACTSU_31 NE 'ONINV1')&(SUACT_3 = ONINV2X1))
  ACTSU_33 ='ONINV1'.
IF ((ACTSU_32 NE 'ASKFND')&(ACTSU_31 NE 'ASKFND')&(SUACT_3 = ASKFND2X))
  ACTSU_33 ='ASKFND'.
*.
IF ((ACTSU_32 NE 'SUPCRD')&(ACTSU_31 NE 'SUPCRD')&(SUACT_3 = SUPCRD2X))
  ACTSU_33 ='SUPCRD'.
IF ((ACTSU_32 NE 'FTWK_1')&(ACTSU_31 NE 'FTWK_1')&(SUACT_3 = FTWK_2X1))
  ACTSU_33 ='FTWK_1'.
IF ((ACTSU_32 NE 'HIRE__')&(ACTSU_31 NE 'HIRE__')&(SUACT_3 = HIRE__2X))
  ACTSU_33 ='HIRE__'.
IF ((ACTSU_32 NE 'BKACCT')&(ACTSU_31 NE 'BKACCT')&(SUACT_3 = BKACCT2X))
  ACTSU_33 ='BKACCT'.
IF ((ACTSU_32 NE 'SALES_')&(ACTSU_31 NE 'SALES_')&(SUACT_3 = SALES_2X))
  ACTSU_33 ='SALES_'.
*.
IF ((ACTSU_32 NE 'CSHFL_')&(ACTSU_31 NE 'CSHFL_')&(SUACT_3 = CSHFL_2X))
  ACTSU_33 ='CSHFL_'.
IF ((ACTSU_32 NE 'PHLIST')&(ACTSU_31 NE 'PHLIST')&(SUACT_3 = PHLIST2X))
  ACTSU_33 ='PHLIST'.
IF ((ACTSU_32 NE 'UNEMP_')&(ACTSU_31 NE 'UNEMP_')&(SUACT_3 = UNEMP_2X))
  ACTSU_33 ='UNEMP_'.
IF ((ACTSU_32 NE 'FICA__')&(ACTSU_31 NE 'FICA__')&(SUACT_3 = FICA__2X))
  ACTSU_33 ='FICA__'.
IF ((ACTSU_32 NE 'FEDTAX')&(ACTSU_31 NE 'FEDTAX')&(SUACT_3 = FEDTAX2X))
  ACTSU_33 ='FEDTAX'.
*.
IF ((ACTSU_32 NE 'DANDB_')&(ACTSU_31 NE 'DANDB_')&(SUACT_3 = DANDB_2X))
  ACTSU_33 ='DANDB_'.
IF ((ACTSU_32 NE 'SPACE_')&(ACTSU_31 NE 'SPACE_')&(SUACT_3 = SPACE_2X))
  ACTSU_33 ='SPACE_'.
IF ((ACTSU_32 NE 'LEGAL_')&(ACTSU_31 NE 'LEGAL_')&(SUACT_3 = LEGAL_2X))
  ACTSU_33 ='LEGAL_'.
IF ((ACTSU_32 NE 'LIABIS')&(ACTSU_31 NE 'LIABIS')&(SUACT_3 = LIABIS2X))
  ACTSU_33 ='LIABIS'.
IF ((ACTSU_32 NE 'PRTECH')&(ACTSU_31 NE 'PRTECH')&(SUACT_3 = PRTECH2X))
  ACTSU_33 ='PRTECH'.
*.
IF ((ACTSU_32 NE 'TLKCST')&(ACTSU_31 NE 'TLKCST')&(SUACT_3 = TLKCST2X))
  ACTSU_33 ='TLKCST'.
IF ((ACTSU_32 NE 'IFOCPT')&(ACTSU_31 NE 'IFOCPT')&(SUACT_3 = IFOCPT2X))
  ACTSU_33 ='IFOCPT'.
IF ((ACTSU_32 NE 'FNDREG')&(ACTSU_31 NE 'FNDREG')&(SUACT_3 = FNDREG2X))
  ACTSU_33 ='FNDREG'.
IF ((ACTSU_32 NE 'GETFND')&(ACTSU_31 NE 'GETFND')&(SUACT_3 = GETFND2X))
  ACTSU_33 ='GETFND'.

```

```

IF ((ACTSU_32 NE 'HRACCT')&(ACTSU_31 NE 'HRACCT')&(SUACT_3 = HRACCT2X))
  ACTSU_33 ='HRACCT'.
*.
IF ((ACTSU_32 NE 'HRLAWR')&(ACTSU_31 NE 'HRLAWR')&(SUACT_3 = HRLAWR2X))
  ACTSU_33 ='HRLAWR'.
IF ((ACTSU_32 NE 'TDASOC')&(ACTSU_31 NE 'TDASOC')&(SUACT_3 = TDASOC2X))
  ACTSU_33 ='TDASOC'.
IF ((ACTSU_32 NE 'EIN___')&(ACTSU_31 NE 'EIN___')&(SUACT_3 = EIN___2X))
  ACTSU_33 ='EIN___'.
IF ((ACTSU_32 NE 'DBA___')&(ACTSU_31 NE 'DBA___')&(SUACT_3 = DBA___2X))
  ACTSU_33 ='DBA___'.
IF ((ACTSU_32 NE 'EQTAG1')&(ACTSU_31 NE 'EQTAG1')&(SUACT_3 = EQTAG2X1))
  ACTSU_33 ='EQTAG1'.
*.
IF ((ACTSU_32 NE 'FINSPT')&(ACTSU_31 NE 'FINSPT')&(SUACT_3 = FINSPT2X))
  ACTSU_33 ='FINSPT'.
*.
EXECUTE.
*.
*   IDENTIFY FOURTH SIMUTANEOUS START-UP ACT.
*.
IF ((ACTSU_33 NE 'BUSPLN')&(ACTSU_32 NE 'BUSPLN')&(ACTSU_31 NE 'BUSPLN')
  &(SUACT_3 = BUSPLN2X)) ACTSU_34 ='BUSPLN'.
IF ((ACTSU_33 NE 'MODEL_')&(ACTSU_32 NE 'MODEL_')&(ACTSU_31 NE 'MODEL_')
  &(SUACT_3 = MODEL_2X)) ACTSU_34 ='MODEL_'.
IF ((ACTSU_33 NE 'PROMOT')&(ACTSU_32 NE 'PROMOT')&(ACTSU_31 NE 'PROMOT')
  &(SUACT_3 = PROMOT2X)) ACTSU_34 ='PROMOT'.
IF ((ACTSU_33 NE 'PATENT')&(ACTSU_32 NE 'PATENT')&(ACTSU_31 NE 'PATENT')
  &(SUACT_3 = PATENT2X)) ACTSU_34 ='PATENT'.
IF ((ACTSU_33 NE 'PURCHA')&(ACTSU_32 NE 'PURCHA')&(ACTSU_31 NE 'PURCHA')
  &(SUACT_3 = PURCHA2X)) ACTSU_34 ='PURCHA'.
*.
IF ((ACTSU_33 NE 'LEASE_')&(ACTSU_32 NE 'LEASE_')&(ACTSU_31 NE 'LEASE_')
  &(SUACT_3 = LEASE_2X)) ACTSU_34 ='LEASE_'.
IF ((ACTSU_33 NE 'DFNMKT')&(ACTSU_32 NE 'DFNMKT')&(ACTSU_31 NE 'DFNMKT')
  &(SUACT_3 = DFNMKT2X)) ACTSU_34 ='DFNMKT'.
IF ((ACTSU_33 NE 'FINPRJ')&(ACTSU_32 NE 'FINPRJ')&(ACTSU_31 NE 'FINPRJ')
  &(SUACT_3 = FINPRJ2X)) ACTSU_34 ='FINPRJ'.
IF ((ACTSU_33 NE 'ONINV1')&(ACTSU_32 NE 'ONINV1')&(ACTSU_31 NE 'ONINV1')
  &(SUACT_3 = ONINV2X1)) ACTSU_34 ='ONINV1'.
IF ((ACTSU_33 NE 'ASKFND')&(ACTSU_32 NE 'ASKFND')&(ACTSU_31 NE 'ASKFND')
  &(SUACT_3 = ASKFND2X)) ACTSU_34 ='ASKFND'.
*.
IF ((ACTSU_33 NE 'SUPCRD')&(ACTSU_32 NE 'SUPCRD')&(ACTSU_31 NE 'SUPCRD')
  &(SUACT_3 = SUPCRD2X)) ACTSU_34 ='SUPCRD'.
IF ((ACTSU_33 NE 'FTWK_1')&(ACTSU_32 NE 'FTWK_1')&(ACTSU_31 NE 'FTWK_1')
  &(SUACT_3 = FTWK_2X1)) ACTSU_34 ='FTWK_1'.
IF ((ACTSU_33 NE 'HIRE_')&(ACTSU_32 NE 'HIRE_')&(ACTSU_31 NE 'HIRE_')
  &(SUACT_3 = HIRE_2X)) ACTSU_34 ='HIRE_'.
IF ((ACTSU_33 NE 'BKACCT')&(ACTSU_32 NE 'BKACCT')&(ACTSU_31 NE 'BKACCT')
  &(SUACT_3 = BKACCT2X)) ACTSU_34 ='BKACCT'.
IF ((ACTSU_33 NE 'SALES_')&(ACTSU_32 NE 'SALES_')&(ACTSU_31 NE 'SALES_')
  &(SUACT_3 = SALES_2X)) ACTSU_34 ='SALES_'.
*.

```

```

IF ((ACTSU_33 NE 'CSHFL_')&(ACTSU_32 NE 'CSHFL_')&(ACTSU_31 NE 'CSHFL_')
    &(SUACT_3 = CSHFL_2X)) ACTSU_34 ='CSHFL_'.
IF ((ACTSU_33 NE 'PHLIST')&(ACTSU_32 NE 'PHLIST')&(ACTSU_31 NE 'PHLIST')
    &(SUACT_3 = PHLIST2X)) ACTSU_34 ='PHLIST'.
IF ((ACTSU_33 NE 'UNEMP_')&(ACTSU_32 NE 'UNEMP_')&(ACTSU_31 NE 'UNEMP_')
    &(SUACT_3 = UNEMP_2X)) ACTSU_34 ='UNEMP_'.
IF ((ACTSU_33 NE 'FICA__')&(ACTSU_32 NE 'FICA__')&(ACTSU_31 NE 'FICA__')
    &(SUACT_3 = FICA__2X)) ACTSU_34 ='FICA__'.
IF ((ACTSU_33 NE 'FEDTAX')&(ACTSU_32 NE 'FEDTAX')&(ACTSU_31 NE 'FEDTAX')
    &(SUACT_3 = FEDTAX2X)) ACTSU_34 ='FEDTAX'.
*.
IF ((ACTSU_33 NE 'DANDB_')&(ACTSU_32 NE 'DANDB_')&(ACTSU_31 NE 'DANDB_')
    &(SUACT_3 = DANDB_2X)) ACTSU_34 ='DANDB_'.
IF ((ACTSU_33 NE 'SPACE_')&(ACTSU_32 NE 'SPACE_')&(ACTSU_31 NE 'SPACE_')
    &(SUACT_3 = SPACE_2X)) ACTSU_34 ='SPACE_'.
IF ((ACTSU_33 NE 'LEGAL_')&(ACTSU_32 NE 'LEGAL_')&(ACTSU_31 NE 'LEGAL_')
    &(SUACT_3 = LEGAL_2X)) ACTSU_34 ='LEGAL_'.
IF ((ACTSU_33 NE 'LIABIS')&(ACTSU_32 NE 'LIABIS')&(ACTSU_31 NE 'LIABIS')
    &(SUACT_3 = LIABIS2X)) ACTSU_34 ='LIABIS'.
IF ((ACTSU_33 NE 'PRTECH')&(ACTSU_32 NE 'PRTECH')&(ACTSU_31 NE 'PRTECH')
    &(SUACT_3 = PRTECH2X)) ACTSU_34 ='PRTECH'.
*.
IF ((ACTSU_33 NE 'TLKCST')&(ACTSU_32 NE 'TLKCST')&(ACTSU_31 NE 'TLKCST')
    &(SUACT_3 = TLKCST2X)) ACTSU_34 ='TLKCST'.
IF ((ACTSU_33 NE 'IFOCPT')&(ACTSU_32 NE 'IFOCPT')&(ACTSU_31 NE 'IFOCPT')
    &(SUACT_3 = IFOCPT2X)) ACTSU_34 ='IFOCPT'.
IF ((ACTSU_33 NE 'FNDREG')&(ACTSU_32 NE 'FNDREG')&(ACTSU_31 NE 'FNDREG')
    &(SUACT_3 = FNDREG2X)) ACTSU_34 ='FNDREG'.
IF ((ACTSU_33 NE 'GETFND')&(ACTSU_32 NE 'GETFND')&(ACTSU_31 NE 'GETFND')
    &(SUACT_3 = GETFND2X)) ACTSU_34 ='GETFND'.
IF ((ACTSU_33 NE 'HRACCT')&(ACTSU_32 NE 'HRACCT')&(ACTSU_31 NE 'HRACCT')
    &(SUACT_3 = HRACCT2X)) ACTSU_34 ='HRACCT'.
*.
IF ((ACTSU_33 NE 'HRLAWR')&(ACTSU_32 NE 'HRLAWR')&(ACTSU_31 NE 'HRLAWR')
    &(SUACT_3 = HRLAWR2X)) ACTSU_34 ='HRLAWR'.
IF ((ACTSU_33 NE 'TDASOC')&(ACTSU_32 NE 'TDASOC')&(ACTSU_31 NE 'TDASOC')
    &(SUACT_3 = TDASOC2X)) ACTSU_34 ='TDASOC'.
IF ((ACTSU_33 NE 'EIN__')&(ACTSU_32 NE 'EIN__')&(ACTSU_31 NE 'EIN__')
    &(SUACT_3 = EIN__2X)) ACTSU_34 ='EIN__'.
IF ((ACTSU_33 NE 'DBA__')&(ACTSU_32 NE 'DBA__')&(ACTSU_31 NE 'DBA__')
    &(SUACT_3 = DBA__2X)) ACTSU_34 ='DBA__'.
IF ((ACTSU_33 NE 'EQTAG1')&(ACTSU_32 NE 'EQTAG1')&(ACTSU_31 NE 'EQTAG1')
    &(SUACT_3 = EQTAG2X1)) ACTSU_34 ='EQTAG1'.
*.
IF ((ACTSU_33 NE 'FINSPT')&(ACTSU_32 NE 'FINSPT')&(ACTSU_31 NE 'FINSPT')
    &(SUACT_3 = FINSPT2X)) ACTSU_34 ='FINSPT'.
*.
EXECUTE.
*.
MISSING VALUES ACTSU_31 ('111111') ACTSU_32 ('222222') ACTSU_33 ('333333')
    ACTSU_34 ('444444').
EXECUTE.
*.
FREQ VAR ACTSU_31 ACTSU_32 ACTSU_33 ACTSU_34/FORMAT = DFREQ/STAT ALL.

```


EXECUTE.

```
*=====
*.
COMPUTE      SUACT_4 = 999996.
VARIABLE LABEL
      SUACT_4      'FOURTH ACT IN START-UP SEQUENCE'.
*.
*=====
*.
IF ((BUSPLN2X LT SUACT_4)&(BUSPLN2X GT SUACT_3)) SUACT_4 = BUSPLN2X.
IF ((MODEL_2X LT SUACT_4)&(MODEL_2X GT SUACT_3)) SUACT_4 = MODEL_2X.
IF ((PROMOT2X LT SUACT_4)&(PROMOT2X GT SUACT_3)) SUACT_4 = PROMOT2X.
IF ((PATENT2X LT SUACT_4)&(PATENT2X GT SUACT_3)) SUACT_4 = PATENT2X.
IF ((PURCHA2X LT SUACT_4)&(PURCHA2X GT SUACT_3)) SUACT_4 = PURCHA2X.
*.
IF ((LEASE_2X LT SUACT_4)&(LEASE_2X GT SUACT_3)) SUACT_4 = LEASE_2X.
IF ((DFNMKT2X LT SUACT_4)&(DFNMKT2X GT SUACT_3)) SUACT_4 = DFNMKT2X.
IF ((FINPRJ2X LT SUACT_4)&(FINPRJ2X GT SUACT_3)) SUACT_4 = FINPRJ2X.
IF ((ONINV2X1 LT SUACT_4)&(ONINV2X1 GT SUACT_3)) SUACT_4 = ONINV2X1.
IF ((ASKFND2X LT SUACT_4)&(ASKFND2X GT SUACT_3)) SUACT_4 = ASKFND2X.
*.
IF ((SUPCRD2X LT SUACT_4)&(SUPCRD2X GT SUACT_3)) SUACT_4 = SUPCRD2X.
IF ((FTWK_2X1 LT SUACT_4)&(FTWK_2X1 GT SUACT_3)) SUACT_4 = FTWK_2X1.
IF ((HIRE__2X LT SUACT_4)&(HIRE__2X GT SUACT_3)) SUACT_4 = HIRE__2X.
IF ((BKACCT2X LT SUACT_4)&(BKACCT2X GT SUACT_3)) SUACT_4 = BKACCT2X.
IF ((SALES_2X LT SUACT_4)&(SALES_2X GT SUACT_3)) SUACT_4 = SALES_2X.
*.
IF ((CSHFL_2X LT SUACT_4)&(CSHFL_2X GT SUACT_3)) SUACT_4 = CSHFL_2X.
IF ((PHLIST2X LT SUACT_4)&(PHLIST2X GT SUACT_3)) SUACT_4 = PHLIST2X.
IF ((UNEMP_2X LT SUACT_4)&(UNEMP_2X GT SUACT_3)) SUACT_4 = UNEMP_2X.
IF ((FICA__2X LT SUACT_4)&(FICA__2X GT SUACT_3)) SUACT_4 = FICA__2X.
IF ((FEDTAX2X LT SUACT_4)&(FEDTAX2X GT SUACT_3)) SUACT_4 = FEDTAX2X.
*.
IF ((DANDB_2X LT SUACT_4)&(DANDB_2X GT SUACT_3)) SUACT_4 = DANDB_2X.
IF ((SPACE_2X LT SUACT_4)&(SPACE_2X GT SUACT_3)) SUACT_4 = SPACE_2X.
IF ((LEGAL_2X LT SUACT_4)&(LEGAL_2X GT SUACT_3)) SUACT_4 = LEGAL_2X.
IF ((LIABIS2X LT SUACT_4)&(LIABIS2X GT SUACT_3)) SUACT_4 = LIABIS2X.
IF ((PRTECH2X LT SUACT_4)&(PRTECH2X GT SUACT_3)) SUACT_4 = PRTECH2X.
*.
IF ((TLKCST2X LT SUACT_4)&(TLKCST2X GT SUACT_3)) SUACT_4 = TLKCST2X.
IF ((IFOCPT2X LT SUACT_4)&(IFOCPT2X GT SUACT_3)) SUACT_4 = IFOCPT2X.
IF ((FNDREG2X LT SUACT_4)&(FNDREG2X GT SUACT_3)) SUACT_4 = FNDREG2X.
IF ((GETFND2X LT SUACT_4)&(GETFND2X GT SUACT_3)) SUACT_4 = GETFND2X.
IF ((HRACCT2X LT SUACT_4)&(HRACCT2X GT SUACT_3)) SUACT_4 = HRACCT2X.
*.
IF ((HRLAWR2X LT SUACT_4)&(HRLAWR2X GT SUACT_3)) SUACT_4 = HRLAWR2X.
IF ((TDASOC2X LT SUACT_4)&(TDASOC2X GT SUACT_3)) SUACT_4 = TDASOC2X.
IF ((EIN__2X LT SUACT_4)&(EIN__2X GT SUACT_3)) SUACT_4 = EIN__2X.
IF ((DBA__2X LT SUACT_4)&(DBA__2X GT SUACT_3)) SUACT_4 = DBA__2X.
IF ((EQTAG2X1 LT SUACT_4)&(EQTAG2X1 GT SUACT_3)) SUACT_4 = EQTAG2X1.
*.
IF ((FINSPT2X LT SUACT_4)&(FINSPT2X GT SUACT_3)) SUACT_4 = FINSPT2X.
*.
DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3 SUACT_4.
```

```

*.
MISSING VALUES SUACT_4 (999996).
DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3 SUACT_4.
*.
FREQ VAR SUACT_4/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.
*.
*=====
*.
* IDENTIFY ACTS FOURTH IN SEQUENCE.
*.
*=====
*.
STRING ACTSU_41 (A6).
STRING ACTSU_42 (A6).
STRING ACTSU_43 (A6).
STRING ACTSU_44 (A6).
VARIABLE LABEL
  ACTSU_41 '4TH SU ACT IN SEQUENCE:NO 1/'
  ACTSU_42 '4TH SU ACT IN SEQUENCE:NO 2/'
  ACTSU_43 '4TH SU ACT IN SEQUENCE:NO 3/'
  ACTSU_44 '4TH SU ACT IN SEQUENCE:NO 4'.
*.
VALUE LABELS ACTSU_41 ACTSU_42 ACTSU_43 ACTSU_44
'THINK_' 'SERIOUS THOUGHT'
'SPACE_' 'USE PHYSICAL SPACE'
'LEGAL_' 'LEGAL FORM REGIST'
'LIABIS' 'GOT LIAB INS'
'BUSPLN' 'BUSS PLAN INITIATED'
'MODEL_' 'MODEL INITIATED'
'PROMOT' 'PROMOT 4 PROD/SERV'
'PRTECH' 'DEVELOP PROPRIET TECH'
'PATENT' "IPR'S INITIATED"
'LEASE_' 'PURC,LEASED CAPITAL ASSET'
'PURCHA' 'PURC,MATERIAL,SUPPL,INVENT'
'TLKCST' 'TALK TO CUSTOMERS'
'FOCPT' 'COLLECT COMPETIR INFO'
'DFNMKT' 'DEFINING MARKETS'
'FINPRJ' "FINANCIAL PROJ'S"
'FNDREG' 'REGULAT REQUIREMENTS'
'ASKFND' 'ASKED 4 FUNDING'
'GETFND' 'GOT FUNDING'
'SUPCRD' 'SUPPLIER CREDIT'
'HIRE__' 'PERSON HIRED'
'BKACCT' 'BUSS BANK ACCT'
'SALES_' 'INCOME RECEIVED'
'CSHFL_' 'MTHLY POSIT CASH FLOW'
'HRACCT' 'HIRED ACCOUNTANT'
'HRLAWR' 'HIRED LAWYER'
'TDASOC' 'TRADE ASSOC MBR'
'PHLIST' 'INTERNET/PHONE LIST'
'EIN___' 'FEDERAL EIN NUMBER'
'DBA___' 'FICTICIOUS (DBA) NAME'
'UNEMP_' 'ST UNEMPLOY INS'
'FICA__' 'FED FICA PAYMENT'

```

'FEDTAX' 'FED INCOME TAX'
'DANDB_' 'KNOW D&B LIST'
'ONINV1' 'OWN #1 INVESTED'
'EQTAG1' 'SIGN AGREE:OWN #1'
'FTWK_1' 'FT INVOL OWN#1'
'FINSPT' 'FINANCIAL SUPPORT'.

*.

COMPUTE ACTSU_41 = '111111'.
COMPUTE ACTSU_42 = '222222'.
COMPUTE ACTSU_43 = '333333'.
COMPUTE ACTSU_44 = '444444'.

*.

* IDENTIFY FIRST START-UP ACT.

*.

IF ((ACTSU_41='111111')&(SUACT_4 = BUSPLN2X)) ACTSU_41 = 'BUSPLN'.
IF ((ACTSU_41='111111')&(SUACT_4 = MODEL_2X)) ACTSU_41 = 'MODEL_'.
IF ((ACTSU_41='111111')&(SUACT_4 = PROMOT2X)) ACTSU_41 = 'PROMOT'.
IF ((ACTSU_41='111111')&(SUACT_4 = PATENT2X)) ACTSU_41 = 'PATENT'.
IF ((ACTSU_41='111111')&(SUACT_4 = PURCHA2X)) ACTSU_41 = 'PURCHA'.

*.

IF ((ACTSU_41='111111')&(SUACT_4 = LEASE_2X)) ACTSU_41 = 'LEASE_'.
IF ((ACTSU_41='111111')&(SUACT_4 = DFNMKT2X)) ACTSU_41 = 'DFNMKT'.
IF ((ACTSU_41='111111')&(SUACT_4 = FINPRJ2X)) ACTSU_41 = 'FINPRJ'.
IF ((ACTSU_41='111111')&(SUACT_4 = ONINV2X1)) ACTSU_41 = 'ONINV1'.
IF ((ACTSU_41='111111')&(SUACT_4 = ASKFND2X)) ACTSU_41 = 'ASKFND'.

*.

IF ((ACTSU_41='111111')&(SUACT_4 = SUPCRD2X)) ACTSU_41 = 'SUPCRD'.
IF ((ACTSU_41='111111')&(SUACT_4 = FTWK_2X1)) ACTSU_41 = 'FTWK_1'.
IF ((ACTSU_41='111111')&(SUACT_4 = HIRE__2X)) ACTSU_41 = 'HIRE__'.
IF ((ACTSU_41='111111')&(SUACT_4 = BKACCT2X)) ACTSU_41 = 'BKACCT'.
IF ((ACTSU_41='111111')&(SUACT_4 = SALES_2X)) ACTSU_41 = 'SALES_'.

*.

IF ((ACTSU_41='111111')&(SUACT_4 = CSHFL_2X)) ACTSU_41 = 'CSHFL_'.
IF ((ACTSU_41='111111')&(SUACT_4 = PHLIST2X)) ACTSU_41 = 'PHLIST'.
IF ((ACTSU_41='111111')&(SUACT_4 = UNEMP_2X)) ACTSU_41 = 'UNEMP_'.
IF ((ACTSU_41='111111')&(SUACT_4 = FICA__2X)) ACTSU_41 = 'FICA__'.
IF ((ACTSU_41='111111')&(SUACT_4 = FEDTAX2X)) ACTSU_41 = 'FEDTAX'.

*.

IF ((ACTSU_41='111111')&(SUACT_4 = DANDB_2X)) ACTSU_41 = 'DANDB_'.
IF ((ACTSU_41='111111')&(SUACT_4 = SPACE_2X)) ACTSU_41 = 'SPACE_'.
IF ((ACTSU_41='111111')&(SUACT_4 = LEGAL_2X)) ACTSU_41 = 'LEGAL_'.
IF ((ACTSU_41='111111')&(SUACT_4 = LIABIS2X)) ACTSU_41 = 'LIABIS'.
IF ((ACTSU_41='111111')&(SUACT_4 = PRTECH2X)) ACTSU_41 = 'PRTECH'.

*.

IF ((ACTSU_41='111111')&(SUACT_4 = TLKCST2X)) ACTSU_41 = 'TLKCST'.
IF ((ACTSU_41='111111')&(SUACT_4 = IFOCPT2X)) ACTSU_41 = 'IFOCPT'.
IF ((ACTSU_41='111111')&(SUACT_4 = FNDREG2X)) ACTSU_41 = 'FNDREG'.
IF ((ACTSU_41='111111')&(SUACT_4 = GETFND2X)) ACTSU_41 = 'GETFND'.
IF ((ACTSU_41='111111')&(SUACT_4 = HRACCT2X)) ACTSU_41 = 'HRACCT'.

*.

IF ((ACTSU_41='111111')&(SUACT_4 = HRLAWR2X)) ACTSU_41 = 'HRLAWR'.
IF ((ACTSU_41='111111')&(SUACT_4 = TDASOC2X)) ACTSU_41 = 'TDASOC'.
IF ((ACTSU_41='111111')&(SUACT_4 = EIN__2X)) ACTSU_41 = 'EIN__'.
IF ((ACTSU_41='111111')&(SUACT_4 = DBA__2X)) ACTSU_41 = 'DBA__'.

```

IF ((ACTSU_41='111111')&(SUACT_4 = EQTAG2X1)) ACTSU_41 = 'EQTAG1'.
*.
IF ((ACTSU_41='111111')&(SUACT_4 = FINSPT2X)) ACTSU_41 = 'FINSPT'.
*.
EXECUTE.
*.
*.
*   IDENTIFY SECOND SIMUTANEOUS START-UP ACT.
*.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'BUSPLN')&(SUACT_4 = BUSPLN2X))
  ACTSU_42 ='BUSPLN'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'MODEL_')&(SUACT_4 = MODEL_2X))
  ACTSU_42 ='MODEL_'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'PROMOT')&(SUACT_4 = PROMOT2X))
  ACTSU_42 ='PROMOT'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'PATENT')&(SUACT_4 = PATENT2X))
  ACTSU_42 ='PATENT'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'PURCHA')&(SUACT_4 = PURCHA2X))
  ACTSU_42 ='PURCHA'.
*.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'LEASE_')&(SUACT_4 = LEASE_2X))
  ACTSU_42 ='LEASE_'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'DFNMKT')&(SUACT_4 = DFNMKT2X))
  ACTSU_42 ='DFNMKT'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'FINPRJ')&(SUACT_4 = FINPRJ2X))
  ACTSU_42 ='FINPRJ'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'ONINV1')&(SUACT_4 = ONINV2X1))
  ACTSU_42 ='ONINV1'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'ASKFND')&(SUACT_4 = ASKFND2X))
  ACTSU_42 ='ASKFND'.
*.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'SUPCRD')&(SUACT_4 = SUPCRD2X))
  ACTSU_42 ='SUPCRD'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'FTWK_1')&(SUACT_4 = FTWK_2X1))
  ACTSU_42 ='FTWK_1'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'HIRE__')&(SUACT_4 = HIRE__2X))
  ACTSU_42 ='HIRE__'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'BKACCT')&(SUACT_4 = BKACCT2X))
  ACTSU_42 ='BKACCT'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'SALES_')&(SUACT_4 = SALES_2X))
  ACTSU_42 ='SALES_'.
*.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'CSHFL_')&(SUACT_4 = CSHFL_2X))
  ACTSU_42 ='CSHFL_'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'PHLIST')&(SUACT_4 = PHLIST2X))
  ACTSU_42 ='PHLIST'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'UNEMP_')&(SUACT_4 = UNEMP_2X))
  ACTSU_42 ='UNEMP_'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'FICA_')&(SUACT_4 = FICA__2X))
  ACTSU_42 ='FICA__'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'FEDTAX')&(SUACT_4 = FEDTAX2X))
  ACTSU_42 ='FEDTAX'.
*.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'DANDB_')&(SUACT_4 = DANDB_2X))

```

```

ACTSU_42 ='DANDB_'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'SPACE_')&(SUACT_4 = SPACE_2X))
  ACTSU_42 ='SPACE_'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'LEGAL_')&(SUACT_4 = LEGAL_2X))
  ACTSU_42 ='LEGAL_'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'LIABIS')&(SUACT_4 = LIABIS2X))
  ACTSU_42 ='LIABIS'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'PRTECH')&(SUACT_4 = PRTECH2X))
  ACTSU_42 ='PRTECH'.
*.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'TLKCST')&(SUACT_4 = TLKCST2X))
  ACTSU_42 ='TLKCST'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'IFOCPT')&(SUACT_4 = IFOCPT2X))
  ACTSU_42 ='IFOCPT'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'FNDREG')&(SUACT_4 = FNDREG2X))
  ACTSU_42 ='FNDREG'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'GETFND')&(SUACT_4 = GETFND2X))
  ACTSU_42 ='GETFND'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'HRACCT')&(SUACT_4 = HRACCT2X))
  ACTSU_42 ='HRACCT'.
*.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'HRLAWR')&(SUACT_4 = HRLAWR2X))
  ACTSU_42 ='HRLAWR'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'TDASOC')&(SUACT_4 = TDASOC2X))
  ACTSU_42 ='TDASOC'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'EIN___')&(SUACT_4 = EIN___2X))
  ACTSU_42 ='EIN___'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'DBA___')&(SUACT_4 = DBA___2X))
  ACTSU_42 ='DBA___'.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'EQTAG1')&(SUACT_4 = EQTAG2X1))
  ACTSU_42 ='EQTAG1'.
*.
IF ((ACTSU_42='222222')&(ACTSU_41 NE 'FINSPT')&(SUACT_4 = FINSPT2X))
  ACTSU_42 ='FINSPT'.
*.
EXECUTE.
*.
*   IDENTIFY THIRD SIMUTANEOUS START-UP ACT.
*.
*.
IF ((ACTSU_42 NE 'BUSPLN')&(ACTSU_41 NE 'BUSPLN')&(SUACT_4 = BUSPLN2X))
  ACTSU_43 ='BUSPLN'.
IF ((ACTSU_42 NE 'MODEL_')&(ACTSU_41 NE 'MODEL_')&(SUACT_4 = MODEL_2X))
  ACTSU_43 ='MODEL_'.
IF ((ACTSU_42 NE 'PROMOT')&(ACTSU_41 NE 'PROMOT')&(SUACT_4 = PROMOT2X))
  ACTSU_43 ='PROMOT'.
IF ((ACTSU_42 NE 'PATENT')&(ACTSU_41 NE 'PATENT')&(SUACT_4 = PATENT2X))
  ACTSU_43 ='PATENT'.
IF ((ACTSU_42 NE 'PURCHA')&(ACTSU_41 NE 'PURCHA')&(SUACT_4 = PURCHA2X))
  ACTSU_43 ='PURCHA'.
*.
IF ((ACTSU_42 NE 'LEASE_')&(ACTSU_41 NE 'LEASE_')&(SUACT_4 = LEASE_2X))
  ACTSU_43 ='LEASE_'.
IF ((ACTSU_42 NE 'DFNMKT')&(ACTSU_41 NE 'DFNMKT')&(SUACT_4 = DFNMKT2X))

```

```

ACTSU_43 ='DFNMKT'.
IF ((ACTSU_42 NE 'FINPRJ')&(ACTSU_41 NE 'FINPRJ')&(SUACT_4 = FINPRJ2X))
  ACTSU_43 ='FINPRJ'.
IF ((ACTSU_42 NE 'ONINV1')&(ACTSU_41 NE 'ONINV1')&(SUACT_4 = ONINV2X1))
  ACTSU_43 ='ONINV1'.
IF ((ACTSU_42 NE 'ASKFND')&(ACTSU_41 NE 'ASKFND')&(SUACT_4 = ASKFND2X))
  ACTSU_43 ='ASKFND'.
*.
IF ((ACTSU_42 NE 'SUPCRD')&(ACTSU_41 NE 'SUPCRD')&(SUACT_4 = SUPCRD2X))
  ACTSU_43 ='SUPCRD'.
IF ((ACTSU_42 NE 'FTWK_1')&(ACTSU_41 NE 'FTWK_1')&(SUACT_4 = FTWK_2X1))
  ACTSU_43 ='FTWK_1'.
IF ((ACTSU_42 NE 'HIRE__')&(ACTSU_41 NE 'HIRE__')&(SUACT_4 = HIRE__2X))
  ACTSU_43 ='HIRE__'.
IF ((ACTSU_42 NE 'BKACCT')&(ACTSU_41 NE 'BKACCT')&(SUACT_4 = BKACCT2X))
  ACTSU_43 ='BKACCT'.
IF ((ACTSU_42 NE 'SALES_')&(ACTSU_41 NE 'SALES_')&(SUACT_4 = SALES_2X))
  ACTSU_43 ='SALES_'.
*.
IF ((ACTSU_42 NE 'CSHFL_')&(ACTSU_41 NE 'CSHFL_')&(SUACT_4 = CSHFL_2X))
  ACTSU_43 ='CSHFL_'.
IF ((ACTSU_42 NE 'PHLIST')&(ACTSU_41 NE 'PHLIST')&(SUACT_4 = PHLIST2X))
  ACTSU_43 ='PHLIST'.
IF ((ACTSU_42 NE 'UNEMP_')&(ACTSU_41 NE 'UNEMP_')&(SUACT_4 = UNEMP_2X))
  ACTSU_43 ='UNEMP_'.
IF ((ACTSU_42 NE 'FICA__')&(ACTSU_41 NE 'FICA__')&(SUACT_4 = FICA__2X))
  ACTSU_43 ='FICA__'.
IF ((ACTSU_42 NE 'FEDTAX')&(ACTSU_41 NE 'FEDTAX')&(SUACT_4 = FEDTAX2X))
  ACTSU_43 ='FEDTAX'.
*.
IF ((ACTSU_42 NE 'DANDB_')&(ACTSU_41 NE 'DANDB_')&(SUACT_4 = DANDB_2X))
  ACTSU_43 ='DANDB_'.
IF ((ACTSU_42 NE 'SPACE_')&(ACTSU_41 NE 'SPACE_')&(SUACT_4 = SPACE_2X))
  ACTSU_43 ='SPACE_'.
IF ((ACTSU_42 NE 'LEGAL_')&(ACTSU_41 NE 'LEGAL_')&(SUACT_4 = LEGAL_2X))
  ACTSU_43 ='LEGAL_'.
IF ((ACTSU_42 NE 'LIABIS')&(ACTSU_41 NE 'LIABIS')&(SUACT_4 = LIABIS2X))
  ACTSU_43 ='LIABIS'.
IF ((ACTSU_42 NE 'PRTECH')&(ACTSU_41 NE 'PRTECH')&(SUACT_4 = PRTECH2X))
  ACTSU_43 ='PRTECH'.
*.
IF ((ACTSU_42 NE 'TLKCST')&(ACTSU_41 NE 'TLKCST')&(SUACT_4 = TLKCST2X))
  ACTSU_43 ='TLKCST'.
IF ((ACTSU_42 NE 'IFOCPT')&(ACTSU_41 NE 'IFOCPT')&(SUACT_4 = IFOCPT2X))
  ACTSU_43 ='IFOCPT'.
IF ((ACTSU_42 NE 'FNDREG')&(ACTSU_41 NE 'FNDREG')&(SUACT_4 = FNDREG2X))
  ACTSU_43 ='FNDREG'.
IF ((ACTSU_42 NE 'GETFND')&(ACTSU_41 NE 'GETFND')&(SUACT_4 = GETFND2X))
  ACTSU_43 ='GETFND'.
IF ((ACTSU_42 NE 'HRACCT')&(ACTSU_41 NE 'HRACCT')&(SUACT_4 = HRACCT2X))
  ACTSU_43 ='HRACCT'.
*.
IF ((ACTSU_42 NE 'HRLAWR')&(ACTSU_41 NE 'HRLAWR')&(SUACT_4 = HRLAWR2X))
  ACTSU_43 ='HRLAWR'.

```

```

IF ((ACTSU_42 NE 'TDASOC')&(ACTSU_41 NE 'TDASOC')&(SUACT_4 = TDASOC2X))
  ACTSU_43 ='TDASOC'.
IF ((ACTSU_42 NE 'EIN___')&(ACTSU_41 NE 'EIN___')&(SUACT_4 = EIN___2X))
  ACTSU_43 ='EIN___'.
IF ((ACTSU_42 NE 'DBA___')&(ACTSU_41 NE 'DBA___')&(SUACT_4 = DBA___2X))
  ACTSU_43 ='DBA___'.
IF ((ACTSU_42 NE 'EQTAG1')&(ACTSU_41 NE 'EQTAG1')&(SUACT_4 = EQTAG2X1))
  ACTSU_43 ='EQTAG1'.
*.
IF ((ACTSU_42 NE 'FINSPT')&(ACTSU_41 NE 'FINSPT')&(SUACT_4 = FINSPT2X))
  ACTSU_43 ='FINSPT'.
*.
EXECUTE.
*.
*   IDENTIFY FOURTH SIMUTANEOUS START-UP ACT.
*.
IF ((ACTSU_43 NE 'BUSPLN')&(ACTSU_42 NE 'BUSPLN')&(ACTSU_41 NE 'BUSPLN')
  &(SUACT_4 = BUSPLN2X)) ACTSU_44 ='BUSPLN'.
IF ((ACTSU_43 NE 'MODEL_')&(ACTSU_42 NE 'MODEL_')&(ACTSU_41 NE 'MODEL_')
  &(SUACT_4 = MODEL_2X)) ACTSU_44 ='MODEL_'.
IF ((ACTSU_43 NE 'PROMOT')&(ACTSU_42 NE 'PROMOT')&(ACTSU_41 NE 'PROMOT')
  &(SUACT_4 = PROMOT2X)) ACTSU_44 ='PROMOT'.
IF ((ACTSU_43 NE 'PATENT')&(ACTSU_42 NE 'PATENT')&(ACTSU_41 NE 'PATENT')
  &(SUACT_4 = PATENT2X)) ACTSU_44 ='PATENT'.
IF ((ACTSU_43 NE 'PURCHA')&(ACTSU_42 NE 'PURCHA')&(ACTSU_41 NE 'PURCHA')
  &(SUACT_4 = PURCHA2X)) ACTSU_44 ='PURCHA'.
*.
IF ((ACTSU_43 NE 'LEASE_')&(ACTSU_42 NE 'LEASE_')&(ACTSU_41 NE 'LEASE_')
  &(SUACT_4 = LEASE_2X)) ACTSU_44 ='LEASE_'.
IF ((ACTSU_43 NE 'DFNMKT')&(ACTSU_42 NE 'DFNMKT')&(ACTSU_41 NE 'DFNMKT')
  &(SUACT_4 = DFNMKT2X)) ACTSU_44 ='DFNMKT'.
IF ((ACTSU_43 NE 'FINPRJ')&(ACTSU_42 NE 'FINPRJ')&(ACTSU_41 NE 'FINPRJ')
  &(SUACT_4 = FINPRJ2X)) ACTSU_44 ='FINPRJ'.
IF ((ACTSU_43 NE 'ONINV1')&(ACTSU_42 NE 'ONINV1')&(ACTSU_41 NE 'ONINV1')
  &(SUACT_4 = ONINV2X1)) ACTSU_44 ='ONINV1'.
IF ((ACTSU_43 NE 'ASKFND')&(ACTSU_42 NE 'ASKFND')&(ACTSU_41 NE 'ASKFND')
  &(SUACT_4 = ASKFND2X)) ACTSU_44 ='ASKFND'.
*.
IF ((ACTSU_43 NE 'SUPCRD')&(ACTSU_42 NE 'SUPCRD')&(ACTSU_41 NE 'SUPCRD')
  &(SUACT_4 = SUPCRD2X)) ACTSU_44 ='SUPCRD'.
IF ((ACTSU_43 NE 'FTWK_1')&(ACTSU_42 NE 'FTWK_1')&(ACTSU_41 NE 'FTWK_1')
  &(SUACT_4 = FTWK_2X1)) ACTSU_44 ='FTWK_1'.
IF ((ACTSU_43 NE 'HIRE__')&(ACTSU_42 NE 'HIRE__')&(ACTSU_41 NE 'HIRE__')
  &(SUACT_4 = HIRE__2X)) ACTSU_44 ='HIRE__'.
IF ((ACTSU_43 NE 'BKACCT')&(ACTSU_42 NE 'BKACCT')&(ACTSU_41 NE 'BKACCT')
  &(SUACT_4 = BKACCT2X)) ACTSU_44 ='BKACCT'.
IF ((ACTSU_43 NE 'SALES_')&(ACTSU_42 NE 'SALES_')&(ACTSU_41 NE 'SALES_')
  &(SUACT_4 = SALES_2X)) ACTSU_44 ='SALES_'.
*.
IF ((ACTSU_43 NE 'CSHFL_')&(ACTSU_42 NE 'CSHFL_')&(ACTSU_41 NE 'CSHFL_')
  &(SUACT_4 = CSHFL_2X)) ACTSU_44 ='CSHFL_'.
IF ((ACTSU_43 NE 'PHLIST')&(ACTSU_42 NE 'PHLIST')&(ACTSU_41 NE 'PHLIST')
  &(SUACT_4 = PHLIST2X)) ACTSU_44 ='PHLIST'.
IF ((ACTSU_43 NE 'UNEMP_')&(ACTSU_42 NE 'UNEMP_')&(ACTSU_41 NE 'UNEMP_')

```

```

&(SUACT_4 = UNEMP_2X)) ACTSU_44 ='UNEMP_'.
IF ((ACTSU_43 NE 'FICA_')&(ACTSU_42 NE 'FICA_')&(ACTSU_41 NE 'FICA_')
&(SUACT_4 = FICA_2X)) ACTSU_44 ='FICA_'.
IF ((ACTSU_43 NE 'FEDTAX')&(ACTSU_42 NE 'FEDTAX')&(ACTSU_41 NE 'FEDTAX')
&(SUACT_4 = FEDTAX2X)) ACTSU_44 ='FEDTAX'.
*.
IF ((ACTSU_43 NE 'DANDB_')&(ACTSU_42 NE 'DANDB_')&(ACTSU_41 NE 'DANDB_')
&(SUACT_4 = DANDB_2X)) ACTSU_44 ='DANDB_'.
IF ((ACTSU_43 NE 'SPACE_')&(ACTSU_42 NE 'SPACE_')&(ACTSU_41 NE 'SPACE_')
&(SUACT_4 = SPACE_2X)) ACTSU_44 ='SPACE_'.
IF ((ACTSU_43 NE 'LEGAL_')&(ACTSU_42 NE 'LEGAL_')&(ACTSU_41 NE 'LEGAL_')
&(SUACT_4 = LEGAL_2X)) ACTSU_44 ='LEGAL_'.
IF ((ACTSU_43 NE 'LIABIS')&(ACTSU_42 NE 'LIABIS')&(ACTSU_41 NE 'LIABIS')
&(SUACT_4 = LIABIS2X)) ACTSU_44 ='LIABIS'.
IF ((ACTSU_43 NE 'PRTECH')&(ACTSU_42 NE 'PRTECH')&(ACTSU_41 NE 'PRTECH')
&(SUACT_4 = PRTECH2X)) ACTSU_44 ='PRTECH'.
*.
IF ((ACTSU_43 NE 'TLKCST')&(ACTSU_42 NE 'TLKCST')&(ACTSU_41 NE 'TLKCST')
&(SUACT_4 = TLKCST2X)) ACTSU_44 ='TLKCST'.
IF ((ACTSU_43 NE 'IFOCPT')&(ACTSU_42 NE 'IFOCPT')&(ACTSU_41 NE 'IFOCPT')
&(SUACT_4 = IFOCPT2X)) ACTSU_44 ='IFOCPT'.
IF ((ACTSU_43 NE 'FNDREG')&(ACTSU_42 NE 'FNDREG')&(ACTSU_41 NE 'FNDREG')
&(SUACT_4 = FNDREG2X)) ACTSU_44 ='FNDREG'.
IF ((ACTSU_43 NE 'GETFND')&(ACTSU_42 NE 'GETFND')&(ACTSU_41 NE 'GETFND')
&(SUACT_4 = GETFND2X)) ACTSU_44 ='GETFND'.
IF ((ACTSU_43 NE 'HRACCT')&(ACTSU_42 NE 'HRACCT')&(ACTSU_41 NE 'HRACCT')
&(SUACT_4 = HRACCT2X)) ACTSU_44 ='HRACCT'.
*.
IF ((ACTSU_43 NE 'HRLAWR')&(ACTSU_42 NE 'HRLAWR')&(ACTSU_41 NE 'HRLAWR')
&(SUACT_4 = HRLAWR2X)) ACTSU_44 ='HRLAWR'.
IF ((ACTSU_43 NE 'TDASOC')&(ACTSU_42 NE 'TDASOC')&(ACTSU_41 NE 'TDASOC')
&(SUACT_4 = TDASOC2X)) ACTSU_44 ='TDASOC'.
IF ((ACTSU_43 NE 'EIN___')&(ACTSU_42 NE 'EIN___')&(ACTSU_41 NE 'EIN___')
&(SUACT_4 = EIN___2X)) ACTSU_44 ='EIN___'.
IF ((ACTSU_43 NE 'DBA___')&(ACTSU_42 NE 'DBA___')&(ACTSU_41 NE 'DBA___')
&(SUACT_4 = DBA___2X)) ACTSU_44 ='DBA___'.
IF ((ACTSU_43 NE 'EQTAG1')&(ACTSU_42 NE 'EQTAG1')&(ACTSU_41 NE 'EQTAG1')
&(SUACT_4 = EQTAG2X1)) ACTSU_44 ='EQTAG1'.
*.
IF ((ACTSU_43 NE 'FINSPT')&(ACTSU_42 NE 'FINSPT')&(ACTSU_41 NE 'FINSPT')
&(SUACT_4 = FINSPT2X)) ACTSU_44 ='FINSPT'.
*.
EXECUTE.
*.
MISSING VALUES ACTSU_41 ('111111') ACTSU_42 ('222222') ACTSU_43 ('333333')
ACTSU_44 ('444444').
EXECUTE.
*.
FREQ VAR ACTSU_41 ACTSU_42 ACTSU_43 ACTSU_44/FORMAT = DFREQ/STAT ALL.
EXECUTE.
*=====
*.
COMPUTE SUACT_5 = 999995.
VARIABLE LABEL

```


SUACT_5 'FIFTH ACT IN START-UP SEQUENCE'.

.*

=====

.*

IF ((BUSPLN2X LT SUACT_5)&(BUSPLN2X GT SUACT_4)) SUACT_5 = BUSPLN2X.
IF ((MODEL_2X LT SUACT_5)&(MODEL_2X GT SUACT_4)) SUACT_5 = MODEL_2X.
IF ((PROMOT2X LT SUACT_5)&(PROMOT2X GT SUACT_4)) SUACT_5 = PROMOT2X.
IF ((PATENT2X LT SUACT_5)&(PATENT2X GT SUACT_4)) SUACT_5 = PATENT2X.
IF ((PURCHA2X LT SUACT_5)&(PURCHA2X GT SUACT_4)) SUACT_5 = PURCHA2X.

.*

IF ((LEASE_2X LT SUACT_5)&(LEASE_2X GT SUACT_4)) SUACT_5 = LEASE_2X.
IF ((DFNMKT2X LT SUACT_5)&(DFNMKT2X GT SUACT_4)) SUACT_5 = DFNMKT2X.
IF ((FINPRJ2X LT SUACT_5)&(FINPRJ2X GT SUACT_4)) SUACT_5 = FINPRJ2X.
IF ((ONINV2X1 LT SUACT_5)&(ONINV2X1 GT SUACT_4)) SUACT_5 = ONINV2X1.
IF ((ASKFND2X LT SUACT_5)&(ASKFND2X GT SUACT_4)) SUACT_5 = ASKFND2X.

.*

IF ((SUPCRD2X LT SUACT_5)&(SUPCRD2X GT SUACT_4)) SUACT_5 = SUPCRD2X.
IF ((FTWK_2X1 LT SUACT_5)&(FTWK_2X1 GT SUACT_4)) SUACT_5 = FTWK_2X1.
IF ((HIRE_2X LT SUACT_5)&(HIRE_2X GT SUACT_4)) SUACT_5 = HIRE_2X.
IF ((BKACCT2X LT SUACT_5)&(BKACCT2X GT SUACT_4)) SUACT_5 = BKACCT2X.
IF ((SALES_2X LT SUACT_5)&(SALES_2X GT SUACT_4)) SUACT_5 = SALES_2X.

.*

IF ((CSHFL_2X LT SUACT_5)&(CSHFL_2X GT SUACT_4)) SUACT_5 = CSHFL_2X.
IF ((PHLIST2X LT SUACT_5)&(PHLIST2X GT SUACT_4)) SUACT_5 = PHLIST2X.
IF ((UNEMP_2X LT SUACT_5)&(UNEMP_2X GT SUACT_4)) SUACT_5 = UNEMP_2X.
IF ((FICA_2X LT SUACT_5)&(FICA_2X GT SUACT_4)) SUACT_5 = FICA_2X.
IF ((FEDTAX2X LT SUACT_5)&(FEDTAX2X GT SUACT_4)) SUACT_5 = FEDTAX2X.

.*

IF ((DANDB_2X LT SUACT_5)&(DANDB_2X GT SUACT_4)) SUACT_5 = DANDB_2X.
IF ((SPACE_2X LT SUACT_5)&(SPACE_2X GT SUACT_4)) SUACT_5 = SPACE_2X.
IF ((LEGAL_2X LT SUACT_5)&(LEGAL_2X GT SUACT_4)) SUACT_5 = LEGAL_2X.
IF ((LIABIS2X LT SUACT_5)&(LIABIS2X GT SUACT_4)) SUACT_5 = LIABIS2X.
IF ((PRTECH2X LT SUACT_5)&(PRTECH2X GT SUACT_4)) SUACT_5 = PRTECH2X.

.*

IF ((TLKCST2X LT SUACT_5)&(TLKCST2X GT SUACT_4)) SUACT_5 = TLKCST2X.
IF ((IFOCPT2X LT SUACT_5)&(IFOCPT2X GT SUACT_4)) SUACT_5 = IFOCPT2X.
IF ((FNDREG2X LT SUACT_5)&(FNDREG2X GT SUACT_4)) SUACT_5 = FNDREG2X.
IF ((GETFND2X LT SUACT_5)&(GETFND2X GT SUACT_4)) SUACT_5 = GETFND2X.
IF ((HRACCT2X LT SUACT_5)&(HRACCT2X GT SUACT_4)) SUACT_5 = HRACCT2X.

.*

IF ((HRLAWR2X LT SUACT_5)&(HRLAWR2X GT SUACT_4)) SUACT_5 = HRLAWR2X.
IF ((TDASOC2X LT SUACT_5)&(TDASOC2X GT SUACT_4)) SUACT_5 = TDASOC2X.
IF ((EIN___2X LT SUACT_5)&(EIN___2X GT SUACT_4)) SUACT_5 = EIN___2X.
IF ((DBA___2X LT SUACT_5)&(DBA___2X GT SUACT_4)) SUACT_5 = DBA___2X.
IF ((EQTAG2X1 LT SUACT_5)&(EQTAG2X1 GT SUACT_4)) SUACT_5 = EQTAG2X1.

.*

IF ((FINSPT2X LT SUACT_5)&(FINSPT2X GT SUACT_4)) SUACT_5 = FINSPT2X.

.*

DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3 SUACT_4 SUACT_5.

.*

MISSING VALUES SUACT_5 (999995).

DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3 SUACT_4 SUACT_5.

.*

FREQ VAR SUACT_5/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.

*.
*=====
*.
* IDENTIFY ACTS FIFTH IN SEQUENCE.
*.
*=====

*.
STRING ACTSU_51 (A6).
STRING ACTSU_52 (A6).
STRING ACTSU_53 (A6).
STRING ACTSU_54 (A6).

VARIABLE LABEL
ACTSU_51 '5TH SU ACT IN SEQUENCE:NO 1/'
ACTSU_52 '5TH SU ACT IN SEQUENCE:NO 2/'
ACTSU_53 '5TH SU ACT IN SEQUENCE:NO 3/'
ACTSU_54 '5TH SU ACT IN SEQUENCE:NO 4'.

*.
VALUE LABELS ACTSU_51 ACTSU_52 ACTSU_53 ACTSU_54

'THINK_' 'SERIOUS THOUGHT'
'SPACE_' 'USE PHYSICAL SPACE'
'LEGAL_' 'LEGAL FORM REGIST'
'LIABIS' 'GOT LIAB INS'
'BUSPLN' 'BUSS PLAN INITIATED'
'MODEL_' 'MODEL INITIATED'
'PROMOT' 'PROMOT 4 PROD/SERV'
'PRTECH' 'DEVELOP PROPRIET TECH'
'PATENT' 'IPR'S INITIATED'
'LEASE_' 'PURC,LEASED CAPITAL ASSET'
'PURCHA' 'PURC,MATERIAL,SUPPL,INVENT'
'TLKCST' 'TALK TO CUSTOMERS'
'IFOCPT' 'COLLECT COMPETIR INFO'
'DFNMKT' 'DEFINING MARKETS'
'FINPRJ' 'FINANCIAL PROJ'S"
'FNDREG' 'REGULAT REQUIREMENTS'
'ASKFND' 'ASKED 4 FUNDING'
'GETFND' 'GOT FUNDING'
'SUPCRD' 'SUPPLIER CREDIT'
'HIRE__' 'PERSON HIRED'
'BKACCT' 'BUSS BANK ACCT'
'SALES_' 'INCOME RECEIVED'
'CSHFL_' 'MTHLY POSIT CASH FLOW'
'HRACCT' 'HIRED ACCOUNTANT'
'HRLAWR' 'HIRED LAWYER'
'TDASOC' 'TRADE ASSOC MBR'
'PHLIST' 'INTERNET/PHONE LIST'
'EIN___' 'FEDERAL EIN NUMBER'
'DBA___' 'FICTICIOUS (DBA) NAME'
'UNEMP_' 'ST UNEMPLOY INS'
'FICA__' 'FED FICA PAYMENT'
'FEDTAX' 'FED INCOME TAX'
'DANDB_' 'KNOW D&B LIST'
'ONINV1' 'OWN #1 INVESTED'
'EQTAG1' 'SIGN AGREE:OWN #1'
'FTWK_1' 'FT INVOL OWN#1'

'FINSPT' 'FINANCIAL SUPPORT'.

*.

COMPUTE ACTSU_51 = '111111'.

COMPUTE ACTSU_52 = '222222'.

COMPUTE ACTSU_53 = '333333'.

COMPUTE ACTSU_54 = '444444'.

*.

* IDENTIFY FIRST START-UP ACT.

*.

IF ((ACTSU_51='111111')&(SUACT_5 = BUSPLN2X)) ACTSU_51 = 'BUSPLN'.

IF ((ACTSU_51='111111')&(SUACT_5 = MODEL_2X)) ACTSU_51 = 'MODEL_'.

IF ((ACTSU_51='111111')&(SUACT_5 = PROMOT2X)) ACTSU_51 = 'PROMOT'.

IF ((ACTSU_51='111111')&(SUACT_5 = PATENT2X)) ACTSU_51 = 'PATENT'.

IF ((ACTSU_51='111111')&(SUACT_5 = PURCHA2X)) ACTSU_51 = 'PURCHA'.

*.

IF ((ACTSU_51='111111')&(SUACT_5 = LEASE_2X)) ACTSU_51 = 'LEASE_'.

IF ((ACTSU_51='111111')&(SUACT_5 = DFNMKT2X)) ACTSU_51 = 'DFNMKT'.

IF ((ACTSU_51='111111')&(SUACT_5 = FINPRJ2X)) ACTSU_51 = 'FINPRJ'.

IF ((ACTSU_51='111111')&(SUACT_5 = ONINV2X1)) ACTSU_51 = 'ONINV1'.

IF ((ACTSU_51='111111')&(SUACT_5 = ASKFND2X)) ACTSU_51 = 'ASKFND'.

*.

IF ((ACTSU_51='111111')&(SUACT_5 = SUPCRD2X)) ACTSU_51 = 'SUPCRD'.

IF ((ACTSU_51='111111')&(SUACT_5 = FTWK_2X1)) ACTSU_51 = 'FTWK_1'.

IF ((ACTSU_51='111111')&(SUACT_5 = HIRE__2X)) ACTSU_51 = 'HIRE_'.

IF ((ACTSU_51='111111')&(SUACT_5 = BKACCT2X)) ACTSU_51 = 'BKACCT'.

IF ((ACTSU_51='111111')&(SUACT_5 = SALES_2X)) ACTSU_51 = 'SALES_'.

*.

IF ((ACTSU_51='111111')&(SUACT_5 = CSHFL_2X)) ACTSU_51 = 'CSHFL_'.

IF ((ACTSU_51='111111')&(SUACT_5 = PHLIST2X)) ACTSU_51 = 'PHLIST'.

IF ((ACTSU_51='111111')&(SUACT_5 = UNEMP_2X)) ACTSU_51 = 'UNEMP_'.

IF ((ACTSU_51='111111')&(SUACT_5 = FICA__2X)) ACTSU_51 = 'FICA_'.

IF ((ACTSU_51='111111')&(SUACT_5 = FEDTAX2X)) ACTSU_51 = 'FEDTAX'.

*.

IF ((ACTSU_51='111111')&(SUACT_5 = DANDB_2X)) ACTSU_51 = 'DANDB_'.

IF ((ACTSU_51='111111')&(SUACT_5 = SPACE_2X)) ACTSU_51 = 'SPACE_'.

IF ((ACTSU_51='111111')&(SUACT_5 = LEGAL_2X)) ACTSU_51 = 'LEGAL_'.

IF ((ACTSU_51='111111')&(SUACT_5 = LIABIS2X)) ACTSU_51 = 'LIABIS'.

IF ((ACTSU_51='111111')&(SUACT_5 = PRTECH2X)) ACTSU_51 = 'PRTECH'.

*.

IF ((ACTSU_51='111111')&(SUACT_5 = TLKCST2X)) ACTSU_51 = 'TLKCST'.

IF ((ACTSU_51='111111')&(SUACT_5 = IFOCPT2X)) ACTSU_51 = 'IFOCPT'.

IF ((ACTSU_51='111111')&(SUACT_5 = FNDREG2X)) ACTSU_51 = 'FNDREG'.

IF ((ACTSU_51='111111')&(SUACT_5 = GETFND2X)) ACTSU_51 = 'GETFND'.

IF ((ACTSU_51='111111')&(SUACT_5 = HRACCT2X)) ACTSU_51 = 'HRACCT'.

*.

IF ((ACTSU_51='111111')&(SUACT_5 = HRLAWR2X)) ACTSU_51 = 'HRLAWR'.

IF ((ACTSU_51='111111')&(SUACT_5 = TDASOC2X)) ACTSU_51 = 'TDASOC'.

IF ((ACTSU_51='111111')&(SUACT_5 = EIN__2X)) ACTSU_51 = 'EIN__'.

IF ((ACTSU_51='111111')&(SUACT_5 = DBA__2X)) ACTSU_51 = 'DBA__'.

IF ((ACTSU_51='111111')&(SUACT_5 = EQTAG2X1)) ACTSU_51 = 'EQTAG1'.

*.

IF ((ACTSU_51='111111')&(SUACT_5 = FINSPT2X)) ACTSU_51 = 'FINSPT'.

*.

EXECUTE.


```

IF ((ACTSU_52='222222')&(ACTSU_51 NE 'LIABIS')&(SUACT_5 = LIABIS2X))
  ACTSU_52 ='LIABIS'.
IF ((ACTSU_52='222222')&(ACTSU_51 NE 'PRTECH')&(SUACT_5 = PRTECH2X))
  ACTSU_52 ='PRTECH'.
*.
IF ((ACTSU_52='222222')&(ACTSU_51 NE 'TLKCST')&(SUACT_5 = TLKCST2X))
  ACTSU_52 ='TLKCST'.
IF ((ACTSU_52='222222')&(ACTSU_51 NE 'IFOCPT')&(SUACT_5 = IFOCPT2X))
  ACTSU_52 ='IFOCPT'.
IF ((ACTSU_52='222222')&(ACTSU_51 NE 'FNDREG')&(SUACT_5 = FNDREG2X))
  ACTSU_52 ='FNDREG'.
IF ((ACTSU_52='222222')&(ACTSU_51 NE 'GETFND')&(SUACT_5 = GETFND2X))
  ACTSU_52 ='GETFND'.
IF ((ACTSU_52='222222')&(ACTSU_51 NE 'HRACCT')&(SUACT_5 = HRACCT2X))
  ACTSU_52 ='HRACCT'.
*.
IF ((ACTSU_52='222222')&(ACTSU_51 NE 'HRLAWR')&(SUACT_5 = HRLAWR2X))
  ACTSU_52 ='HRLAWR'.
IF ((ACTSU_52='222222')&(ACTSU_51 NE 'TDASOC')&(SUACT_5 = TDASOC2X))
  ACTSU_52 ='TDASOC'.
IF ((ACTSU_52='222222')&(ACTSU_51 NE 'EIN___')&(SUACT_5 = EIN___2X))
  ACTSU_52 ='EIN___'.
IF ((ACTSU_52='222222')&(ACTSU_51 NE 'DBA___')&(SUACT_5 = DBA___2X))
  ACTSU_52 ='DBA___'.
IF ((ACTSU_52='222222')&(ACTSU_51 NE 'EQTAG1')&(SUACT_5 = EQTAG2X1))
  ACTSU_52 ='EQTAG1'.
*.
IF ((ACTSU_52='222222')&(ACTSU_51 NE 'FINSPT')&(SUACT_5 = FINSPT2X))
  ACTSU_52 ='FINSPT'.
*.
EXECUTE.
*.
*   IDENTIFY THIRD SIMUTANEOUS START-UP ACT.
*.
*.
IF ((ACTSU_52 NE 'BUSPLN')&(ACTSU_51 NE 'BUSPLN')&(SUACT_5 = BUSPLN2X))
  ACTSU_53 ='BUSPLN'.
IF ((ACTSU_52 NE 'MODEL_')&(ACTSU_51 NE 'MODEL_')&(SUACT_5 = MODEL_2X))
  ACTSU_53 ='MODEL_'.
IF ((ACTSU_52 NE 'PROMOT')&(ACTSU_51 NE 'PROMOT')&(SUACT_5 = PROMOT2X))
  ACTSU_53 ='PROMOT'.
IF ((ACTSU_52 NE 'PATENT')&(ACTSU_51 NE 'PATENT')&(SUACT_5 = PATENT2X))
  ACTSU_53 ='PATENT'.
IF ((ACTSU_52 NE 'PURCHA')&(ACTSU_51 NE 'PURCHA')&(SUACT_5 = PURCHA2X))
  ACTSU_53 ='PURCHA'.
*.
IF ((ACTSU_52 NE 'LEASE_')&(ACTSU_51 NE 'LEASE_')&(SUACT_5 = LEASE_2X))
  ACTSU_53 ='LEASE_'.
IF ((ACTSU_52 NE 'DFNMKT')&(ACTSU_51 NE 'DFNMKT')&(SUACT_5 = DFNMKT2X))
  ACTSU_53 ='DFNMKT'.
IF ((ACTSU_52 NE 'FINPRJ')&(ACTSU_51 NE 'FINPRJ')&(SUACT_5 = FINPRJ2X))
  ACTSU_53 ='FINPRJ'.
IF ((ACTSU_52 NE 'ONINV1')&(ACTSU_51 NE 'ONINV1')&(SUACT_5 = ONINV2X1))
  ACTSU_53 ='ONINV1'.

```

IF ((ACTSU_52 NE 'ASKFND')&(ACTSU_51 NE 'ASKFND')&(SUACT_5 = ASKFND2X))
 ACTSU_53 ='ASKFND'.
 *.
 IF ((ACTSU_52 NE 'SUPCRD')&(ACTSU_51 NE 'SUPCRD')&(SUACT_5 = SUPCRD2X))
 ACTSU_53 ='SUPCRD'.
 IF ((ACTSU_52 NE 'FTWK_1')&(ACTSU_51 NE 'FTWK_1')&(SUACT_5 = FTWK_2X1))
 ACTSU_53 ='FTWK_1'.
 IF ((ACTSU_52 NE 'HIRE__')&(ACTSU_51 NE 'HIRE__')&(SUACT_5 = HIRE__2X))
 ACTSU_53 ='HIRE__'.
 IF ((ACTSU_52 NE 'BKACCT')&(ACTSU_51 NE 'BKACCT')&(SUACT_5 = BKACCT2X))
 ACTSU_53 ='BKACCT'.
 IF ((ACTSU_52 NE 'SALES_')&(ACTSU_51 NE 'SALES_')&(SUACT_5 = SALES_2X))
 ACTSU_53 ='SALES_'.
 *.
 IF ((ACTSU_52 NE 'CSHFL_')&(ACTSU_51 NE 'CSHFL_')&(SUACT_5 = CSHFL_2X))
 ACTSU_53 ='CSHFL_'.
 IF ((ACTSU_52 NE 'PHLIST')&(ACTSU_51 NE 'PHLIST')&(SUACT_5 = PHLIST2X))
 ACTSU_53 ='PHLIST'.
 IF ((ACTSU_52 NE 'UNEMP_')&(ACTSU_51 NE 'UNEMP_')&(SUACT_5 = UNEMP_2X))
 ACTSU_53 ='UNEMP_'.
 IF ((ACTSU_52 NE 'FICA__')&(ACTSU_51 NE 'FICA__')&(SUACT_5 = FICA__2X))
 ACTSU_53 ='FICA__'.
 IF ((ACTSU_52 NE 'FEDTAX')&(ACTSU_51 NE 'FEDTAX')&(SUACT_5 = FEDTAX2X))
 ACTSU_53 ='FEDTAX'.
 *.
 IF ((ACTSU_52 NE 'DANDB_')&(ACTSU_51 NE 'DANDB_')&(SUACT_5 = DANDB_2X))
 ACTSU_53 ='DANDB_'.
 IF ((ACTSU_52 NE 'SPACE_')&(ACTSU_51 NE 'SPACE_')&(SUACT_5 = SPACE_2X))
 ACTSU_53 ='SPACE_'.
 IF ((ACTSU_52 NE 'LEGAL_')&(ACTSU_51 NE 'LEGAL_')&(SUACT_5 = LEGAL_2X))
 ACTSU_53 ='LEGAL_'.
 IF ((ACTSU_52 NE 'LIABIS')&(ACTSU_51 NE 'LIABIS')&(SUACT_5 = LIABIS2X))
 ACTSU_53 ='LIABIS'.
 IF ((ACTSU_52 NE 'PRTECH')&(ACTSU_51 NE 'PRTECH')&(SUACT_5 = PRTECH2X))
 ACTSU_53 ='PRTECH'.
 *.
 IF ((ACTSU_52 NE 'TLKCST')&(ACTSU_51 NE 'TLKCST')&(SUACT_5 = TLKCST2X))
 ACTSU_53 ='TLKCST'.
 IF ((ACTSU_52 NE 'IFOCPT')&(ACTSU_51 NE 'IFOCPT')&(SUACT_5 = IFOCPT2X))
 ACTSU_53 ='IFOCPT'.
 IF ((ACTSU_52 NE 'FNDREG')&(ACTSU_51 NE 'FNDREG')&(SUACT_5 = FNDREG2X))
 ACTSU_53 ='FNDREG'.
 IF ((ACTSU_52 NE 'GETFND')&(ACTSU_51 NE 'GETFND')&(SUACT_5 = GETFND2X))
 ACTSU_53 ='GETFND'.
 IF ((ACTSU_52 NE 'HRACCT')&(ACTSU_51 NE 'HRACCT')&(SUACT_5 = HRACCT2X))
 ACTSU_53 ='HRACCT'.
 *.
 IF ((ACTSU_52 NE 'HRLAWR')&(ACTSU_51 NE 'HRLAWR')&(SUACT_5 = HRLAWR2X))
 ACTSU_53 ='HRLAWR'.
 IF ((ACTSU_52 NE 'TDASOC')&(ACTSU_51 NE 'TDASOC')&(SUACT_5 = TDASOC2X))
 ACTSU_53 ='TDASOC'.
 IF ((ACTSU_52 NE 'EIN__')&(ACTSU_51 NE 'EIN__')&(SUACT_5 = EIN__2X))
 ACTSU_53 ='EIN__'.
 IF ((ACTSU_52 NE 'DBA__')&(ACTSU_51 NE 'DBA__')&(SUACT_5 = DBA__2X))

```

ACTSU_53 ='DBA___'.
IF ((ACTSU_52 NE 'EQTAG1')&(ACTSU_51 NE 'EQTAG1')&(SUACTION_5 = EQTAG2X1))
  ACTSU_53 ='EQTAG1'.
*.
IF ((ACTSU_52 NE 'FINSPT')&(ACTSU_51 NE 'FINSPT')&(SUACTION_5 = FINSPT2X))
  ACTSU_53 ='FINSPT'.
*.
EXECUTE.
*.
*   IDENTIFY FOURTH SIMULTANEOUS START-UP ACT.
*.
IF ((ACTSU_53 NE 'BUSPLN')&(ACTSU_52 NE 'BUSPLN')&(ACTSU_51 NE 'BUSPLN')
  &(SUACTION_5 = BUSPLN2X)) ACTSU_54 ='BUSPLN'.
IF ((ACTSU_53 NE 'MODEL_')&(ACTSU_52 NE 'MODEL_')&(ACTSU_51 NE 'MODEL_')
  &(SUACTION_5 = MODEL_2X)) ACTSU_54 ='MODEL_'.
IF ((ACTSU_53 NE 'PROMOT')&(ACTSU_52 NE 'PROMOT')&(ACTSU_51 NE 'PROMOT')
  &(SUACTION_5 = PROMOT2X)) ACTSU_54 ='PROMOT'.
IF ((ACTSU_53 NE 'PATENT')&(ACTSU_52 NE 'PATENT')&(ACTSU_51 NE 'PATENT')
  &(SUACTION_5 = PATENT2X)) ACTSU_54 ='PATENT'.
IF ((ACTSU_53 NE 'PURCHA')&(ACTSU_52 NE 'PURCHA')&(ACTSU_51 NE 'PURCHA')
  &(SUACTION_5 = PURCHA2X)) ACTSU_54 ='PURCHA'.
*.
IF ((ACTSU_53 NE 'LEASE_')&(ACTSU_52 NE 'LEASE_')&(ACTSU_51 NE 'LEASE_')
  &(SUACTION_5 = LEASE_2X)) ACTSU_54 ='LEASE_'.
IF ((ACTSU_53 NE 'DFNMKT')&(ACTSU_52 NE 'DFNMKT')&(ACTSU_51 NE 'DFNMKT')
  &(SUACTION_5 = DFNMKT2X)) ACTSU_54 ='DFNMKT'.
IF ((ACTSU_53 NE 'FINPRJ')&(ACTSU_52 NE 'FINPRJ')&(ACTSU_51 NE 'FINPRJ')
  &(SUACTION_5 = FINPRJ2X)) ACTSU_54 ='FINPRJ'.
IF ((ACTSU_53 NE 'ONINV1')&(ACTSU_52 NE 'ONINV1')&(ACTSU_51 NE 'ONINV1')
  &(SUACTION_5 = ONINV2X1)) ACTSU_54 ='ONINV1'.
IF ((ACTSU_53 NE 'ASKFND')&(ACTSU_52 NE 'ASKFND')&(ACTSU_51 NE 'ASKFND')
  &(SUACTION_5 = ASKFND2X)) ACTSU_54 ='ASKFND'.
*.
IF ((ACTSU_53 NE 'SUPCRD')&(ACTSU_52 NE 'SUPCRD')&(ACTSU_51 NE 'SUPCRD')
  &(SUACTION_5 = SUPCRD2X)) ACTSU_54 ='SUPCRD'.
IF ((ACTSU_53 NE 'FTWK_1')&(ACTSU_52 NE 'FTWK_1')&(ACTSU_51 NE 'FTWK_1')
  &(SUACTION_5 = FTWK_2X1)) ACTSU_54 ='FTWK_1'.
IF ((ACTSU_53 NE 'HIRE__')&(ACTSU_52 NE 'HIRE__')&(ACTSU_51 NE 'HIRE__')
  &(SUACTION_5 = HIRE__2X)) ACTSU_54 ='HIRE__'.
IF ((ACTSU_53 NE 'BKACCT')&(ACTSU_52 NE 'BKACCT')&(ACTSU_51 NE 'BKACCT')
  &(SUACTION_5 = BKACCT2X)) ACTSU_54 ='BKACCT'.
IF ((ACTSU_53 NE 'SALES_')&(ACTSU_52 NE 'SALES_')&(ACTSU_51 NE 'SALES_')
  &(SUACTION_5 = SALES_2X)) ACTSU_54 ='SALES_'.
*.
IF ((ACTSU_53 NE 'CSHFL_')&(ACTSU_52 NE 'CSHFL_')&(ACTSU_51 NE 'CSHFL_')
  &(SUACTION_5 = CSHFL_2X)) ACTSU_54 ='CSHFL_'.
IF ((ACTSU_53 NE 'PHLIST')&(ACTSU_52 NE 'PHLIST')&(ACTSU_51 NE 'PHLIST')
  &(SUACTION_5 = PHLIST2X)) ACTSU_54 ='PHLIST'.
IF ((ACTSU_53 NE 'UNEMP_')&(ACTSU_52 NE 'UNEMP_')&(ACTSU_51 NE 'UNEMP_')
  &(SUACTION_5 = UNEMP_2X)) ACTSU_54 ='UNEMP_'.
IF ((ACTSU_53 NE 'FICA__')&(ACTSU_52 NE 'FICA__')&(ACTSU_51 NE 'FICA__')
  &(SUACTION_5 = FICA__2X)) ACTSU_54 ='FICA__'.
IF ((ACTSU_53 NE 'FEDTAX')&(ACTSU_52 NE 'FEDTAX')&(ACTSU_51 NE 'FEDTAX')
  &(SUACTION_5 = FEDTAX2X)) ACTSU_54 ='FEDTAX'.

```

```

*.
IF ((ACTSU_53 NE 'DANDB_')&(ACTSU_52 NE 'DANDB_')&(ACTSU_51 NE 'DANDB_')
    &(SUACT_5 = DANDB_2X)) ACTSU_54 ='DANDB_'.
IF ((ACTSU_53 NE 'SPACE_')&(ACTSU_52 NE 'SPACE_')&(ACTSU_51 NE 'SPACE_')
    &(SUACT_5 = SPACE_2X)) ACTSU_54 ='SPACE_'.
IF ((ACTSU_53 NE 'LEGAL_')&(ACTSU_52 NE 'LEGAL_')&(ACTSU_51 NE 'LEGAL_')
    &(SUACT_5 = LEGAL_2X)) ACTSU_54 ='LEGAL_'.
IF ((ACTSU_53 NE 'LIABIS')&(ACTSU_52 NE 'LIABIS')&(ACTSU_51 NE 'LIABIS')
    &(SUACT_5 = LIABIS2X)) ACTSU_54 ='LIABIS'.
IF ((ACTSU_53 NE 'PRTECH')&(ACTSU_52 NE 'PRTECH')&(ACTSU_51 NE 'PRTECH')
    &(SUACT_5 = PRTECH2X)) ACTSU_54 ='PRTECH'.
*.
IF ((ACTSU_53 NE 'TLKCST')&(ACTSU_52 NE 'TLKCST')&(ACTSU_51 NE 'TLKCST')
    &(SUACT_5 = TLKCST2X)) ACTSU_54 ='TLKCST'.
IF ((ACTSU_53 NE 'IFOCPT')&(ACTSU_52 NE 'IFOCPT')&(ACTSU_51 NE 'IFOCPT')
    &(SUACT_5 = IFOCPT2X)) ACTSU_54 ='IFOCPT'.
IF ((ACTSU_53 NE 'FNDREG')&(ACTSU_52 NE 'FNDREG')&(ACTSU_51 NE 'FNDREG')
    &(SUACT_5 = FNDREG2X)) ACTSU_54 ='FNDREG'.
IF ((ACTSU_53 NE 'GETFND')&(ACTSU_52 NE 'GETFND')&(ACTSU_51 NE 'GETFND')
    &(SUACT_5 = GETFND2X)) ACTSU_54 ='GETFND'.
IF ((ACTSU_53 NE 'HRACCT')&(ACTSU_52 NE 'HRACCT')&(ACTSU_51 NE 'HRACCT')
    &(SUACT_5 = HRACCT2X)) ACTSU_54 ='HRACCT'.
*.
IF ((ACTSU_53 NE 'HRLAWR')&(ACTSU_52 NE 'HRLAWR')&(ACTSU_51 NE 'HRLAWR')
    &(SUACT_5 = HRLAWR2X)) ACTSU_54 ='HRLAWR'.
IF ((ACTSU_53 NE 'TDASOC')&(ACTSU_52 NE 'TDASOC')&(ACTSU_51 NE 'TDASOC')
    &(SUACT_5 = TDASOC2X)) ACTSU_54 ='TDASOC'.
IF ((ACTSU_53 NE 'EIN___')&(ACTSU_52 NE 'EIN___')&(ACTSU_51 NE 'EIN___')
    &(SUACT_5 = EIN___2X)) ACTSU_54 ='EIN___'.
IF ((ACTSU_53 NE 'DBA___')&(ACTSU_52 NE 'DBA___')&(ACTSU_51 NE 'DBA___')
    &(SUACT_5 = DBA___2X)) ACTSU_54 ='DBA___'.
IF ((ACTSU_53 NE 'EQTAG1')&(ACTSU_52 NE 'EQTAG1')&(ACTSU_51 NE 'EQTAG1')
    &(SUACT_5 = EQTAG2X1)) ACTSU_54 ='EQTAG1'.
*.
IF ((ACTSU_53 NE 'FINSPT')&(ACTSU_52 NE 'FINSPT')&(ACTSU_51 NE 'FINSPT')
    &(SUACT_5 = FINSPT2X)) ACTSU_54 ='FINSPT'.
*.
EXECUTE.
*.
MISSING VALUES ACTSU_51 ('111111') ACTSU_52 ('222222') ACTSU_53 ('333333')
    ACTSU_54 ('444444').
EXECUTE.
*.
FREQ VAR ACTSU_51 ACTSU_52 ACTSU_53 ACTSU_54/FORMAT = DFREQ/STAT ALL.
EXECUTE.
*=====
*.
COMPUTE      SUACT_6 = 999994.
VARIABLE LABEL
    SUACT_6      'SIXTH ACT IN START-UP SEQUENCE'.
*.
*=====
*.
IF ((BUSPLN2X LT SUACT_6)&(BUSPLN2X GT SUACT_5)) SUACT_6 = BUSPLN2X.

```



```

IF ((MODEL_2X LT SUACT_6)&(MODEL_2X GT SUACT_5)) SUACT_6 = MODEL_2X.
IF ((PROMOT2X LT SUACT_6)&(PROMOT2X GT SUACT_5)) SUACT_6 = PROMOT2X.
IF ((PATENT2X LT SUACT_6)&(PATENT2X GT SUACT_5)) SUACT_6 = PATENT2X.
IF ((PURCHA2X LT SUACT_6)&(PURCHA2X GT SUACT_5)) SUACT_6 = PURCHA2X.
*.
IF ((LEASE_2X LT SUACT_6)&(LEASE_2X GT SUACT_5)) SUACT_6 = LEASE_2X.
IF ((DFNMKT2X LT SUACT_6)&(DFNMKT2X GT SUACT_5)) SUACT_6 = DFNMKT2X.
IF ((FINPRJ2X LT SUACT_6)&(FINPRJ2X GT SUACT_5)) SUACT_6 = FINPRJ2X.
IF ((ONINV2X1 LT SUACT_6)&(ONINV2X1 GT SUACT_5)) SUACT_6 = ONINV2X1.
IF ((ASKFND2X LT SUACT_6)&(ASKFND2X GT SUACT_5)) SUACT_6 = ASKFND2X.
*.
IF ((SUPCRD2X LT SUACT_6)&(SUPCRD2X GT SUACT_5)) SUACT_6 = SUPCRD2X.
IF ((FTWK_2X1 LT SUACT_6)&(FTWK_2X1 GT SUACT_5)) SUACT_6 = FTWK_2X1.
IF ((HIRE__2X LT SUACT_6)&(HIRE__2X GT SUACT_5)) SUACT_6 = HIRE__2X.
IF ((BKACCT2X LT SUACT_6)&(BKACCT2X GT SUACT_5)) SUACT_6 = BKACCT2X.
IF ((SALES_2X LT SUACT_6)&(SALES_2X GT SUACT_5)) SUACT_6 = SALES_2X.
*.
IF ((CSHFL_2X LT SUACT_6)&(CSHFL_2X GT SUACT_5)) SUACT_6 = CSHFL_2X.
IF ((PHLIST2X LT SUACT_6)&(PHLIST2X GT SUACT_5)) SUACT_6 = PHLIST2X.
IF ((UNEMP_2X LT SUACT_6)&(UNEMP_2X GT SUACT_5)) SUACT_6 = UNEMP_2X.
IF ((FICA__2X LT SUACT_6)&(FICA__2X GT SUACT_5)) SUACT_6 = FICA__2X.
IF ((FEDTAX2X LT SUACT_6)&(FEDTAX2X GT SUACT_5)) SUACT_6 = FEDTAX2X.
*.
IF ((DANDB_2X LT SUACT_6)&(DANDB_2X GT SUACT_5)) SUACT_6 = DANDB_2X.
IF ((SPACE_2X LT SUACT_6)&(SPACE_2X GT SUACT_5)) SUACT_6 = SPACE_2X.
IF ((LEGAL_2X LT SUACT_6)&(LEGAL_2X GT SUACT_5)) SUACT_6 = LEGAL_2X.
IF ((LIABIS2X LT SUACT_6)&(LIABIS2X GT SUACT_5)) SUACT_6 = LIABIS2X.
IF ((PRTECH2X LT SUACT_6)&(PRTECH2X GT SUACT_5)) SUACT_6 = PRTECH2X.
*.
IF ((TLKCST2X LT SUACT_6)&(TLKCST2X GT SUACT_5)) SUACT_6 = TLKCST2X.
IF ((IFOCPT2X LT SUACT_6)&(IFOCPT2X GT SUACT_5)) SUACT_6 = IFOCPT2X.
IF ((FNDREG2X LT SUACT_6)&(FNDREG2X GT SUACT_5)) SUACT_6 = FNDREG2X.
IF ((GETFND2X LT SUACT_6)&(GETFND2X GT SUACT_5)) SUACT_6 = GETFND2X.
IF ((HRACCT2X LT SUACT_6)&(HRACCT2X GT SUACT_5)) SUACT_6 = HRACCT2X.
*.
IF ((HRLAWR2X LT SUACT_6)&(HRLAWR2X GT SUACT_5)) SUACT_6 = HRLAWR2X.
IF ((TDASOC2X LT SUACT_6)&(TDASOC2X GT SUACT_5)) SUACT_6 = TDASOC2X.
IF ((EIN__2X LT SUACT_6)&(EIN__2X GT SUACT_5)) SUACT_6 = EIN__2X.
IF ((DBA__2X LT SUACT_6)&(DBA__2X GT SUACT_5)) SUACT_6 = DBA__2X.
IF ((EQTAG2X1 LT SUACT_6)&(EQTAG2X1 GT SUACT_5)) SUACT_6 = EQTAG2X1.
*.
IF ((FINSPT2X LT SUACT_6)&(FINSPT2X GT SUACT_5)) SUACT_6 = FINSPT2X.
*.
DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3 SUACT_4 SUACT_5 SUACT_6.
*.
MISSING VALUES SUACT_6 (999994).
DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3 SUACT_4 SUACT_5 SUACT_6.
*.
FREQ VAR SUACT_6/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.
*.
*-----.
*.
* IDENTIFY ACTS SIXTH IN SEQUENCE.
*.

```

*=====

*.

STRING ACTSU_61 (A6).
STRING ACTSU_62 (A6).
STRING ACTSU_63 (A6).
STRING ACTSU_64 (A6).

VARIABLE LABEL

ACTSU_61 '6TH SU ACT IN SEQUENCE:NO 1/'
ACTSU_62 '6TH SU ACT IN SEQUENCE:NO 2/'
ACTSU_63 '6TH SU ACT IN SEQUENCE:NO 3/'
ACTSU_64 '6TH SU ACT IN SEQUENCE:NO 4'.

*.

VALUE LABELS ACTSU_61 ACTSU_62 ACTSU_63 ACTSU_64

'THINK_' 'SERIOUS THOUGHT'
'SPACE_' 'USE PHYSICAL SPACE'
'LEGAL_' 'LEGAL FORM REGIST'
'LIABIS' 'GOT LIAB INS'
'BUSPLN' 'BUSS PLAN INITIATED'
'MODEL_' 'MODEL INITIATED'
'PROMOT' 'PROMOT 4 PROD/SERV'
'PRTECH' 'DEVELOP PROPRIET TECH'
'PATENT' 'IPR'S INITIATED'
'LEASE_' 'PURC,LEASED CAPITAL ASSET'
'PURCHA' 'PURC,MATERIAL,SUPPL,INVENT'
'TLKCST' 'TALK TO CUSTOMERS'
'IFOCPT' 'COLLECT COMPETIR INFO'
'DFNMKT' 'DEFINING MARKETS'
'FINPRJ' 'FINANCIAL PROJ'S'
'FNDREG' 'REGULAT REQUIREMENTS'
'ASKFND' 'ASKED 4 FUNDING'
'GETFND' 'GOT FUNDING'
'SUPCRD' 'SUPPLIER CREDIT'
'HIRE__' 'PERSON HIRED'
'BKACCT' 'BUSS BANK ACCT'
'SALES_' 'INCOME RECEIVED'
'CSHFL_' 'MTHLY POSIT CASH FLOW'
'HRACCT' 'HIRED ACCOUNTANT'
'HRLAWR' 'HIRED LAWYER'
'TDASOC' 'TRADE ASSOC MBR'
'PHLIST' 'INTERNET/PHONE LIST'
'EIN__' 'FEDERAL EIN NUMBER'
'DBA__' 'FICTICIOUS (DBA) NAME'
'UNEMP_' 'ST UNEMPLOY INS'
'FICA_' 'FED FICA PAYMENT'
'FEDTAX' 'FED INCOME TAX'
'DANDB_' 'KNOW D&B LIST'
'ONINV1' 'OWN #1 INVESTED'
'EQTAG1' 'SIGN AGREE:OWN #1'
'FTWK_1' 'FT INVOL OWN#1'
'FINSPT' 'FINANCIAL SUPPORT'.

*.

COMPUTE ACTSU_61 = '111111'.
COMPUTE ACTSU_62 = '222222'.
COMPUTE ACTSU_63 = '333333'.

COMPUTE ACTSU_64 = '444444'.

*.
* IDENTIFY FIRST START-UP ACT.
*.

IF ((ACTSU_61='111111')&(SUACTION_6 = BUSPLN2X)) ACTSU_61 = 'BUSPLN'.
IF ((ACTSU_61='111111')&(SUACTION_6 = MODEL_2X)) ACTSU_61 = 'MODEL_'.
IF ((ACTSU_61='111111')&(SUACTION_6 = PROMOT2X)) ACTSU_61 = 'PROMOT'.
IF ((ACTSU_61='111111')&(SUACTION_6 = PATENT2X)) ACTSU_61 = 'PATENT'.
IF ((ACTSU_61='111111')&(SUACTION_6 = PURCHA2X)) ACTSU_61 = 'PURCHA'.

*.
IF ((ACTSU_61='111111')&(SUACTION_6 = LEASE_2X)) ACTSU_61 = 'LEASE_'.
IF ((ACTSU_61='111111')&(SUACTION_6 = DFNMKT2X)) ACTSU_61 = 'DFNMKT'.
IF ((ACTSU_61='111111')&(SUACTION_6 = FINPRJ2X)) ACTSU_61 = 'FINPRJ'.
IF ((ACTSU_61='111111')&(SUACTION_6 = ONINV2X1)) ACTSU_61 = 'ONINV1'.
IF ((ACTSU_61='111111')&(SUACTION_6 = ASKFND2X)) ACTSU_61 = 'ASKFND'.

*.
IF ((ACTSU_61='111111')&(SUACTION_6 = SUPCRD2X)) ACTSU_61 = 'SUPCRD'.
IF ((ACTSU_61='111111')&(SUACTION_6 = FTWK_2X1)) ACTSU_61 = 'FTWK_1'.
IF ((ACTSU_61='111111')&(SUACTION_6 = HIRE__2X)) ACTSU_61 = 'HIRE_'.
IF ((ACTSU_61='111111')&(SUACTION_6 = BKACCT2X)) ACTSU_61 = 'BKACCT'.
IF ((ACTSU_61='111111')&(SUACTION_6 = SALES_2X)) ACTSU_61 = 'SALES_'.

*.
IF ((ACTSU_61='111111')&(SUACTION_6 = CSHFL_2X)) ACTSU_61 = 'CSHFL_'.
IF ((ACTSU_61='111111')&(SUACTION_6 = PHLIST2X)) ACTSU_61 = 'PHLIST'.
IF ((ACTSU_61='111111')&(SUACTION_6 = UNEMP_2X)) ACTSU_61 = 'UNEMP_'.
IF ((ACTSU_61='111111')&(SUACTION_6 = FICA__2X)) ACTSU_61 = 'FICA_'.
IF ((ACTSU_61='111111')&(SUACTION_6 = FEDTAX2X)) ACTSU_61 = 'FEDTAX'.

*.
IF ((ACTSU_61='111111')&(SUACTION_6 = DANDB_2X)) ACTSU_61 = 'DANDB_'.
IF ((ACTSU_61='111111')&(SUACTION_6 = SPACE_2X)) ACTSU_61 = 'SPACE_'.
IF ((ACTSU_61='111111')&(SUACTION_6 = LEGAL_2X)) ACTSU_61 = 'LEGAL_'.
IF ((ACTSU_61='111111')&(SUACTION_6 = LIABIS2X)) ACTSU_61 = 'LIABIS'.
IF ((ACTSU_61='111111')&(SUACTION_6 = PRTECH2X)) ACTSU_61 = 'PRTECH'.

*.
IF ((ACTSU_61='111111')&(SUACTION_6 = TLKCST2X)) ACTSU_61 = 'TLKCST'.
IF ((ACTSU_61='111111')&(SUACTION_6 = IFOCPT2X)) ACTSU_61 = 'IFOCPT'.
IF ((ACTSU_61='111111')&(SUACTION_6 = FNDREG2X)) ACTSU_61 = 'FNDREG'.
IF ((ACTSU_61='111111')&(SUACTION_6 = GETFND2X)) ACTSU_61 = 'GETFND'.
IF ((ACTSU_61='111111')&(SUACTION_6 = HRACCT2X)) ACTSU_61 = 'HRACCT'.

*.
IF ((ACTSU_61='111111')&(SUACTION_6 = HRLAWR2X)) ACTSU_61 = 'HRLAWR'.
IF ((ACTSU_61='111111')&(SUACTION_6 = TDASOC2X)) ACTSU_61 = 'TDASOC'.
IF ((ACTSU_61='111111')&(SUACTION_6 = EIN__2X)) ACTSU_61 = 'EIN__'.
IF ((ACTSU_61='111111')&(SUACTION_6 = DBA__2X)) ACTSU_61 = 'DBA__'.
IF ((ACTSU_61='111111')&(SUACTION_6 = EQTAG2X1)) ACTSU_61 = 'EQTAG1'.

*.
IF ((ACTSU_61='111111')&(SUACTION_6 = FINSPT2X)) ACTSU_61 = 'FINSPT'.
*.

EXECUTE.
*.
*.

* IDENTIFY SECOND SIMUTANEOUS START-UP ACT.
*.

IF ((ACTSU_62='222222')&(ACTSU_61 NE 'BUSPLN')&(SUACTION_6 = BUSPLN2X))

```

ACTSU_62 ='BUSPLN'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'MODEL_')&(SUACT_6 = MODEL_2X))
  ACTSU_62 ='MODEL_'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'PROMOT')&(SUACT_6 = PROMOT2X))
  ACTSU_62 ='PROMOT'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'PATENT')&(SUACT_6 = PATENT2X))
  ACTSU_62 ='PATENT'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'PURCHA')&(SUACT_6 = PURCHA2X))
  ACTSU_62 ='PURCHA'.
*.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'LEASE_')&(SUACT_6 = LEASE_2X))
  ACTSU_62 ='LEASE_'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'DFNMKT')&(SUACT_6 = DFNMKT2X))
  ACTSU_62 ='DFNMKT'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'FINPRJ')&(SUACT_6 = FINPRJ2X))
  ACTSU_62 ='FINPRJ'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'ONINV1')&(SUACT_6 = ONINV2X1))
  ACTSU_62 ='ONINV1'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'ASKFND')&(SUACT_6 = ASKFND2X))
  ACTSU_62 ='ASKFND'.
*.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'SUPCRD')&(SUACT_6 = SUPCRD2X))
  ACTSU_62 ='SUPCRD'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'FTWK_1')&(SUACT_6 = FTWK_2X1))
  ACTSU_62 ='FTWK_1'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'HIRE__')&(SUACT_6 = HIRE__2X))
  ACTSU_62 ='HIRE__'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'BKACCT')&(SUACT_6 = BKACCT2X))
  ACTSU_62 ='BKACCT'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'SALES_')&(SUACT_6 = SALES_2X))
  ACTSU_62 ='SALES_'.
*.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'CSHFL_')&(SUACT_6 = CSHFL_2X))
  ACTSU_62 ='CSHFL_'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'PHLIST')&(SUACT_6 = PHLIST2X))
  ACTSU_62 ='PHLIST'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'UNEMP_')&(SUACT_6 = UNEMP_2X))
  ACTSU_62 ='UNEMP_'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'FICA_')&(SUACT_6 = FICA__2X))
  ACTSU_62 ='FICA__'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'FEDTAX')&(SUACT_6 = FEDTAX2X))
  ACTSU_62 ='FEDTAX'.
*.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'DANDB_')&(SUACT_6 = DANDB_2X))
  ACTSU_62 ='DANDB_'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'SPACE_')&(SUACT_6 = SPACE_2X))
  ACTSU_62 ='SPACE_'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'LEGAL_')&(SUACT_6 = LEGAL_2X))
  ACTSU_62 ='LEGAL_'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'LIABIS')&(SUACT_6 = LIABIS2X))
  ACTSU_62 ='LIABIS'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'PRTECH')&(SUACT_6 = PRTECH2X))
  ACTSU_62 ='PRTECH'.
*.

```

```

IF ((ACTSU_62='222222')&(ACTSU_61 NE 'TLKCST')&(SUACT_6 = TLKCST2X))
  ACTSU_62 ='TLKCST'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'IFOCPT')&(SUACT_6 = IFOCPT2X))
  ACTSU_62 ='IFOCPT'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'FNDREG')&(SUACT_6 = FNDREG2X))
  ACTSU_62 ='FNDREG'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'GETFND')&(SUACT_6 = GETFND2X))
  ACTSU_62 ='GETFND'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'HRACCT')&(SUACT_6 = HRACCT2X))
  ACTSU_62 ='HRACCT'.
*.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'HRLAWR')&(SUACT_6 = HRLAWR2X))
  ACTSU_62 ='HRLAWR'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'TDASOC')&(SUACT_6 = TDASOC2X))
  ACTSU_62 ='TDASOC'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'EIN___')&(SUACT_6 = EIN___2X))
  ACTSU_62 ='EIN___'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'DBA___')&(SUACT_6 = DBA___2X))
  ACTSU_62 ='DBA___'.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'EQTAG1')&(SUACT_6 = EQTAG2X1))
  ACTSU_62 ='EQTAG1'.
*.
IF ((ACTSU_62='222222')&(ACTSU_61 NE 'FINSPT')&(SUACT_6 = FINSPT2X))
  ACTSU_62 ='FINSPT'.
*.
EXECUTE.
*.
*   IDENTIFY THIRD SIMUTANEOUS START-UP ACT.
*.
*.
IF ((ACTSU_62 NE 'BUSPLN')&(ACTSU_61 NE 'BUSPLN')&(SUACT_6 = BUSPLN2X))
  ACTSU_63 ='BUSPLN'.
IF ((ACTSU_62 NE 'MODEL_')&(ACTSU_61 NE 'MODEL_')&(SUACT_6 = MODEL_2X))
  ACTSU_63 ='MODEL_'.
IF ((ACTSU_62 NE 'PROMOT')&(ACTSU_61 NE 'PROMOT')&(SUACT_6 = PROMOT2X))
  ACTSU_63 ='PROMOT'.
IF ((ACTSU_62 NE 'PATENT')&(ACTSU_61 NE 'PATENT')&(SUACT_6 = PATENT2X))
  ACTSU_63 ='PATENT'.
IF ((ACTSU_62 NE 'PURCHA')&(ACTSU_61 NE 'PURCHA')&(SUACT_6 = PURCHA2X))
  ACTSU_63 ='PURCHA'.
*.
IF ((ACTSU_62 NE 'LEASE_')&(ACTSU_61 NE 'LEASE_')&(SUACT_6 = LEASE_2X))
  ACTSU_63 ='LEASE_'.
IF ((ACTSU_62 NE 'DFNMKT')&(ACTSU_61 NE 'DFNMKT')&(SUACT_6 = DFNMKT2X))
  ACTSU_63 ='DFNMKT'.
IF ((ACTSU_62 NE 'FINPRJ')&(ACTSU_61 NE 'FINPRJ')&(SUACT_6 = FINPRJ2X))
  ACTSU_63 ='FINPRJ'.
IF ((ACTSU_62 NE 'ONINV1')&(ACTSU_61 NE 'ONINV1')&(SUACT_6 = ONINV2X1))
  ACTSU_63 ='ONINV1'.
IF ((ACTSU_62 NE 'ASKFND')&(ACTSU_61 NE 'ASKFND')&(SUACT_6 = ASKFND2X))
  ACTSU_63 ='ASKFND'.
*.
IF ((ACTSU_62 NE 'SUPCRD')&(ACTSU_61 NE 'SUPCRD')&(SUACT_6 = SUPCRD2X))
  ACTSU_63 ='SUPCRD'.

```

IF ((ACTSU_62 NE 'FTWK_1')&(ACTSU_61 NE 'FTWK_1')&(SUACT_6 = FTWK_2X1))
 ACTSU_63 ='FTWK_1'.
 IF ((ACTSU_62 NE 'HIRE__')&(ACTSU_61 NE 'HIRE__')&(SUACT_6 = HIRE__2X))
 ACTSU_63 ='HIRE__'.
 IF ((ACTSU_62 NE 'BKACCT')&(ACTSU_61 NE 'BKACCT')&(SUACT_6 = BKACCT2X))
 ACTSU_63 ='BKACCT'.
 IF ((ACTSU_62 NE 'SALES_')&(ACTSU_61 NE 'SALES_')&(SUACT_6 = SALES_2X))
 ACTSU_63 ='SALES_'.
 *.
 IF ((ACTSU_62 NE 'CSHFL_')&(ACTSU_61 NE 'CSHFL_')&(SUACT_6 = CSHFL_2X))
 ACTSU_63 ='CSHFL_'.
 IF ((ACTSU_62 NE 'PHLIST')&(ACTSU_61 NE 'PHLIST')&(SUACT_6 = PHLIST2X))
 ACTSU_63 ='PHLIST'.
 IF ((ACTSU_62 NE 'UNEMP_')&(ACTSU_61 NE 'UNEMP_')&(SUACT_6 = UNEMP_2X))
 ACTSU_63 ='UNEMP_'.
 IF ((ACTSU_62 NE 'FICA__')&(ACTSU_61 NE 'FICA__')&(SUACT_6 = FICA__2X))
 ACTSU_63 ='FICA__'.
 IF ((ACTSU_62 NE 'FEDTAX')&(ACTSU_61 NE 'FEDTAX')&(SUACT_6 = FEDTAX2X))
 ACTSU_63 ='FEDTAX'.
 *.
 IF ((ACTSU_62 NE 'DANDB_')&(ACTSU_61 NE 'DANDB_')&(SUACT_6 = DANDB_2X))
 ACTSU_63 ='DANDB_'.
 IF ((ACTSU_62 NE 'SPACE_')&(ACTSU_61 NE 'SPACE_')&(SUACT_6 = SPACE_2X))
 ACTSU_63 ='SPACE_'.
 IF ((ACTSU_62 NE 'LEGAL_')&(ACTSU_61 NE 'LEGAL_')&(SUACT_6 = LEGAL_2X))
 ACTSU_63 ='LEGAL_'.
 IF ((ACTSU_62 NE 'LIABIS')&(ACTSU_61 NE 'LIABIS')&(SUACT_6 = LIABIS2X))
 ACTSU_63 ='LIABIS'.
 IF ((ACTSU_62 NE 'PRTECH')&(ACTSU_61 NE 'PRTECH')&(SUACT_6 = PRTECH2X))
 ACTSU_63 ='PRTECH'.
 *.
 IF ((ACTSU_62 NE 'TLKCST')&(ACTSU_61 NE 'TLKCST')&(SUACT_6 = TLKCST2X))
 ACTSU_63 ='TLKCST'.
 IF ((ACTSU_62 NE 'IFOCPT')&(ACTSU_61 NE 'IFOCPT')&(SUACT_6 = IFOCPT2X))
 ACTSU_63 ='IFOCPT'.
 IF ((ACTSU_62 NE 'FNDREG')&(ACTSU_61 NE 'FNDREG')&(SUACT_6 = FNDREG2X))
 ACTSU_63 ='FNDREG'.
 IF ((ACTSU_62 NE 'GETFND')&(ACTSU_61 NE 'GETFND')&(SUACT_6 = GETFND2X))
 ACTSU_63 ='GETFND'.
 IF ((ACTSU_62 NE 'HRACCT')&(ACTSU_61 NE 'HRACCT')&(SUACT_6 = HRACCT2X))
 ACTSU_63 ='HRACCT'.
 *.
 IF ((ACTSU_62 NE 'HRLAWR')&(ACTSU_61 NE 'HRLAWR')&(SUACT_6 = HRLAWR2X))
 ACTSU_63 ='HRLAWR'.
 IF ((ACTSU_62 NE 'TDASOC')&(ACTSU_61 NE 'TDASOC')&(SUACT_6 = TDASOC2X))
 ACTSU_63 ='TDASOC'.
 IF ((ACTSU_62 NE 'EIN___')&(ACTSU_61 NE 'EIN___')&(SUACT_6 = EIN___2X))
 ACTSU_63 ='EIN___'.
 IF ((ACTSU_62 NE 'DBA___')&(ACTSU_61 NE 'DBA___')&(SUACT_6 = DBA___2X))
 ACTSU_63 ='DBA___'.
 IF ((ACTSU_62 NE 'EQTAG1')&(ACTSU_61 NE 'EQTAG1')&(SUACT_6 = EQTAG2X1))
 ACTSU_63 ='EQTAG1'.
 *.
 IF ((ACTSU_62 NE 'FINSPT')&(ACTSU_61 NE 'FINSPT')&(SUACT_6 = FINSPT2X))

ACTSU_63 ='FINSPT'.

*.

EXECUTE.

*.

IDENTIFY FOURTH SIMUTANEOUS START-UP ACT.

*.

IF ((ACTSU_63 NE 'BUSPLN')&(ACTSU_62 NE 'BUSPLN')&(ACTSU_61 NE 'BUSPLN')
&(SUACTION_6 = BUSPLN2X)) ACTSU_64 ='BUSPLN'.

IF ((ACTSU_63 NE 'MODEL_')&(ACTSU_62 NE 'MODEL_')&(ACTSU_61 NE 'MODEL_')
&(SUACTION_6 = MODEL_2X)) ACTSU_64 ='MODEL_'.

IF ((ACTSU_63 NE 'PROMOT')&(ACTSU_62 NE 'PROMOT')&(ACTSU_61 NE 'PROMOT')
&(SUACTION_6 = PROMOT2X)) ACTSU_64 ='PROMOT'.

IF ((ACTSU_63 NE 'PATENT')&(ACTSU_62 NE 'PATENT')&(ACTSU_61 NE 'PATENT')
&(SUACTION_6 = PATENT2X)) ACTSU_64 ='PATENT'.

IF ((ACTSU_63 NE 'PURCHA')&(ACTSU_62 NE 'PURCHA')&(ACTSU_61 NE 'PURCHA')
&(SUACTION_6 = PURCHA2X)) ACTSU_64 ='PURCHA'.

*.

IF ((ACTSU_63 NE 'LEASE_')&(ACTSU_62 NE 'LEASE_')&(ACTSU_61 NE 'LEASE_')
&(SUACTION_6 = LEASE_2X)) ACTSU_64 ='LEASE_'.

IF ((ACTSU_63 NE 'DFNMKT')&(ACTSU_62 NE 'DFNMKT')&(ACTSU_61 NE 'DFNMKT')
&(SUACTION_6 = DFNMKT2X)) ACTSU_64 ='DFNMKT'.

IF ((ACTSU_63 NE 'FINPRJ')&(ACTSU_62 NE 'FINPRJ')&(ACTSU_61 NE 'FINPRJ')
&(SUACTION_6 = FINPRJ2X)) ACTSU_64 ='FINPRJ'.

IF ((ACTSU_63 NE 'ONINV1')&(ACTSU_62 NE 'ONINV1')&(ACTSU_61 NE 'ONINV1')
&(SUACTION_6 = ONINV2X1)) ACTSU_64 ='ONINV1'.

IF ((ACTSU_63 NE 'ASKFND')&(ACTSU_62 NE 'ASKFND')&(ACTSU_61 NE 'ASKFND')
&(SUACTION_6 = ASKFND2X)) ACTSU_64 ='ASKFND'.

*.

IF ((ACTSU_63 NE 'SUPCRD')&(ACTSU_62 NE 'SUPCRD')&(ACTSU_61 NE 'SUPCRD')
&(SUACTION_6 = SUPCRD2X)) ACTSU_64 ='SUPCRD'.

IF ((ACTSU_63 NE 'FTWK_1')&(ACTSU_62 NE 'FTWK_1')&(ACTSU_61 NE 'FTWK_1')
&(SUACTION_6 = FTWK_2X1)) ACTSU_64 ='FTWK_1'.

IF ((ACTSU_63 NE 'HIRE_')&(ACTSU_62 NE 'HIRE_')&(ACTSU_61 NE 'HIRE_')
&(SUACTION_6 = HIRE_2X)) ACTSU_64 ='HIRE_'.

IF ((ACTSU_63 NE 'BKACCT')&(ACTSU_62 NE 'BKACCT')&(ACTSU_61 NE 'BKACCT')
&(SUACTION_6 = BKACCT2X)) ACTSU_64 ='BKACCT'.

IF ((ACTSU_63 NE 'SALES_')&(ACTSU_62 NE 'SALES_')&(ACTSU_61 NE 'SALES_')
&(SUACTION_6 = SALES_2X)) ACTSU_64 ='SALES_'.

*.

IF ((ACTSU_63 NE 'CSHFL_')&(ACTSU_62 NE 'CSHFL_')&(ACTSU_61 NE 'CSHFL_')
&(SUACTION_6 = CSHFL_2X)) ACTSU_64 ='CSHFL_'.

IF ((ACTSU_63 NE 'PHLIST')&(ACTSU_62 NE 'PHLIST')&(ACTSU_61 NE 'PHLIST')
&(SUACTION_6 = PHLIST2X)) ACTSU_64 ='PHLIST'.

IF ((ACTSU_63 NE 'UNEMP_')&(ACTSU_62 NE 'UNEMP_')&(ACTSU_61 NE 'UNEMP_')
&(SUACTION_6 = UNEMP_2X)) ACTSU_64 ='UNEMP_'.

IF ((ACTSU_63 NE 'FICA_')&(ACTSU_62 NE 'FICA_')&(ACTSU_61 NE 'FICA_')
&(SUACTION_6 = FICA_2X)) ACTSU_64 ='FICA_'.

IF ((ACTSU_63 NE 'FEDTAX')&(ACTSU_62 NE 'FEDTAX')&(ACTSU_61 NE 'FEDTAX')
&(SUACTION_6 = FEDTAX2X)) ACTSU_64 ='FEDTAX'.

*.

IF ((ACTSU_63 NE 'DANDB_')&(ACTSU_62 NE 'DANDB_')&(ACTSU_61 NE 'DANDB_')
&(SUACTION_6 = DANDB_2X)) ACTSU_64 ='DANDB_'.

IF ((ACTSU_63 NE 'SPACE_')&(ACTSU_62 NE 'SPACE_')&(ACTSU_61 NE 'SPACE_')
&(SUACTION_6 = SPACE_2X)) ACTSU_64 ='SPACE_'.

```

IF ((ACTSU_63 NE 'LEGAL_')&(ACTSU_62 NE 'LEGAL_')&(ACTSU_61 NE 'LEGAL_')
    &(SUACT_6 = LEGAL_2X)) ACTSU_64 ='LEGAL_'.
IF ((ACTSU_63 NE 'LIABIS')&(ACTSU_62 NE 'LIABIS')&(ACTSU_61 NE 'LIABIS')
    &(SUACT_6 = LIABIS2X)) ACTSU_64 ='LIABIS'.
IF ((ACTSU_63 NE 'PRTECH')&(ACTSU_62 NE 'PRTECH')&(ACTSU_61 NE 'PRTECH')
    &(SUACT_6 = PRTECH2X)) ACTSU_64 ='PRTECH'.
*.
IF ((ACTSU_63 NE 'TLKCST')&(ACTSU_62 NE 'TLKCST')&(ACTSU_61 NE 'TLKCST')
    &(SUACT_6 = TLKCST2X)) ACTSU_64 ='TLKCST'.
IF ((ACTSU_63 NE 'IFOCPT')&(ACTSU_62 NE 'IFOCPT')&(ACTSU_61 NE 'IFOCPT')
    &(SUACT_6 = IFOCPT2X)) ACTSU_64 ='IFOCPT'.
IF ((ACTSU_63 NE 'FNDREG')&(ACTSU_62 NE 'FNDREG')&(ACTSU_61 NE 'FNDREG')
    &(SUACT_6 = FNDREG2X)) ACTSU_64 ='FNDREG'.
IF ((ACTSU_63 NE 'GETFND')&(ACTSU_62 NE 'GETFND')&(ACTSU_61 NE 'GETFND')
    &(SUACT_6 = GETFND2X)) ACTSU_64 ='GETFND'.
IF ((ACTSU_63 NE 'HRACCT')&(ACTSU_62 NE 'HRACCT')&(ACTSU_61 NE 'HRACCT')
    &(SUACT_6 = HRACCT2X)) ACTSU_64 ='HRACCT'.
*.
IF ((ACTSU_63 NE 'HRLAWR')&(ACTSU_62 NE 'HRLAWR')&(ACTSU_61 NE 'HRLAWR')
    &(SUACT_6 = HRLAWR2X)) ACTSU_64 ='HRLAWR'.
IF ((ACTSU_63 NE 'TDASOC')&(ACTSU_62 NE 'TDASOC')&(ACTSU_61 NE 'TDASOC')
    &(SUACT_6 = TDASOC2X)) ACTSU_64 ='TDASOC'.
IF ((ACTSU_63 NE 'EIN___')&(ACTSU_62 NE 'EIN___')&(ACTSU_61 NE 'EIN___')
    &(SUACT_6 = EIN___2X)) ACTSU_64 ='EIN___'.
IF ((ACTSU_63 NE 'DBA___')&(ACTSU_62 NE 'DBA___')&(ACTSU_61 NE 'DBA___')
    &(SUACT_6 = DBA___2X)) ACTSU_64 ='DBA___'.
IF ((ACTSU_63 NE 'EQTAG1')&(ACTSU_62 NE 'EQTAG1')&(ACTSU_61 NE 'EQTAG1')
    &(SUACT_6 = EQTAG2X1)) ACTSU_64 ='EQTAG1'.
*.
IF ((ACTSU_63 NE 'FINSPT')&(ACTSU_62 NE 'FINSPT')&(ACTSU_61 NE 'FINSPT')
    &(SUACT_6 = FINSPT2X)) ACTSU_64 ='FINSPT'.
*.
EXECUTE.
*.
MISSING VALUES ACTSU_61 ('111111') ACTSU_62 ('222222') ACTSU_63 ('333333')
    ACTSU_64 ('444444').
EXECUTE.
*.
FREQ VAR ACTSU_61 ACTSU_62 ACTSU_63 ACTSU_64/FORMAT = DFREQ/STAT ALL.
EXECUTE.
*=====
*.
COMPUTE      SUACT_7 = 999993.
VARIABLE LABEL
    SUACT_7      'SEVENTH ACT IN START-UP SEQUENCE'.
*.
*=====
*.
IF ((BUSPLN2X LT SUACT_7)&(BUSPLN2X GT SUACT_6)) SUACT_7 = BUSPLN2X.
IF ((MODEL_2X LT SUACT_7)&(MODEL_2X GT SUACT_6)) SUACT_7 = MODEL_2X.
IF ((PROMOT2X LT SUACT_7)&(PROMOT2X GT SUACT_6)) SUACT_7 = PROMOT2X.
IF ((PATENT2X LT SUACT_7)&(PATENT2X GT SUACT_6)) SUACT_7 = PATENT2X.
IF ((PURCHA2X LT SUACT_7)&(PURCHA2X GT SUACT_6)) SUACT_7 = PURCHA2X.
*.

```



```

IF ((LEASE_2X LT SUACT_7)&(LEASE_2X GT SUACT_6)) SUACT_7 = LEASE_2X.
IF ((DFNMKT2X LT SUACT_7)&(DFNMKT2X GT SUACT_6)) SUACT_7 = DFNMKT2X.
IF ((FINPRJ2X LT SUACT_7)&(FINPRJ2X GT SUACT_6)) SUACT_7 = FINPRJ2X.
IF ((ONINV2X1 LT SUACT_7)&(ONINV2X1 GT SUACT_6)) SUACT_7 = ONINV2X1.
IF ((ASKFND2X LT SUACT_7)&(ASKFND2X GT SUACT_6)) SUACT_7 = ASKFND2X.
*.
IF ((SUPCRD2X LT SUACT_7)&(SUPCRD2X GT SUACT_6)) SUACT_7 = SUPCRD2X.
IF ((FTWK_2X1 LT SUACT_7)&(FTWK_2X1 GT SUACT_6)) SUACT_7 = FTWK_2X1.
IF ((HIRE__2X LT SUACT_7)&(HIRE__2X GT SUACT_6)) SUACT_7 = HIRE__2X.
IF ((BKACCT2X LT SUACT_7)&(BKACCT2X GT SUACT_6)) SUACT_7 = BKACCT2X.
IF ((SALES_2X LT SUACT_7)&(SALES_2X GT SUACT_6)) SUACT_7 = SALES_2X.
*.
IF ((CSHFL_2X LT SUACT_7)&(CSHFL_2X GT SUACT_6)) SUACT_7 = CSHFL_2X.
IF ((PHLIST2X LT SUACT_7)&(PHLIST2X GT SUACT_6)) SUACT_7 = PHLIST2X.
IF ((UNEMP_2X LT SUACT_7)&(UNEMP_2X GT SUACT_6)) SUACT_7 = UNEMP_2X.
IF ((FICA__2X LT SUACT_7)&(FICA__2X GT SUACT_6)) SUACT_7 = FICA__2X.
IF ((FEDTAX2X LT SUACT_7)&(FEDTAX2X GT SUACT_6)) SUACT_7 = FEDTAX2X.
*.
IF ((DANDB_2X LT SUACT_7)&(DANDB_2X GT SUACT_6)) SUACT_7 = DANDB_2X.
IF ((SPACE_2X LT SUACT_7)&(SPACE_2X GT SUACT_6)) SUACT_7 = SPACE_2X.
IF ((LEGAL_2X LT SUACT_7)&(LEGAL_2X GT SUACT_6)) SUACT_7 = LEGAL_2X.
IF ((LIABIS2X LT SUACT_7)&(LIABIS2X GT SUACT_6)) SUACT_7 = LIABIS2X.
IF ((PRTECH2X LT SUACT_7)&(PRTECH2X GT SUACT_6)) SUACT_7 = PRTECH2X.
*.
IF ((TLKCST2X LT SUACT_7)&(TLKCST2X GT SUACT_6)) SUACT_7 = TLKCST2X.
IF ((IFOCPT2X LT SUACT_7)&(IFOCPT2X GT SUACT_6)) SUACT_7 = IFOCPT2X.
IF ((FNDREG2X LT SUACT_7)&(FNDREG2X GT SUACT_6)) SUACT_7 = FNDREG2X.
IF ((GETFND2X LT SUACT_7)&(GETFND2X GT SUACT_6)) SUACT_7 = GETFND2X.
IF ((HRACCT2X LT SUACT_7)&(HRACCT2X GT SUACT_6)) SUACT_7 = HRACCT2X.
*.
IF ((HRLAWR2X LT SUACT_7)&(HRLAWR2X GT SUACT_6)) SUACT_7 = HRLAWR2X.
IF ((TDASOC2X LT SUACT_7)&(TDASOC2X GT SUACT_6)) SUACT_7 = TDASOC2X.
IF ((EIN__2X LT SUACT_7)&(EIN__2X GT SUACT_6)) SUACT_7 = EIN__2X.
IF ((DBA__2X LT SUACT_7)&(DBA__2X GT SUACT_6)) SUACT_7 = DBA__2X.
IF ((EQTAG2X1 LT SUACT_7)&(EQTAG2X1 GT SUACT_6)) SUACT_7 = EQTAG2X1.
*.
IF ((FINSPT2X LT SUACT_7)&(FINSPT2X GT SUACT_6)) SUACT_7 = FINSPT2X.
*.
DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3 SUACT_4 SUACT_5 SUACT_6 SUACT_7.
*.
MISSING VALUES SUACT_7 (999993).
DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3 SUACT_4 SUACT_5 SUACT_6 SUACT_7.
*.
FREQ VAR SUACT_7/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.
*.
*=====
*.
* IDENTIFY ACTS SEVENTH IN SEQUENCE.
*.
*=====
*.
STRING ACTSU_71 (A6).
STRING ACTSU_72 (A6).
STRING ACTSU_73 (A6).

```

STRING ACTSU_74 (A6).

VARIABLE LABEL

ACTSU_71 '7TH SU ACT IN SEQUENCE:NO 1/'
ACTSU_72 '7TH SU ACT IN SEQUENCE:NO 2/'
ACTSU_73 '7TH SU ACT IN SEQUENCE:NO 3/'
ACTSU_74 '7TH SU ACT IN SEQUENCE:NO 4'.

*.

VALUE LABELS ACTSU_71 ACTSU_72 ACTSU_73 ACTSU_74

'THINK_' 'SERIOUS THOUGHT'
'SPACE_' 'USE PHYSICAL SPACE'
'LEGAL_' 'LEGAL FORM REGIST'
'LIABIS' 'GOT LIAB INS'
'BUSPLN' 'BUSS PLAN INITIATED'
'MODEL_' 'MODEL INITIATED'
'PROMOT' 'PROMOT 4 PROD/SERV'
'PRTECH' 'DEVELOP PROPRIET TECH'
'PATENT' 'IPR'S INITIATED'
'LEASE_' 'PURC,LEASED CAPITAL ASSET'
'PURCHA' 'PURC,MATERIAL,SUPPL,INVENT'
'TLKCST' 'TALK TO CUSTOMERS'
'FOCPT' 'COLLECT COMPETIR INFO'
'DFNMKT' 'DEFINING MARKETS'
'FINPRJ' 'FINANCIAL PROJ'S'
'FNDREG' 'REGULAT REQUIREMENTS'
'ASKFND' 'ASKED 4 FUNDING'
'GETFND' 'GOT FUNDING'
'SUPCRD' 'SUPPLIER CREDIT'
'HIRE__' 'PERSON HIRED'
'BKACCT' 'BUSS BANK ACCT'
'SALES_' 'INCOME RECEIVED'
'CSHFL_' 'MTHLY POSIT CASH FLOW'
'HRACCT' 'HIRED ACCOUNTANT'
'HRLAWR' 'HIRED LAWYER'
'TDASOC' 'TRADE ASSOC MBR'
'PHLIST' 'INTERNET/PHONE LIST'
'EIN___' 'FEDERAL EIN NUMBER'
'DBA___' 'FICTICIOUS (DBA) NAME'
'UNEMP_' 'ST UNEMPLOY INS'
'FICA__' 'FED FICA PAYMENT'
'FEDTAX' 'FED INCOME TAX'
'DANDB_' 'KNOW D&B LIST'
'ONINV1' 'OWN #1 INVESTED'
'EQTAG1' 'SIGN AGREE:OWN #1'
'FTWK_1' 'FT INVOL OWN#1'
'FINSPT' 'FINANCIAL SUPPORT'.

*.

COMPUTE ACTSU_71 = '111111'.
COMPUTE ACTSU_72 = '222222'.
COMPUTE ACTSU_73 = '333333'.
COMPUTE ACTSU_74 = '444444'.

*.

* IDENTIFY FIRST START-UP ACT.

*.

IF ((ACTSU_71='111111')&(SUACT_7 = BUSPLN2X)) ACTSU_71 = 'BUSPLN'.

```

IF ((ACTSU_71='111111')&(SUACTION_7 = MODEL_2X)) ACTSU_71 = 'MODEL_'.
IF ((ACTSU_71='111111')&(SUACTION_7 = PROMOT2X)) ACTSU_71 = 'PROMOT'.
IF ((ACTSU_71='111111')&(SUACTION_7 = PATENT2X)) ACTSU_71 = 'PATENT'.
IF ((ACTSU_71='111111')&(SUACTION_7 = PURCHA2X)) ACTSU_71 = 'PURCHA'.
*.
IF ((ACTSU_71='111111')&(SUACTION_7 = LEASE_2X)) ACTSU_71 = 'LEASE_'.
IF ((ACTSU_71='111111')&(SUACTION_7 = DFNMKT2X)) ACTSU_71 = 'DFNMKT'.
IF ((ACTSU_71='111111')&(SUACTION_7 = FINPRJ2X)) ACTSU_71 = 'FINPRJ'.
IF ((ACTSU_71='111111')&(SUACTION_7 = ONINV2X1)) ACTSU_71 = 'ONINV1'.
IF ((ACTSU_71='111111')&(SUACTION_7 = ASKFND2X)) ACTSU_71 = 'ASKFND'.
*.
IF ((ACTSU_71='111111')&(SUACTION_7 = SUPCRD2X)) ACTSU_71 = 'SUPCRD'.
IF ((ACTSU_71='111111')&(SUACTION_7 = FTWK_2X1)) ACTSU_71 = 'FTWK_1'.
IF ((ACTSU_71='111111')&(SUACTION_7 = HIRE__2X)) ACTSU_71 = 'HIRE__'.
IF ((ACTSU_71='111111')&(SUACTION_7 = BKACCT2X)) ACTSU_71 = 'BKACCT'.
IF ((ACTSU_71='111111')&(SUACTION_7 = SALES_2X)) ACTSU_71 = 'SALES_'.
*.
IF ((ACTSU_71='111111')&(SUACTION_7 = CSHFL_2X)) ACTSU_71 = 'CSHFL_'.
IF ((ACTSU_71='111111')&(SUACTION_7 = PHLIST2X)) ACTSU_71 = 'PHLIST'.
IF ((ACTSU_71='111111')&(SUACTION_7 = UNEMP_2X)) ACTSU_71 = 'UNEMP_'.
IF ((ACTSU_71='111111')&(SUACTION_7 = FICA__2X)) ACTSU_71 = 'FICA__'.
IF ((ACTSU_71='111111')&(SUACTION_7 = FEDTAX2X)) ACTSU_71 = 'FEDTAX'.
*.
IF ((ACTSU_71='111111')&(SUACTION_7 = DANDB_2X)) ACTSU_71 = 'DANDB_'.
IF ((ACTSU_71='111111')&(SUACTION_7 = SPACE_2X)) ACTSU_71 = 'SPACE_'.
IF ((ACTSU_71='111111')&(SUACTION_7 = LEGAL_2X)) ACTSU_71 = 'LEGAL_'.
IF ((ACTSU_71='111111')&(SUACTION_7 = LIABIS2X)) ACTSU_71 = 'LIABIS'.
IF ((ACTSU_71='111111')&(SUACTION_7 = PRTECH2X)) ACTSU_71 = 'PRTECH'.
*.
IF ((ACTSU_71='111111')&(SUACTION_7 = TLKCST2X)) ACTSU_71 = 'TLKCST'.
IF ((ACTSU_71='111111')&(SUACTION_7 = IFOCPT2X)) ACTSU_71 = 'IFOCPT'.
IF ((ACTSU_71='111111')&(SUACTION_7 = FNDREG2X)) ACTSU_71 = 'FNDREG'.
IF ((ACTSU_71='111111')&(SUACTION_7 = GETFND2X)) ACTSU_71 = 'GETFND'.
IF ((ACTSU_71='111111')&(SUACTION_7 = HRACCT2X)) ACTSU_71 = 'HRACCT'.
*.
IF ((ACTSU_71='111111')&(SUACTION_7 = HRLAWR2X)) ACTSU_71 = 'HRLAWR'.
IF ((ACTSU_71='111111')&(SUACTION_7 = TDASOC2X)) ACTSU_71 = 'TDASOC'.
IF ((ACTSU_71='111111')&(SUACTION_7 = EIN__2X)) ACTSU_71 = 'EIN__'.
IF ((ACTSU_71='111111')&(SUACTION_7 = DBA__2X)) ACTSU_71 = 'DBA__'.
IF ((ACTSU_71='111111')&(SUACTION_7 = EQTAG2X1)) ACTSU_71 = 'EQTAG1'.
*.
IF ((ACTSU_71='111111')&(SUACTION_7 = FINSPT2X)) ACTSU_71 = 'FINSPT'.
*.
EXECUTE.
*.
*.
*   IDENTIFY SECOND SIMUTANEOUS START-UP ACT.
*.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'BUSPLN')&(SUACTION_7 = BUSPLN2X))
    ACTSU_72 = 'BUSPLN'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'MODEL_')&(SUACTION_7 = MODEL_2X))
    ACTSU_72 = 'MODEL_'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'PROMOT')&(SUACTION_7 = PROMOT2X))
    ACTSU_72 = 'PROMOT'.

```

```

IF ((ACTSU_72='222222')&(ACTSU_71 NE 'PATENT')&(SUACT_7 = PATENT2X))
  ACTSU_72 ='PATENT'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'PURCHA')&(SUACT_7 = PURCHA2X))
  ACTSU_72 ='PURCHA'.
*.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'LEASE_')&(SUACT_7 = LEASE_2X))
  ACTSU_72 ='LEASE_'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'DFNMKT')&(SUACT_7 = DFNMKT2X))
  ACTSU_72 ='DFNMKT'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'FINPRJ')&(SUACT_7 = FINPRJ2X))
  ACTSU_72 ='FINPRJ'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'ONINV1')&(SUACT_7 = ONINV2X1))
  ACTSU_72 ='ONINV1'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'ASKFND')&(SUACT_7 = ASKFND2X))
  ACTSU_72 ='ASKFND'.
*.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'SUPCRD')&(SUACT_7 = SUPCRD2X))
  ACTSU_72 ='SUPCRD'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'FTWK_1')&(SUACT_7 = FTWK_2X1))
  ACTSU_72 ='FTWK_1'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'HIRE__')&(SUACT_7 = HIRE__2X))
  ACTSU_72 ='HIRE__'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'BKACCT')&(SUACT_7 = BKACCT2X))
  ACTSU_72 ='BKACCT'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'SALES_')&(SUACT_7 = SALES_2X))
  ACTSU_72 ='SALES_'.
*.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'CSHFL_')&(SUACT_7 = CSHFL_2X))
  ACTSU_72 ='CSHFL_'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'PHLIST')&(SUACT_7 = PHLIST2X))
  ACTSU_72 ='PHLIST'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'UNEMP_')&(SUACT_7 = UNEMP_2X))
  ACTSU_72 ='UNEMP_'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'FICA_')&(SUACT_7 = FICA__2X))
  ACTSU_72 ='FICA__'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'FEDTAX')&(SUACT_7 = FEDTAX2X))
  ACTSU_72 ='FEDTAX'.
*.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'DANDB_')&(SUACT_7 = DANDB_2X))
  ACTSU_72 ='DANDB_'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'SPACE_')&(SUACT_7 = SPACE_2X))
  ACTSU_72 ='SPACE_'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'LEGAL_')&(SUACT_7 = LEGAL_2X))
  ACTSU_72 ='LEGAL_'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'LIABIS')&(SUACT_7 = LIABIS2X))
  ACTSU_72 ='LIABIS'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'PRTECH')&(SUACT_7 = PRTECH2X))
  ACTSU_72 ='PRTECH'.
*.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'TLKCST')&(SUACT_7 = TLKCST2X))
  ACTSU_72 ='TLKCST'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'IFOCPT')&(SUACT_7 = IFOCPT2X))
  ACTSU_72 ='IFOCPT'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'FNDREG')&(SUACT_7 = FNDREG2X))

```

```

ACTSU_72 ='FNDREG'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'GETFND')&(SUACT_7 = GETFND2X))
  ACTSU_72 ='GETFND'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'HRACCT')&(SUACT_7 = HRACCT2X))
  ACTSU_72 ='HRACCT'.
*.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'HRLAWR')&(SUACT_7 = HRLAWR2X))
  ACTSU_72 ='HRLAWR'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'TDASOC')&(SUACT_7 = TDASOC2X))
  ACTSU_72 ='TDASOC'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'EIN___')&(SUACT_7 = EIN___2X))
  ACTSU_72 ='EIN___'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'DBA___')&(SUACT_7 = DBA___2X))
  ACTSU_72 ='DBA___'.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'EQTAG1')&(SUACT_7 = EQTAG2X1))
  ACTSU_72 ='EQTAG1'.
*.
IF ((ACTSU_72='222222')&(ACTSU_71 NE 'FINSPT')&(SUACT_7 = FINSPT2X))
  ACTSU_72 ='FINSPT'.
*.
EXECUTE.
*.
*   IDENTIFY THIRD SIMUTANEOUS START-UP ACT.
*.
*.
IF ((ACTSU_72 NE 'BUSPLN')&(ACTSU_71 NE 'BUSPLN')&(SUACT_7 = BUSPLN2X))
  ACTSU_73 ='BUSPLN'.
IF ((ACTSU_72 NE 'MODEL_')&(ACTSU_71 NE 'MODEL_')&(SUACT_7 = MODEL_2X))
  ACTSU_73 ='MODEL_'.
IF ((ACTSU_72 NE 'PROMOT')&(ACTSU_71 NE 'PROMOT')&(SUACT_7 = PROMOT2X))
  ACTSU_73 ='PROMOT'.
IF ((ACTSU_72 NE 'PATENT')&(ACTSU_71 NE 'PATENT')&(SUACT_7 = PATENT2X))
  ACTSU_73 ='PATENT'.
IF ((ACTSU_72 NE 'PURCHA')&(ACTSU_71 NE 'PURCHA')&(SUACT_7 = PURCHA2X))
  ACTSU_73 ='PURCHA'.
*.
IF ((ACTSU_72 NE 'LEASE_')&(ACTSU_71 NE 'LEASE_')&(SUACT_7 = LEASE_2X))
  ACTSU_73 ='LEASE_'.
IF ((ACTSU_72 NE 'DFNMKT')&(ACTSU_71 NE 'DFNMKT')&(SUACT_7 = DFNMKT2X))
  ACTSU_73 ='DFNMKT'.
IF ((ACTSU_72 NE 'FINPRJ')&(ACTSU_71 NE 'FINPRJ')&(SUACT_7 = FINPRJ2X))
  ACTSU_73 ='FINPRJ'.
IF ((ACTSU_72 NE 'ONINV1')&(ACTSU_71 NE 'ONINV1')&(SUACT_7 = ONINV2X1))
  ACTSU_73 ='ONINV1'.
IF ((ACTSU_72 NE 'ASKFND')&(ACTSU_71 NE 'ASKFND')&(SUACT_7 = ASKFND2X))
  ACTSU_73 ='ASKFND'.
*.
IF ((ACTSU_72 NE 'SUPCRD')&(ACTSU_71 NE 'SUPCRD')&(SUACT_7 = SUPCRD2X))
  ACTSU_73 ='SUPCRD'.
IF ((ACTSU_72 NE 'FTWK_1')&(ACTSU_71 NE 'FTWK_1')&(SUACT_7 = FTWK_2X1))
  ACTSU_73 ='FTWK_1'.
IF ((ACTSU_72 NE 'HIRE__')&(ACTSU_71 NE 'HIRE__')&(SUACT_7 = HIRE__2X))
  ACTSU_73 ='HIRE__'.
IF ((ACTSU_72 NE 'BKACCT')&(ACTSU_71 NE 'BKACCT')&(SUACT_7 = BKACCT2X))

```

```

ACTSU_73 ='BKACCT'.
IF ((ACTSU_72 NE 'SALES_')&(ACTSU_71 NE 'SALES_')&(SUACT_7 = SALES_2X))
  ACTSU_73 ='SALES_'.
*.
IF ((ACTSU_72 NE 'CSHFL_')&(ACTSU_71 NE 'CSHFL_')&(SUACT_7 = CSHFL_2X))
  ACTSU_73 ='CSHFL_'.
IF ((ACTSU_72 NE 'PHLIST')&(ACTSU_71 NE 'PHLIST')&(SUACT_7 = PHLIST2X))
  ACTSU_73 ='PHLIST'.
IF ((ACTSU_72 NE 'UNEMP_')&(ACTSU_71 NE 'UNEMP_')&(SUACT_7 = UNEMP_2X))
  ACTSU_73 ='UNEMP_'.
IF ((ACTSU_72 NE 'FICA_')&(ACTSU_71 NE 'FICA_')&(SUACT_7 = FICA__2X))
  ACTSU_73 ='FICA_'.
IF ((ACTSU_72 NE 'FEDTAX')&(ACTSU_71 NE 'FEDTAX')&(SUACT_7 = FEDTAX2X))
  ACTSU_73 ='FEDTAX'.
*.
IF ((ACTSU_72 NE 'DANDB_')&(ACTSU_71 NE 'DANDB_')&(SUACT_7 = DANDB_2X))
  ACTSU_73 ='DANDB_'.
IF ((ACTSU_72 NE 'SPACE_')&(ACTSU_71 NE 'SPACE_')&(SUACT_7 = SPACE_2X))
  ACTSU_73 ='SPACE_'.
IF ((ACTSU_72 NE 'LEGAL_')&(ACTSU_71 NE 'LEGAL_')&(SUACT_7 = LEGAL_2X))
  ACTSU_73 ='LEGAL_'.
IF ((ACTSU_72 NE 'LIABIS')&(ACTSU_71 NE 'LIABIS')&(SUACT_7 = LIABIS2X))
  ACTSU_73 ='LIABIS'.
IF ((ACTSU_72 NE 'PRTECH')&(ACTSU_71 NE 'PRTECH')&(SUACT_7 = PRTECH2X))
  ACTSU_73 ='PRTECH'.
*.
IF ((ACTSU_72 NE 'TLKCST')&(ACTSU_71 NE 'TLKCST')&(SUACT_7 = TLKCST2X))
  ACTSU_73 ='TLKCST'.
IF ((ACTSU_72 NE 'IFOCPT')&(ACTSU_71 NE 'IFOCPT')&(SUACT_7 = IFOCPT2X))
  ACTSU_73 ='IFOCPT'.
IF ((ACTSU_72 NE 'FNDREG')&(ACTSU_71 NE 'FNDREG')&(SUACT_7 = FNDREG2X))
  ACTSU_73 ='FNDREG'.
IF ((ACTSU_72 NE 'GETFND')&(ACTSU_71 NE 'GETFND')&(SUACT_7 = GETFND2X))
  ACTSU_73 ='GETFND'.
IF ((ACTSU_72 NE 'HRACCT')&(ACTSU_71 NE 'HRACCT')&(SUACT_7 = HRACCT2X))
  ACTSU_73 ='HRACCT'.
*.
IF ((ACTSU_72 NE 'HRLAWR')&(ACTSU_71 NE 'HRLAWR')&(SUACT_7 = HRLAWR2X))
  ACTSU_73 ='HRLAWR'.
IF ((ACTSU_72 NE 'TDASOC')&(ACTSU_71 NE 'TDASOC')&(SUACT_7 = TDASOC2X))
  ACTSU_73 ='TDASOC'.
IF ((ACTSU_72 NE 'EIN___')&(ACTSU_71 NE 'EIN___')&(SUACT_7 = EIN___2X))
  ACTSU_73 ='EIN___'.
IF ((ACTSU_72 NE 'DBA___')&(ACTSU_71 NE 'DBA___')&(SUACT_7 = DBA___2X))
  ACTSU_73 ='DBA___'.
IF ((ACTSU_72 NE 'EQTAG1')&(ACTSU_71 NE 'EQTAG1')&(SUACT_7 = EQTAG2X1))
  ACTSU_73 ='EQTAG1'.
*.
IF ((ACTSU_72 NE 'FINSPT')&(ACTSU_71 NE 'FINSPT')&(SUACT_7 = FINSPT2X))
  ACTSU_73 ='FINSPT'.
*.
EXECUTE.
*.
*   IDENTIFY FOURTH SIMUTANEOUS START-UP ACT.

```

```

*.
IF ((ACTSU_73 NE 'BUSPLN')&(ACTSU_72 NE 'BUSPLN')&(ACTSU_71 NE 'BUSPLN')
  &(SUACTION_7 = BUSPLN2X)) ACTSU_74 ='BUSPLN'.
IF ((ACTSU_73 NE 'MODEL_')&(ACTSU_72 NE 'MODEL_')&(ACTSU_71 NE 'MODEL_')
  &(SUACTION_7 = MODEL_2X)) ACTSU_74 ='MODEL_'.
IF ((ACTSU_73 NE 'PROMOT')&(ACTSU_72 NE 'PROMOT')&(ACTSU_71 NE 'PROMOT')
  &(SUACTION_7 = PROMOT2X)) ACTSU_74 ='PROMOT'.
IF ((ACTSU_73 NE 'PATENT')&(ACTSU_72 NE 'PATENT')&(ACTSU_71 NE 'PATENT')
  &(SUACTION_7 = PATENT2X)) ACTSU_74 ='PATENT'.
IF ((ACTSU_73 NE 'PURCHA')&(ACTSU_72 NE 'PURCHA')&(ACTSU_71 NE 'PURCHA')
  &(SUACTION_7 = PURCHA2X)) ACTSU_74 ='PURCHA'.
*.
IF ((ACTSU_73 NE 'LEASE_')&(ACTSU_72 NE 'LEASE_')&(ACTSU_71 NE 'LEASE_')
  &(SUACTION_7 = LEASE_2X)) ACTSU_74 ='LEASE_'.
IF ((ACTSU_73 NE 'DFNMKT')&(ACTSU_72 NE 'DFNMKT')&(ACTSU_71 NE 'DFNMKT')
  &(SUACTION_7 = DFNMT2X)) ACTSU_74 ='DFNMKT'.
IF ((ACTSU_73 NE 'FINPRJ')&(ACTSU_72 NE 'FINPRJ')&(ACTSU_71 NE 'FINPRJ')
  &(SUACTION_7 = FINPRJ2X)) ACTSU_74 ='FINPRJ'.
IF ((ACTSU_73 NE 'ONINV1')&(ACTSU_72 NE 'ONINV1')&(ACTSU_71 NE 'ONINV1')
  &(SUACTION_7 = ONINV2X1)) ACTSU_74 ='ONINV1'.
IF ((ACTSU_73 NE 'ASKFND')&(ACTSU_72 NE 'ASKFND')&(ACTSU_71 NE 'ASKFND')
  &(SUACTION_7 = ASKFND2X)) ACTSU_74 ='ASKFND'.
*.
IF ((ACTSU_73 NE 'SUPCRD')&(ACTSU_72 NE 'SUPCRD')&(ACTSU_71 NE 'SUPCRD')
  &(SUACTION_7 = SUPCRD2X)) ACTSU_74 ='SUPCRD'.
IF ((ACTSU_73 NE 'FTWK_1')&(ACTSU_72 NE 'FTWK_1')&(ACTSU_71 NE 'FTWK_1')
  &(SUACTION_7 = FTWK_2X1)) ACTSU_74 ='FTWK_1'.
IF ((ACTSU_73 NE 'HIRE_')&(ACTSU_72 NE 'HIRE_')&(ACTSU_71 NE 'HIRE_')
  &(SUACTION_7 = HIRE_2X)) ACTSU_74 ='HIRE_'.
IF ((ACTSU_73 NE 'BKACCT')&(ACTSU_72 NE 'BKACCT')&(ACTSU_71 NE 'BKACCT')
  &(SUACTION_7 = BKACCT2X)) ACTSU_74 ='BKACCT'.
IF ((ACTSU_73 NE 'SALES_')&(ACTSU_72 NE 'SALES_')&(ACTSU_71 NE 'SALES_')
  &(SUACTION_7 = SALES_2X)) ACTSU_74 ='SALES_'.
*.
IF ((ACTSU_73 NE 'CSHFL_')&(ACTSU_72 NE 'CSHFL_')&(ACTSU_71 NE 'CSHFL_')
  &(SUACTION_7 = CSHFL_2X)) ACTSU_74 ='CSHFL_'.
IF ((ACTSU_73 NE 'PHLIST')&(ACTSU_72 NE 'PHLIST')&(ACTSU_71 NE 'PHLIST')
  &(SUACTION_7 = PHLIST2X)) ACTSU_74 ='PHLIST'.
IF ((ACTSU_73 NE 'UNEMP_')&(ACTSU_72 NE 'UNEMP_')&(ACTSU_71 NE 'UNEMP_')
  &(SUACTION_7 = UNEMP_2X)) ACTSU_74 ='UNEMP_'.
IF ((ACTSU_73 NE 'FICA_')&(ACTSU_72 NE 'FICA_')&(ACTSU_71 NE 'FICA_')
  &(SUACTION_7 = FICA_2X)) ACTSU_74 ='FICA_'.
IF ((ACTSU_73 NE 'FEDTAX')&(ACTSU_72 NE 'FEDTAX')&(ACTSU_71 NE 'FEDTAX')
  &(SUACTION_7 = FEDTAX2X)) ACTSU_74 ='FEDTAX'.
*.
IF ((ACTSU_73 NE 'DANDB_')&(ACTSU_72 NE 'DANDB_')&(ACTSU_71 NE 'DANDB_')
  &(SUACTION_7 = DANDB_2X)) ACTSU_74 ='DANDB_'.
IF ((ACTSU_73 NE 'SPACE_')&(ACTSU_72 NE 'SPACE_')&(ACTSU_71 NE 'SPACE_')
  &(SUACTION_7 = SPACE_2X)) ACTSU_74 ='SPACE_'.
IF ((ACTSU_73 NE 'LEGAL_')&(ACTSU_72 NE 'LEGAL_')&(ACTSU_71 NE 'LEGAL_')
  &(SUACTION_7 = LEGAL_2X)) ACTSU_74 ='LEGAL_'.
IF ((ACTSU_73 NE 'LIABIS')&(ACTSU_72 NE 'LIABIS')&(ACTSU_71 NE 'LIABIS')
  &(SUACTION_7 = LIABIS2X)) ACTSU_74 ='LIABIS'.
IF ((ACTSU_73 NE 'PRTECH')&(ACTSU_72 NE 'PRTECH')&(ACTSU_71 NE 'PRTECH')

```

```

&(SUACT_7 = PRTECH2X)) ACTSU_74 ='PRTECH'.
*.
IF ((ACTSU_73 NE 'TLKCST')&(ACTSU_72 NE 'TLKCST')&(ACTSU_71 NE 'TLKCST')
&(SUACT_7 = TLKCST2X)) ACTSU_74 ='TLKCST'.
IF ((ACTSU_73 NE 'IFOCPT')&(ACTSU_72 NE 'IFOCPT')&(ACTSU_71 NE 'IFOCPT')
&(SUACT_7 = IFOCPT2X)) ACTSU_74 ='IFOCPT'.
IF ((ACTSU_73 NE 'FNDREG')&(ACTSU_72 NE 'FNDREG')&(ACTSU_71 NE 'FNDREG')
&(SUACT_7 = FNDREG2X)) ACTSU_74 ='FNDREG'.
IF ((ACTSU_73 NE 'GETFND')&(ACTSU_72 NE 'GETFND')&(ACTSU_71 NE 'GETFND')
&(SUACT_7 = GETFND2X)) ACTSU_74 ='GETFND'.
IF ((ACTSU_73 NE 'HRACCT')&(ACTSU_72 NE 'HRACCT')&(ACTSU_71 NE 'HRACCT')
&(SUACT_7 = HRACCT2X)) ACTSU_74 ='HRACCT'.
*.
IF ((ACTSU_73 NE 'HRLAWR')&(ACTSU_72 NE 'HRLAWR')&(ACTSU_71 NE 'HRLAWR')
&(SUACT_7 = HRLAWR2X)) ACTSU_74 ='HRLAWR'.
IF ((ACTSU_73 NE 'TDASOC')&(ACTSU_72 NE 'TDASOC')&(ACTSU_71 NE 'TDASOC')
&(SUACT_7 = TDASOC2X)) ACTSU_74 ='TDASOC'.
IF ((ACTSU_73 NE 'EIN___')&(ACTSU_72 NE 'EIN___')&(ACTSU_71 NE 'EIN___')
&(SUACT_7 = EIN___2X)) ACTSU_74 ='EIN___'.
IF ((ACTSU_73 NE 'DBA___')&(ACTSU_72 NE 'DBA___')&(ACTSU_71 NE 'DBA___')
&(SUACT_7 = DBA___2X)) ACTSU_74 ='DBA___'.
IF ((ACTSU_73 NE 'EQTAG1')&(ACTSU_72 NE 'EQTAG1')&(ACTSU_71 NE 'EQTAG1')
&(SUACT_7 = EQTAG2X1)) ACTSU_74 ='EQTAG1'.
*.
IF ((ACTSU_73 NE 'FINSPT')&(ACTSU_72 NE 'FINSPT')&(ACTSU_71 NE 'FINSPT')
&(SUACT_7 = FINSPT2X)) ACTSU_74 ='FINSPT'.
*.
EXECUTE.
*.
MISSING VALUES ACTSU_71 ('111111') ACTSU_72 ('222222') ACTSU_73 ('333333')
ACTSU_74 ('444444').
EXECUTE.
*.
FREQ VAR ACTSU_71 ACTSU_72 ACTSU_73 ACTSU_74/FORMAT = DFREQ/STAT ALL.
EXECUTE.
*=====
*.
COMPUTE SUACT_8 = 999992.
VARIABLE LABEL
SUACT_8 'EIGHTH ACT IN START-UP SEQUENCE'.
*.
*=====
*.
IF ((BUSPLN2X LT SUACT_8)&(BUSPLN2X GT SUACT_7)) SUACT_8 = BUSPLN2X.
IF ((MODEL_2X LT SUACT_8)&(MODEL_2X GT SUACT_7)) SUACT_8 = MODEL_2X.
IF ((PROMOT2X LT SUACT_8)&(PROMOT2X GT SUACT_7)) SUACT_8 = PROMOT2X.
IF ((PATENT2X LT SUACT_8)&(PATENT2X GT SUACT_7)) SUACT_8 = PATENT2X.
IF ((PURCHA2X LT SUACT_8)&(PURCHA2X GT SUACT_7)) SUACT_8 = PURCHA2X.
*.
IF ((LEASE_2X LT SUACT_8)&(LEASE_2X GT SUACT_7)) SUACT_8 = LEASE_2X.
IF ((DFNMKT2X LT SUACT_8)&(DFNMKT2X GT SUACT_7)) SUACT_8 = DFNMKT2X.
IF ((FINPRJ2X LT SUACT_8)&(FINPRJ2X GT SUACT_7)) SUACT_8 = FINPRJ2X.
IF ((ONINV2X1 LT SUACT_8)&(ONINV2X1 GT SUACT_7)) SUACT_8 = ONINV2X1.
IF ((ASKFND2X LT SUACT_8)&(ASKFND2X GT SUACT_7)) SUACT_8 = ASKFND2X.

```



```

*.
IF ((SUPCRD2X LT SUACT_8)&(SUPCRD2X GT SUACT_7)) SUACT_8 = SUPCRD2X.
IF ((FTWK_2X1 LT SUACT_8)&(FTWK_2X1 GT SUACT_7)) SUACT_8 = FTWK_2X1.
IF ((HIRE_2X LT SUACT_8)&(HIRE_2X GT SUACT_7)) SUACT_8 = HIRE_2X.
IF ((BKACCT2X LT SUACT_8)&(BKACCT2X GT SUACT_7)) SUACT_8 = BKACCT2X.
IF ((SALES_2X LT SUACT_8)&(SALES_2X GT SUACT_7)) SUACT_8 = SALES_2X.
*.
IF ((CSHFL_2X LT SUACT_8)&(CSHFL_2X GT SUACT_7)) SUACT_8 = CSHFL_2X.
IF ((PHLIST2X LT SUACT_8)&(PHLIST2X GT SUACT_7)) SUACT_8 = PHLIST2X.
IF ((UNEMP_2X LT SUACT_8)&(UNEMP_2X GT SUACT_7)) SUACT_8 = UNEMP_2X.
IF ((FICA_2X LT SUACT_8)&(FICA_2X GT SUACT_7)) SUACT_8 = FICA_2X.
IF ((FEDTAX2X LT SUACT_8)&(FEDTAX2X GT SUACT_7)) SUACT_8 = FEDTAX2X.
*.
IF ((DANDB_2X LT SUACT_8)&(DANDB_2X GT SUACT_7)) SUACT_8 = DANDB_2X.
IF ((SPACE_2X LT SUACT_8)&(SPACE_2X GT SUACT_7)) SUACT_8 = SPACE_2X.
IF ((LEGAL_2X LT SUACT_8)&(LEGAL_2X GT SUACT_7)) SUACT_8 = LEGAL_2X.
IF ((LIABIS2X LT SUACT_8)&(LIABIS2X GT SUACT_7)) SUACT_8 = LIABIS2X.
IF ((PRTECH2X LT SUACT_8)&(PRTECH2X GT SUACT_7)) SUACT_8 = PRTECH2X.
*.
IF ((TLKCST2X LT SUACT_8)&(TLKCST2X GT SUACT_7)) SUACT_8 = TLKCST2X.
IF ((IFOCPT2X LT SUACT_8)&(IFOCPT2X GT SUACT_7)) SUACT_8 = IFOCPT2X.
IF ((FNDREG2X LT SUACT_8)&(FNDREG2X GT SUACT_7)) SUACT_8 = FNDREG2X.
IF ((GETFND2X LT SUACT_8)&(GETFND2X GT SUACT_7)) SUACT_8 = GETFND2X.
IF ((HRACCT2X LT SUACT_8)&(HRACCT2X GT SUACT_7)) SUACT_8 = HRACCT2X.
*.
IF ((HRLAWR2X LT SUACT_8)&(HRLAWR2X GT SUACT_7)) SUACT_8 = HRLAWR2X.
IF ((TDASOC2X LT SUACT_8)&(TDASOC2X GT SUACT_7)) SUACT_8 = TDASOC2X.
IF ((EIN__2X LT SUACT_8)&(EIN__2X GT SUACT_7)) SUACT_8 = EIN__2X.
IF ((DBA__2X LT SUACT_8)&(DBA__2X GT SUACT_7)) SUACT_8 = DBA__2X.
IF ((EQTAG2X1 LT SUACT_8)&(EQTAG2X1 GT SUACT_7)) SUACT_8 = EQTAG2X1.
*.
IF ((FINSPT2X LT SUACT_8)&(FINSPT2X GT SUACT_7)) SUACT_8 = FINSPT2X.
*.
DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3 SUACT_4 SUACT_5 SUACT_6 SUACT_7
SUACT_8.
*.
MISSING VALUES SUACT_8 (999992).
DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3 SUACT_4 SUACT_5 SUACT_6 SUACT_7
SUACT_8.
*.
FREQ VAR SUACT_8/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.
*.
=====
*
* IDENTIFY ACTS EIGHTTH IN SEQUENCE.
*
*=====
*.
STRING ACTSU_81 (A6).
STRING ACTSU_82 (A6).
STRING ACTSU_83 (A6).
STRING ACTSU_84 (A6).
VARIABLE LABEL
ACTSU_81 '8TH SU ACT IN SEQUENCE:NO 1/'

```

ACTSU_82 '8TH SU ACT IN SEQUENCE:NO 2/
ACTSU_83 '8TH SU ACT IN SEQUENCE:NO 3/
ACTSU_84 '8TH SU ACT IN SEQUENCE:NO 4'.

*.

VALUE LABELS ACTSU_81 ACTSU_82 ACTSU_83 ACTSU_84

'THINK_' 'SERIOUS THOUGHT'
'SPACE_' 'USE PHYSICAL SPACE'
'LEGAL_' 'LEGAL FORM REGIST'
'LIABIS' 'GOT LIAB INS'
'BUSPLN' 'BUSS PLAN INITIATED'
'MODEL_' 'MODEL INITIATED'
'PROMOT' 'PROMOT 4 PROD/SERV'
'PRTECH' 'DEVELOP PROPRIET TECH'
'PATENT' 'IPR'S INITIATED'
'LEASE_' 'PURC,LEASED CAPITAL ASSET'
'PURCHA' 'PURC,MATERIAL,SUPPL,INVENT'
'TLKCST' 'TALK TO CUSTOMERS'
'IFOCPT' 'COLLECT COMPETIR INFO'
'DFNMKT' 'DEFINING MARKETS'
'FINPRJ' 'FINANCIAL PROJ'S'
'FNDREG' 'REGULAT REQUIREMENTS'
'ASKFND' 'ASKED 4 FUNDING'
'GETFND' 'GOT FUNDING'
'SUPCRD' 'SUPPLIER CREDIT'
'HIRE__' 'PERSON HIRED'
'BKACCT' 'BUSS BANK ACCT'
'SALES_' 'INCOME RECEIVED'
'CSHFL_' 'MTHLY POSIT CASH FLOW'
'HRACCT' 'HIRED ACCOUNTANT'
'HRLAWR' 'HIRED LAWYER'
'TDASOC' 'TRADE ASSOC MBR'
'PHLIST' 'INTERNET/PHONE LIST'
'EIN__' 'FEDERAL EIN NUMBER'
'DBA__' 'FICTICIOUS (DBA) NAME'
'UNEMP_' 'ST UNEMPLOY INS'
'FICA_' 'FED FICA PAYMENT'
'FEDTAX' 'FED INCOME TAX'
'DANDB_' 'KNOW D&B LIST'
'ONINV1' 'OWN #1 INVESTED'
'EQTAG1' 'SIGN AGREE:OWN #1'
'FTWK_1' 'FT INVOL OWN#1'
'FINSPT' 'FINANCIAL SUPPORT'.

*.

COMPUTE ACTSU_81 = '111111'.
COMPUTE ACTSU_82 = '222222'.
COMPUTE ACTSU_83 = '333333'.
COMPUTE ACTSU_84 = '444444'.

*.

* IDENTIFY FIRST START-UP ACT.

*.

IF ((ACTSU_81='111111')&(SUACTION_8 = BUSPLN2X)) ACTSU_81 = 'BUSPLN'.
IF ((ACTSU_81='111111')&(SUACTION_8 = MODEL_2X)) ACTSU_81 = 'MODEL_'.
IF ((ACTSU_81='111111')&(SUACTION_8 = PROMOT2X)) ACTSU_81 = 'PROMOT'.
IF ((ACTSU_81='111111')&(SUACTION_8 = PATENT2X)) ACTSU_81 = 'PATENT'.

```

IF ((ACTSU_81='111111')&(SUACT_8 = PURCHA2X)) ACTSU_81 = 'PURCHA'.
*.
IF ((ACTSU_81='111111')&(SUACT_8 = LEASE_2X)) ACTSU_81 = 'LEASE_'.
IF ((ACTSU_81='111111')&(SUACT_8 = DFNMKT2X)) ACTSU_81 = 'DFNMKT'.
IF ((ACTSU_81='111111')&(SUACT_8 = FINPRJ2X)) ACTSU_81 = 'FINPRJ'.
IF ((ACTSU_81='111111')&(SUACT_8 = ONINV2X1)) ACTSU_81 = 'ONINV1'.
IF ((ACTSU_81='111111')&(SUACT_8 = ASKFND2X)) ACTSU_81 = 'ASKFND'.
*.
IF ((ACTSU_81='111111')&(SUACT_8 = SUPCRD2X)) ACTSU_81 = 'SUPCRD'.
IF ((ACTSU_81='111111')&(SUACT_8 = FTWK_2X1)) ACTSU_81 = 'FTWK_1'.
IF ((ACTSU_81='111111')&(SUACT_8 = HIRE__2X)) ACTSU_81 = 'HIRE__'.
IF ((ACTSU_81='111111')&(SUACT_8 = BKACCT2X)) ACTSU_81 = 'BKACCT'.
IF ((ACTSU_81='111111')&(SUACT_8 = SALES_2X)) ACTSU_81 = 'SALES_'.
*.
IF ((ACTSU_81='111111')&(SUACT_8 = CSHFL_2X)) ACTSU_81 = 'CSHFL_'.
IF ((ACTSU_81='111111')&(SUACT_8 = PHLIST2X)) ACTSU_81 = 'PHLIST'.
IF ((ACTSU_81='111111')&(SUACT_8 = UNEMP_2X)) ACTSU_81 = 'UNEMP_'.
IF ((ACTSU_81='111111')&(SUACT_8 = FICA__2X)) ACTSU_81 = 'FICA__'.
IF ((ACTSU_81='111111')&(SUACT_8 = FEDTAX2X)) ACTSU_81 = 'FEDTAX'.
*.
IF ((ACTSU_81='111111')&(SUACT_8 = DANDB_2X)) ACTSU_81 = 'DANDB_'.
IF ((ACTSU_81='111111')&(SUACT_8 = SPACE_2X)) ACTSU_81 = 'SPACE_'.
IF ((ACTSU_81='111111')&(SUACT_8 = LEGAL_2X)) ACTSU_81 = 'LEGAL_'.
IF ((ACTSU_81='111111')&(SUACT_8 = LIABIS2X)) ACTSU_81 = 'LIABIS'.
IF ((ACTSU_81='111111')&(SUACT_8 = PRTECH2X)) ACTSU_81 = 'PRTECH'.
*.
IF ((ACTSU_81='111111')&(SUACT_8 = TLKCST2X)) ACTSU_81 = 'TLKCST'.
IF ((ACTSU_81='111111')&(SUACT_8 = IFOCPT2X)) ACTSU_81 = 'IFOCPT'.
IF ((ACTSU_81='111111')&(SUACT_8 = FNDREG2X)) ACTSU_81 = 'FNDREG'.
IF ((ACTSU_81='111111')&(SUACT_8 = GETFND2X)) ACTSU_81 = 'GETFND'.
IF ((ACTSU_81='111111')&(SUACT_8 = HRACCT2X)) ACTSU_81 = 'HRACCT'.
*.
IF ((ACTSU_81='111111')&(SUACT_8 = HRLAWR2X)) ACTSU_81 = 'HRLAWR'.
IF ((ACTSU_81='111111')&(SUACT_8 = TDASOC2X)) ACTSU_81 = 'TDASOC'.
IF ((ACTSU_81='111111')&(SUACT_8 = EIN___2X)) ACTSU_81 = 'EIN___'.
IF ((ACTSU_81='111111')&(SUACT_8 = DBA___2X)) ACTSU_81 = 'DBA___'.
IF ((ACTSU_81='111111')&(SUACT_8 = EQTAG2X1)) ACTSU_81 = 'EQTAG1'.
*.
IF ((ACTSU_81='111111')&(SUACT_8 = FINSPT2X)) ACTSU_81 = 'FINSPT'.
*.
EXECUTE.
*.
*.
* IDENTIFY SECOND SIMUTANEOUS START-UP ACT.
*.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'BUSPLN')&(SUACT_8 = BUSPLN2X))
ACTSU_82 ='BUSPLN'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'MODEL_')&(SUACT_8 = MODEL_2X))
ACTSU_82 ='MODEL_'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'PROMOT')&(SUACT_8 = PROMOT2X))
ACTSU_82 ='PROMOT'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'PATENT')&(SUACT_8 = PATENT2X))
ACTSU_82 ='PATENT'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'PURCHA')&(SUACT_8 = PURCHA2X))

```

```

ACTSU_82 ='PURCHA'.
*.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'LEASE_')&(SUACT_8 = LEASE_2X))
  ACTSU_82 ='LEASE_'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'DFNMKT')&(SUACT_8 = DFNMKT2X))
  ACTSU_82 ='DFNMKT'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'FINPRJ')&(SUACT_8 = FINPRJ2X))
  ACTSU_82 ='FINPRJ'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'ONINV1')&(SUACT_8 = ONINV2X1))
  ACTSU_82 ='ONINV1'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'ASKFND')&(SUACT_8 = ASKFND2X))
  ACTSU_82 ='ASKFND'.
*.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'SUPCRD')&(SUACT_8 = SUPCRD2X))
  ACTSU_82 ='SUPCRD'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'FTWK_1')&(SUACT_8 = FTWK_2X1))
  ACTSU_82 ='FTWK_1'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'HIRE__')&(SUACT_8 = HIRE__2X))
  ACTSU_82 ='HIRE__'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'BKACCT')&(SUACT_8 = BKACCT2X))
  ACTSU_82 ='BKACCT'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'SALES_')&(SUACT_8 = SALES_2X))
  ACTSU_82 ='SALES_'.
*.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'CSHFL_')&(SUACT_8 = CSHFL_2X))
  ACTSU_82 ='CSHFL_'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'PHLIST')&(SUACT_8 = PHLIST2X))
  ACTSU_82 ='PHLIST'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'UNEMP_')&(SUACT_8 = UNEMP_2X))
  ACTSU_82 ='UNEMP_'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'FICA_')&(SUACT_8 = FICA__2X))
  ACTSU_82 ='FICA__'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'FEDTAX')&(SUACT_8 = FEDTAX2X))
  ACTSU_82 ='FEDTAX'.
*.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'DANDB_')&(SUACT_8 = DANDB_2X))
  ACTSU_82 ='DANDB_'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'SPACE_')&(SUACT_8 = SPACE_2X))
  ACTSU_82 ='SPACE_'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'LEGAL_')&(SUACT_8 = LEGAL_2X))
  ACTSU_82 ='LEGAL_'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'LIABIS')&(SUACT_8 = LIABIS2X))
  ACTSU_82 ='LIABIS'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'PRTECH')&(SUACT_8 = PRTECH2X))
  ACTSU_82 ='PRTECH'.
*.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'TLKCST')&(SUACT_8 = TLKCST2X))
  ACTSU_82 ='TLKCST'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'IFOCPT')&(SUACT_8 = IFOCPT2X))
  ACTSU_82 ='IFOCPT'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'FNDREG')&(SUACT_8 = FNDREG2X))
  ACTSU_82 ='FNDREG'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'GETFND')&(SUACT_8 = GETFND2X))
  ACTSU_82 ='GETFND'.

```

```

IF ((ACTSU_82='222222')&(ACTSU_81 NE 'HRACCT')&(SUACT_8 = HRACCT2X))
  ACTSU_82 ='HRACCT'.
*.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'HRLAWR')&(SUACT_8 = HRLAWR2X))
  ACTSU_82 ='HRLAWR'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'TDASOC')&(SUACT_8 = TDASOC2X))
  ACTSU_82 ='TDASOC'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'EIN___')&(SUACT_8 = EIN___2X))
  ACTSU_82 ='EIN___'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'DBA___')&(SUACT_8 = DBA___2X))
  ACTSU_82 ='DBA___'.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'EQTAG1')&(SUACT_8 = EQTAG2X1))
  ACTSU_82 ='EQTAG1'.
*.
IF ((ACTSU_82='222222')&(ACTSU_81 NE 'FINSPT')&(SUACT_8 = FINSPT2X))
  ACTSU_82 ='FINSPT'.
*.
EXECUTE.
*.
* IDENTIFY THIRD SIMUTANEOUS START-UP ACT.
*.
*.
IF ((ACTSU_82 NE 'BUSPLN')&(ACTSU_81 NE 'BUSPLN')&(SUACT_8 = BUSPLN2X))
  ACTSU_83 ='BUSPLN'.
IF ((ACTSU_82 NE 'MODEL_')&(ACTSU_81 NE 'MODEL_')&(SUACT_8 = MODEL_2X))
  ACTSU_83 ='MODEL_'.
IF ((ACTSU_82 NE 'PROMOT')&(ACTSU_81 NE 'PROMOT')&(SUACT_8 = PROMOT2X))
  ACTSU_83 ='PROMOT'.
IF ((ACTSU_82 NE 'PATENT')&(ACTSU_81 NE 'PATENT')&(SUACT_8 = PATENT2X))
  ACTSU_83 ='PATENT'.
IF ((ACTSU_82 NE 'PURCHA')&(ACTSU_81 NE 'PURCHA')&(SUACT_8 = PURCHA2X))
  ACTSU_83 ='PURCHA'.
*.
IF ((ACTSU_82 NE 'LEASE_')&(ACTSU_81 NE 'LEASE_')&(SUACT_8 = LEASE_2X))
  ACTSU_83 ='LEASE_'.
IF ((ACTSU_82 NE 'DFNMKT')&(ACTSU_81 NE 'DFNMKT')&(SUACT_8 = DFNMKT2X))
  ACTSU_83 ='DFNMKT'.
IF ((ACTSU_82 NE 'FINPRJ')&(ACTSU_81 NE 'FINPRJ')&(SUACT_8 = FINPRJ2X))
  ACTSU_83 ='FINPRJ'.
IF ((ACTSU_82 NE 'ONINV1')&(ACTSU_81 NE 'ONINV1')&(SUACT_8 = ONINV2X1))
  ACTSU_83 ='ONINV1'.
IF ((ACTSU_82 NE 'ASKFND')&(ACTSU_81 NE 'ASKFND')&(SUACT_8 = ASKFND2X))
  ACTSU_83 ='ASKFND'.
*.
IF ((ACTSU_82 NE 'SUPCRD')&(ACTSU_81 NE 'SUPCRD')&(SUACT_8 = SUPCRD2X))
  ACTSU_83 ='SUPCRD'.
IF ((ACTSU_82 NE 'FTWK_1')&(ACTSU_81 NE 'FTWK_1')&(SUACT_8 = FTWK_2X1))
  ACTSU_83 ='FTWK_1'.
IF ((ACTSU_82 NE 'HIRE__')&(ACTSU_81 NE 'HIRE__')&(SUACT_8 = HIRE__2X))
  ACTSU_83 ='HIRE__'.
IF ((ACTSU_82 NE 'BKACCT')&(ACTSU_81 NE 'BKACCT')&(SUACT_8 = BKACCT2X))
  ACTSU_83 ='BKACCT'.
IF ((ACTSU_82 NE 'SALES_')&(ACTSU_81 NE 'SALES_')&(SUACT_8 = SALES_2X))
  ACTSU_83 ='SALES_'.

```

```

*.
IF ((ACTSU_82 NE 'CSHFL_')&(ACTSU_81 NE 'CSHFL_')&(SUACT_8 = CSHFL_2X))
  ACTSU_83 ='CSHFL_'.
IF ((ACTSU_82 NE 'PHLIST')&(ACTSU_81 NE 'PHLIST')&(SUACT_8 = PHLIST2X))
  ACTSU_83 ='PHLIST'.
IF ((ACTSU_82 NE 'UNEMP_')&(ACTSU_81 NE 'UNEMP_')&(SUACT_8 = UNEMP_2X))
  ACTSU_83 ='UNEMP_'.
IF ((ACTSU_82 NE 'FICA__')&(ACTSU_81 NE 'FICA__')&(SUACT_8 = FICA__2X))
  ACTSU_83 ='FICA__'.
IF ((ACTSU_82 NE 'FEDTAX')&(ACTSU_81 NE 'FEDTAX')&(SUACT_8 = FEDTAX2X))
  ACTSU_83 ='FEDTAX'.
*.
IF ((ACTSU_82 NE 'DANDB_')&(ACTSU_81 NE 'DANDB_')&(SUACT_8 = DANDB_2X))
  ACTSU_83 ='DANDB_'.
IF ((ACTSU_82 NE 'SPACE_')&(ACTSU_81 NE 'SPACE_')&(SUACT_8 = SPACE_2X))
  ACTSU_83 ='SPACE_'.
IF ((ACTSU_82 NE 'LEGAL_')&(ACTSU_81 NE 'LEGAL_')&(SUACT_8 = LEGAL_2X))
  ACTSU_83 ='LEGAL_'.
IF ((ACTSU_82 NE 'LIABIS')&(ACTSU_81 NE 'LIABIS')&(SUACT_8 = LIABIS2X))
  ACTSU_83 ='LIABIS'.
IF ((ACTSU_82 NE 'PRTECH')&(ACTSU_81 NE 'PRTECH')&(SUACT_8 = PRTECH2X))
  ACTSU_83 ='PRTECH'.
*.
IF ((ACTSU_82 NE 'TLKCST')&(ACTSU_81 NE 'TLKCST')&(SUACT_8 = TLKCST2X))
  ACTSU_83 ='TLKCST'.
IF ((ACTSU_82 NE 'IFOCPT')&(ACTSU_81 NE 'IFOCPT')&(SUACT_8 = IFOCPT2X))
  ACTSU_83 ='IFOCPT'.
IF ((ACTSU_82 NE 'FNDREG')&(ACTSU_81 NE 'FNDREG')&(SUACT_8 = FNDREG2X))
  ACTSU_83 ='FNDREG'.
IF ((ACTSU_82 NE 'GETFND')&(ACTSU_81 NE 'GETFND')&(SUACT_8 = GETFND2X))
  ACTSU_83 ='GETFND'.
IF ((ACTSU_82 NE 'HRACCT')&(ACTSU_81 NE 'HRACCT')&(SUACT_8 = HRACCT2X))
  ACTSU_83 ='HRACCT'.
*.
IF ((ACTSU_82 NE 'HRLAWR')&(ACTSU_81 NE 'HRLAWR')&(SUACT_8 = HRLAWR2X))
  ACTSU_83 ='HRLAWR'.
IF ((ACTSU_82 NE 'TDASOC')&(ACTSU_81 NE 'TDASOC')&(SUACT_8 = TDASOC2X))
  ACTSU_83 ='TDASOC'.
IF ((ACTSU_82 NE 'EIN___')&(ACTSU_81 NE 'EIN___')&(SUACT_8 = EIN___2X))
  ACTSU_83 ='EIN___'.
IF ((ACTSU_82 NE 'DBA___')&(ACTSU_81 NE 'DBA___')&(SUACT_8 = DBA___2X))
  ACTSU_83 ='DBA___'.
IF ((ACTSU_82 NE 'EQTAG1')&(ACTSU_81 NE 'EQTAG1')&(SUACT_8 = EQTAG2X1))
  ACTSU_83 ='EQTAG1'.
*.
IF ((ACTSU_82 NE 'FINSPT')&(ACTSU_81 NE 'FINSPT')&(SUACT_8 = FINSPT2X))
  ACTSU_83 ='FINSPT'.
*.
EXECUTE.
*.
*   IDENTIFY FOURTH SIMUTANEOUS START-UP ACT.
*.
IF ((ACTSU_83 NE 'BUSPLN')&(ACTSU_82 NE 'BUSPLN')&(ACTSU_81 NE 'BUSPLN')
  &(SUACT_8 = BUSPLN2X)) ACTSU_84 ='BUSPLN'.

```

IF ((ACTSU_83 NE 'MODEL_')&(ACTSU_82 NE 'MODEL_')&(ACTSU_81 NE 'MODEL_')
&(SUACT_8 = MODEL_2X)) ACTSU_84 ='MODEL_'.

IF ((ACTSU_83 NE 'PROMOT')&(ACTSU_82 NE 'PROMOT')&(ACTSU_81 NE 'PROMOT')
&(SUACT_8 = PROMOT2X)) ACTSU_84 ='PROMOT'.

IF ((ACTSU_83 NE 'PATENT')&(ACTSU_82 NE 'PATENT')&(ACTSU_81 NE 'PATENT')
&(SUACT_8 = PATENT2X)) ACTSU_84 ='PATENT'.

IF ((ACTSU_83 NE 'PURCHA')&(ACTSU_82 NE 'PURCHA')&(ACTSU_81 NE 'PURCHA')
&(SUACT_8 = PURCHA2X)) ACTSU_84 ='PURCHA'.

*.

IF ((ACTSU_83 NE 'LEASE_')&(ACTSU_82 NE 'LEASE_')&(ACTSU_81 NE 'LEASE_')
&(SUACT_8 = LEASE_2X)) ACTSU_84 ='LEASE_'.

IF ((ACTSU_83 NE 'DFNMKT')&(ACTSU_82 NE 'DFNMKT')&(ACTSU_81 NE 'DFNMKT')
&(SUACT_8 = DFNMKT2X)) ACTSU_84 ='DFNMKT'.

IF ((ACTSU_83 NE 'FINPRJ')&(ACTSU_82 NE 'FINPRJ')&(ACTSU_81 NE 'FINPRJ')
&(SUACT_8 = FINPRJ2X)) ACTSU_84 ='FINPRJ'.

IF ((ACTSU_83 NE 'ONINV1')&(ACTSU_82 NE 'ONINV1')&(ACTSU_81 NE 'ONINV1')
&(SUACT_8 = ONINV2X1)) ACTSU_84 ='ONINV1'.

IF ((ACTSU_83 NE 'ASKFND')&(ACTSU_82 NE 'ASKFND')&(ACTSU_81 NE 'ASKFND')
&(SUACT_8 = ASKFND2X)) ACTSU_84 ='ASKFND'.

*.

IF ((ACTSU_83 NE 'SUPCRD')&(ACTSU_82 NE 'SUPCRD')&(ACTSU_81 NE 'SUPCRD')
&(SUACT_8 = SUPCRD2X)) ACTSU_84 ='SUPCRD'.

IF ((ACTSU_83 NE 'FTWK_1')&(ACTSU_82 NE 'FTWK_1')&(ACTSU_81 NE 'FTWK_1')
&(SUACT_8 = FTWK_2X1)) ACTSU_84 ='FTWK_1'.

IF ((ACTSU_83 NE 'HIRE_')&(ACTSU_82 NE 'HIRE_')&(ACTSU_81 NE 'HIRE_')
&(SUACT_8 = HIRE_2X)) ACTSU_84 ='HIRE_'.

IF ((ACTSU_83 NE 'BKACCT')&(ACTSU_82 NE 'BKACCT')&(ACTSU_81 NE 'BKACCT')
&(SUACT_8 = BKACCT2X)) ACTSU_84 ='BKACCT'.

IF ((ACTSU_83 NE 'SALES_')&(ACTSU_82 NE 'SALES_')&(ACTSU_81 NE 'SALES_')
&(SUACT_8 = SALES_2X)) ACTSU_84 ='SALES_'.

*.

IF ((ACTSU_83 NE 'CSHFL_')&(ACTSU_82 NE 'CSHFL_')&(ACTSU_81 NE 'CSHFL_')
&(SUACT_8 = CSHFL_2X)) ACTSU_84 ='CSHFL_'.

IF ((ACTSU_83 NE 'PHLIST')&(ACTSU_82 NE 'PHLIST')&(ACTSU_81 NE 'PHLIST')
&(SUACT_8 = PHLIST2X)) ACTSU_84 ='PHLIST'.

IF ((ACTSU_83 NE 'UNEMP_')&(ACTSU_82 NE 'UNEMP_')&(ACTSU_81 NE 'UNEMP_')
&(SUACT_8 = UNEMP_2X)) ACTSU_84 ='UNEMP_'.

IF ((ACTSU_83 NE 'FICA_')&(ACTSU_82 NE 'FICA_')&(ACTSU_81 NE 'FICA_')
&(SUACT_8 = FICA_2X)) ACTSU_84 ='FICA_'.

IF ((ACTSU_83 NE 'FEDTAX')&(ACTSU_82 NE 'FEDTAX')&(ACTSU_81 NE 'FEDTAX')
&(SUACT_8 = FEDTAX2X)) ACTSU_84 ='FEDTAX'.

*.

IF ((ACTSU_83 NE 'DANDB_')&(ACTSU_82 NE 'DANDB_')&(ACTSU_81 NE 'DANDB_')
&(SUACT_8 = DANDB_2X)) ACTSU_84 ='DANDB_'.

IF ((ACTSU_83 NE 'SPACE_')&(ACTSU_82 NE 'SPACE_')&(ACTSU_81 NE 'SPACE_')
&(SUACT_8 = SPACE_2X)) ACTSU_84 ='SPACE_'.

IF ((ACTSU_83 NE 'LEGAL_')&(ACTSU_82 NE 'LEGAL_')&(ACTSU_81 NE 'LEGAL_')
&(SUACT_8 = LEGAL_2X)) ACTSU_84 ='LEGAL_'.

IF ((ACTSU_83 NE 'LIABIS')&(ACTSU_82 NE 'LIABIS')&(ACTSU_81 NE 'LIABIS')
&(SUACT_8 = LIABIS2X)) ACTSU_84 ='LIABIS'.

IF ((ACTSU_83 NE 'PRTECH')&(ACTSU_82 NE 'PRTECH')&(ACTSU_81 NE 'PRTECH')
&(SUACT_8 = PRTECH2X)) ACTSU_84 ='PRTECH'.

*.

IF ((ACTSU_83 NE 'TLKCST')&(ACTSU_82 NE 'TLKCST')&(ACTSU_81 NE 'TLKCST')

```

&(SUACT_8 = TLKCST2X)) ACTSU_84 ='TLKCST'.
IF ((ACTSU_83 NE 'IFOCPT')&(ACTSU_82 NE 'IFOCPT')&(ACTSU_81 NE 'IFOCPT')
&(SUACT_8 = IFOCPT2X)) ACTSU_84 ='IFOCPT'.
IF ((ACTSU_83 NE 'FNDREG')&(ACTSU_82 NE 'FNDREG')&(ACTSU_81 NE 'FNDREG')
&(SUACT_8 = FNDREG2X)) ACTSU_84 ='FNDREG'.
IF ((ACTSU_83 NE 'GETFND')&(ACTSU_82 NE 'GETFND')&(ACTSU_81 NE 'GETFND')
&(SUACT_8 = GETFND2X)) ACTSU_84 ='GETFND'.
IF ((ACTSU_83 NE 'HRACCT')&(ACTSU_82 NE 'HRACCT')&(ACTSU_81 NE 'HRACCT')
&(SUACT_8 = HRACCT2X)) ACTSU_84 ='HRACCT'.
*.
IF ((ACTSU_83 NE 'HRLAWR')&(ACTSU_82 NE 'HRLAWR')&(ACTSU_81 NE 'HRLAWR')
&(SUACT_8 = HRLAWR2X)) ACTSU_84 ='HRLAWR'.
IF ((ACTSU_83 NE 'TDASOC')&(ACTSU_82 NE 'TDASOC')&(ACTSU_81 NE 'TDASOC')
&(SUACT_8 = TDASOC2X)) ACTSU_84 ='TDASOC'.
IF ((ACTSU_83 NE 'EIN___')&(ACTSU_82 NE 'EIN___')&(ACTSU_81 NE 'EIN___')
&(SUACT_8 = EIN___2X)) ACTSU_84 ='EIN___'.
IF ((ACTSU_83 NE 'DBA___')&(ACTSU_82 NE 'DBA___')&(ACTSU_81 NE 'DBA___')
&(SUACT_8 = DBA___2X)) ACTSU_84 ='DBA___'.
IF ((ACTSU_83 NE 'EQTAG1')&(ACTSU_82 NE 'EQTAG1')&(ACTSU_81 NE 'EQTAG1')
&(SUACT_8 = EQTAG2X1)) ACTSU_84 ='EQTAG1'.
*.
IF ((ACTSU_83 NE 'FINSPT')&(ACTSU_82 NE 'FINSPT')&(ACTSU_81 NE 'FINSPT')
&(SUACT_8 = FINSPT2X)) ACTSU_84 ='FINSPT'.
*.
EXECUTE.
*.
MISSING VALUES ACTSU_81 ('111111') ACTSU_82 ('222222') ACTSU_83 ('333333')
ACTSU_84 ('444444').
EXECUTE.
*.
FREQ VAR ACTSU_81 ACTSU_82 ACTSU_83 ACTSU_84/FORMAT = DFREQ/STAT ALL.
EXECUTE.
*.
*=====
*.
* COMPUTE LAGS BETWEEN ACTS, IN MONTHS.
*=====
*.
COMPUTE SUACT_12 = ((SUACT_2 - SUACT_1)/30.4375).
COMPUTE SUACT_13 = ((SUACT_3 - SUACT_1)/30.4375).
COMPUTE SUACT_14 = ((SUACT_8 - SUACT_1)/30.4375).
COMPUTE SUACT_15 = ((SUACT_5 - SUACT_1)/30.4375).
COMPUTE SUACT_16 = ((SUACT_6 - SUACT_1)/30.4375).
COMPUTE SUACT_17 = ((SUACT_7 - SUACT_1)/30.4375).
COMPUTE SUACT_18 = ((SUACT_8 - SUACT_1)/30.4375).
*.
COMPUTE SUACT_23 = ((SUACT_3 - SUACT_2)/30.4375).
COMPUTE SUACT_24 = ((SUACT_4 - SUACT_2)/30.4375).
COMPUTE SUACT_25 = ((SUACT_5 - SUACT_2)/30.4375).
COMPUTE SUACT_26 = ((SUACT_6 - SUACT_2)/30.4375).
COMPUTE SUACT_27 = ((SUACT_7 - SUACT_2)/30.4375).
COMPUTE SUACT_28 = ((SUACT_8 - SUACT_2)/30.4375).
*.

```



```

COMPUTE SUACT_34 = ((SUACT_4 - SUACT_3)/30.4375).
COMPUTE SUACT_35 = ((SUACT_5 - SUACT_3)/30.4375).
COMPUTE SUACT_36 = ((SUACT_6 - SUACT_3)/30.4375).
COMPUTE SUACT_37 = ((SUACT_7 - SUACT_3)/30.4375).
COMPUTE SUACT_38 = ((SUACT_8 - SUACT_3)/30.4375).
*.
COMPUTE SUACT_45 = ((SUACT_5 - SUACT_4)/30.4375).
COMPUTE SUACT_46 = ((SUACT_6 - SUACT_4)/30.4375).
COMPUTE SUACT_47 = ((SUACT_7 - SUACT_4)/30.4375).
COMPUTE SUACT_48 = ((SUACT_8 - SUACT_4)/30.4375).
*.
COMPUTE SUACT_56 = ((SUACT_6 - SUACT_5)/30.4375).
COMPUTE SUACT_57 = ((SUACT_7 - SUACT_5)/30.4375).
COMPUTE SUACT_58 = ((SUACT_8 - SUACT_5)/30.4375).
*.
COMPUTE SUACT_67 = ((SUACT_7 - SUACT_6)/30.4375).
COMPUTE SUACT_68 = ((SUACT_8 - SUACT_6)/30.4375).
*.
COMPUTE SUACT_78 = ((SUACT_8 - SUACT_7)/30.4375).
*.

```

VARIABLE LABEL

```

SUACT_12 'MONTHS:1ST TO 2ND START UP ACT'/
SUACT_13 'MONTHS:1ST TO 3RD START UP ACT'/
SUACT_14 'MONTHS:1ST TO 4TH START UP ACT'/
SUACT_15 'MONTHS:1ST TO 5TH START UP ACT'/
SUACT_16 'MONTHS:1ST TO 6TH START UP ACT'/
SUACT_17 'MONTHS:1ST TO 7TH START UP ACT'/
SUACT_18 'MONTHS:1ST TO 8TH START UP ACT'/
SUACT_23 'MONTHS:2ND TO 3RD START UP ACT'/
SUACT_24 'MONTHS:2ND TO 4TH START UP ACT'/
SUACT_25 'MONTHS:2ND TO 5TH START UP ACT'/
SUACT_26 'MONTHS:2ND TO 6TH START UP ACT'/
SUACT_27 'MONTHS:2ND TO 7TH START UP ACT'/
SUACT_28 'MONTHS:2ND TO 8TH START UP ACT'/
SUACT_34 'MONTHS:3RD TO 4TH START UP ACT'/
SUACT_35 'MONTHS:3RD TO 5TH START UP ACT'/
SUACT_36 'MONTHS:3RD TO 6TH START UP ACT'/
SUACT_37 'MONTHS:3RD TO 7TH START UP ACT'/
SUACT_38 'MONTHS:3RD TO 8TH START UP ACT'/
SUACT_45 'MONTHS:4TH TO 5TH START UP ACT'/
SUACT_46 'MONTHS:4TH TO 6TH START UP ACT'/
SUACT_47 'MONTHS:4TH TO 5TH START UP ACT'/
SUACT_48 'MONTHS:4TH TO 6TH START UP ACT'/
SUACT_56 'MONTHS:5TH TO 6TH START UP ACT'/
SUACT_57 'MONTHS:5TH TO 7TH START UP ACT'/
SUACT_58 'MONTHS:5TH TO 8TH START UP ACT'/
SUACT_67 'MONTHS:6TH TO 7TH START UP ACT'/
SUACT_68 'MONTHS:6TH TO 8TH START UP ACT'/
SUACT_78 'MONTHS:7TH TO 8TH START UP ACT'.

```

```

*.
DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3 SUACT_4 SUACT_5 SUACT_6
SUACT_7 SUACT_8
SUACT_12 TO SUACT_78.
*.

```

```
*.  
COMPUTE CPT_IWDT          = ((IWDATE_A - SUACT_1)/30.4375).  
FORMAT CPT_IWDT (F6.2).  
VARIABLE LABEL  
    CPT_IWDT      'HISTORY:1ST EVENT--1ST DETAILED PH INTW'.  
*.  
FREQ VAR CPT_IWDT/FORMAT ONEPAGE/HISTOGRAM NORMAL/STAT ALL.  
*.  
* DESCRIPTIVES ALL.  
*.  
SAVE OUTFILE= 'C:\PSED_II\WAVE_F\SPSS_SAV\ACTS_F03.SAV'.  
EXPORT OUTFILE= 'C:\PSED_II\WAVE_F\SPSS_OUT\ACTS_F03.POR'.  
*.  
FINISH.  
EXIT.
```

TITLE 'C:\PSED_II\WAVE_D\SPSS_PRO\ACTS_F04.SPS'.
SUBTITLE 'LOCATE PSED II CONCEPTION DATE USING ALL ACTS'.

*.
* SPSS 15 SYNTAX REVISED FROM SPSS PC SYNTAX.

*.
*=====
SET HEADER = YES
/ERRORS = LISTING
/RESULTS = LISTING
/PRINTBACK = LISTING
/MESSAGES = LISTING
/ONUMBERS = BOTH
/OVARS = BOTH
/TNUMBERS = BOTH
/TVARS = BOTH
/TFIT = LABELS.

*.
SHOW.
*.
* SPSS-PC COMMAND STATEMENTS.

*.
*=====
* USE STANDARDIZED PROCEDURE FOR PSED I, PSED II START-UP ACTS .
* TO CREATE A CONCEPTION DATE USING ALL PSED II ACTS .

*.
*=====
* GET FILE= 'C:\PSED_II\WAVE_F\SPSS_SAV\ACTS_F03.SAV'.

*.
WEIGHT OFF.

*.
*=====
* DEVELOP CASEKEEP VARIABLE, START WITH IDENTIFYING ALL CASES WITH.
* POSITIVE MONTHLY CASH FLOW IN ANY PERIODS OVER SIX MONTHS PRIOR.
* TO THE INITIAL DETAILED PHONE INTERVIEW .

*.
* THIS IS CONSISTENT WITH THE PSED II SCREENING, WHICH EXCLUDED CASES.
* WITH POSITIVE MONTHLY CASH FLOW FOR MORE THAN 6 OF 12 MONTHS PRIOR.
* TO THE SCREENING INTERVIEW.

*.
* CASEK_2C IS CASEKEEP FOR PSED II BASED ON WAVES A, B, C, D, E & F.

*.
*=====
*=====
* FREQ VAR CSH_sLAG CSH_ALAG/HISTOGRAM NORMAL/STAT ALL/ORDER VARIABLES.
EXECUTE.

```

*
*
*=====
*
* CRITERIA FOR INITIAL CONCEPTION POINT .
*
*=====
*
COMPUTE CPT_MY = 9999999.
VARIABLE LABEL
    CPT_MY 'CONCEPT MTH,YR:BASED ON 2 ACT W/N 12 MTHS'.
*
FORMAT CPT_MY (F7.0).
*
IF (SUACT_12 LE 12.00) CPT_MY = SUACT_1.
*
IF ((SUACT_12 GT 12.00)&(SUACT_23 LE 12.00)) CPT_MY = SUACT_2.
*
IF ((SUACT_12 GT 12.00)&(SUACT_23 GT 12.00)&
(SUACT_34 LT 12.00)) CPT_MY = SUACT_3.
*
IF ((SUACT_12 GT 12.00)&(SUACT_23 GT 12.00)&
(SUACT_34 GT 12.00)&(SUACT_45 LE 12.00)) CPT_MY = SUACT_4.
*
IF ((SUACT_12 GT 12.00)&(SUACT_23 GT 12.00)&
(SUACT_34 GT 12.00)&(SUACT_45 GT 12.00)&
(SUACT_56 LT 12.00)) CPT_MY = SUACT_5.
*
IF ((SUACT_12 GT 12.00)&(SUACT_23 GT 12.00)&
(SUACT_34 GT 12.00)&(SUACT_45 GT 12.00)&
(SUACT_56 GT 12.00)&(SUACT_67 LE 12.00)) CPT_MY = SUACT_6.
*
IF ((SUACT_12 GT 12.00)&(SUACT_23 GT 12.00)&
(SUACT_34 GT 12.00)&(SUACT_45 GT 12.00)&
(SUACT_56 GT 12.00)&(SUACT_67 LE 12.00)&
(SUACT_78 LE 12.00)) CPT_MY = SUACT_7.
*
*
MISSING VALUES CPT_MY (9999999).
*
COMPUTE CPT_ALAG = ((CPT_MY - IWDATE_A)/30.4375).
*
FORMAT CPT_MY (F7.0) CPT_ALAG (F6.2).
VARIABLE LABEL
    CPT_ALAG 'MTHS LAG, CONCEPT TO WAVE A INTERVIEW'.
*
COMPUTE C_CSFL_X = ((CSHFL_2X - CPT_MY)/30.4375).
COMPUTE WA_CSFLX = ((IWDATE_A - CSHFL_2X)/30.4375).
*
VARIABLE LABEL
    C_CSFL_X 'MTHS:CONCEPTION TO POS MTH CASH FLOW'/
    WA_CSFLX 'MTHS:POS MTH CASH FLOW TO WAVE A INT'.
*
DESCRIPTIVES VAR = CPT_MY CPT_ALAG C_CSFL_X WA_CSFLX.

```

```

*.
FREQ VAR CPT_ALAG C_CSFL_X WA_CSFLX
  /FORMAT ONEPAGE
  /HISTOGRAM NORMAL
  /STAT ALL
  /ORDER VARIABLES.
*.
EXECUTE.
*.
=====
*.
*   DROP CASES WITH POSITIVE MONTHLY CASH FLOW 12 MONTHS BEFORE SCREEN.
*   REFLECTS SCREEN CRITERIA AND ISSUES WITH DIVERSITY IN.
*   FIRM BIRTH CRITERIA.
*.
*   DEFINED CASEKEEP FOR PSED II BASED ON WAVES A, B, C, D, E & F.
*.
=====
*.
COMPUTE CASEK_2C = 0.
IF (CSH_SLAG GT 12.00) CASEK_2C = 90.
VARIABLE LABEL
  CASEK_2C 'IDENTIFY CASES OF LESS SERIOUS EFFORTS> 0'.
VALUE LABELS CASEK_2C
  0 'GOOD CASE'
  90 'CASH FLOW 12 MO B4 SCRN'.
*.
FREQ VAR CASEK_2C/STAT ALL.
WEIGHT OFF.
*.
TEMPORARY.
SELECT IF (CASEK_2C LT 90).
FREQ VAR CSH_SLAG/STAT ALL.
*.
=====
*.
*   IDENTIFY CASES WITH LESS THAN 3 START-UP ACTS.
*.
*   USE ABSENCE OF DATA ON THIRD START-UP ACT IN SEQUENCE.
*.
=====
*.
DESCRIPTIVES VAR SUACT_1 SUACT_2 SUACT_3.
*.
IF ((CASEK_2C LT 90) & (MISSING(SUACT_3) = 1)) CASEK_2C = 80.
*.
ADD VALUE LABEL CASEK_2C
  80 'LESS THAN 3 ACTS'.
FREQ VAR CASEK_2C.
*.
DESCRIPTIVES VAR = SAMPID
  CPT_MY CPT_ALAG C_CSFL_X WA_CSFLX.
*.
*.

```

EXECUTE.

*.

=====

*.

* IDENTIFY CASES WHERE MORE THAN 12 MONTHS BETWEEN ANY TWO .
* START-UP EVENTS

*.

=====

*.

FREQ VAR CPT_MY CASEK_2C/FORMAT ONEPAGE/STAT ALL.

*.

IF ((CASEK_2C LT 80)&(MISSING(CPT_MY) = 1)) CASEK_2C = 70.

*.

ADD VALUE LABELS CASEK_2C
70 '>12 MTH ACT GAP'.

FREQ VAR CASEK_2C.

*.

*.

EXECUTE.

*.

*.

=====

*.

* IDENTIFY CASES WITH POSITIVE MONTHLY CASH FLOW BEFORE .
* CONCEPTION.

*.

=====

*.

FREQ VAR CASEK_2C/FORMAT ONEPAGE/ORDER VARIABLES.

WEIGHT OFF.

FREQ VAR CASEK_2C C_CSFL_X/FORMAT ONEPAGE/ORDER VARIABLES/STAT ALL.

*.

TEMPORARY.

SELECT IF (CASEK_2C LT 60).

FREQ VAR CASEK_2C C_CSFL_X/FORMAT ONEPAGE/ORDER VARIABLES/STAT ALL.

EXECUTE.

*.

IF ((CASEK_2C LT 70)&(C_CSFL_X LT 00.00)) CASEK_2C = 60.

*.

ADD VALUE LABEL CASEK_2C
60 'CSH FL BF CONCEPT'.

*.

FREQ VAR CASEK_2C.

*.

DESCRIPTIVES VAR =
CPT_MY CPT_ALAG C_CSFL_X WA_CSFLX.

*.

EXECUTE.

*.

=====

*.

* IDENTIFY CASES WITH WAVE A TO CONCEPTION LAG IN .
* IN EXCESS OF 120 MONTHS--10 YEARS.

```

*.
*=====
*.
FREQ VAR CASEK_2C/FORMAT ONEPAGE/ORDER VARIABLES.
*.
TEMPORARY.
SELECT IF ((CASEK_2C LT 60) AND (CPT_ALAG LT -50)).
FREQ VAR CPT_ALAG/FORMAT ONEPAGE/ORDER VARIABLES.
*.
IF ((CASEK_2C LT 60)&(CPT_ALAG LT -120.00)) CASEK_2C = 50.
*.
ADD VALUE LABELS CASEK_2C
    50 '1ST ACT >10 YR B4 ITR'.
FREQ VAR CASEK_2C.
*.
DESCRIPTIVES VARS =
    SAMPID CSHFL_2X C_CSFL_X WA_CSFLX.
*.
*=====
*.
IDENTIFY CASES WITH NO FOLLOW-UP INTERVIEWS.
*.
*=====
*.
COMPUTE NO_WVB_F = 0.
*.
IF ((MISSING(IWDATE_B)=1)&(MISSING(IWDATE_C)=1)&(MISSING(IWDATE_D)=1)
    & (MISSING(IWDATE_E)=1)&(MISSING(IWDATE_F)=1)) NO_WVB_F = 1.
VARIABLE LABEL
    NO_WVB_F 'PSED II: NO FOLLOW-UP INTERVIEWS'.
*.
VALUE LABEL NO_WVB_F
    0 '1+ FOLLOWUPS'
    1 'NO WV B,C,D,E,F'.
FREQ VAR NO_WVB_F.
*.
*.
IF ((CASEK_2C LT 50) & (NO_WVB_F = 1)) CASEK_2C = 40.
*.
ADD VALUE LABELS CASEK_2C
    40 'NO FOLLOW-UP INTERVIEWS'.
*.
WEIGHT OFF.
*.
FREQ VAR CASEK_2C.
*.
*=====
*.
CREATE TWO GOOD CASE VARIABLES, ONE FOR WAVE A NE ASSESSMENTS.
THE SECOND FOR ANY FOLLOW-UP ACCESSIONS.
*.
*=====
*.

```

```

IF (CASEK_2C LT 40) GOODC_FU = 1.
IF (CASEK_2C LT 50) GOODC_NE = 1.
VARIABLE LABELS
  GOODC_FU 'CASES SUITABLE FOR ANALYSIS INVOLVING FOLLOW-UP DATE'/
  GOODC_NE 'CASES SUITABLE FOR ANALYSIS INVOLVING 1ST WAVE RESP'.
*.
VALUE LABELS GOODC_FU GOODC_NE
  90 'PROFITS B4 SCREEN'
  80 'LESS THAN 3 ACTS'
  70 'ACT GAP GT 12 MTHS'
  60 'CSH FL 2 MTHS B4 CONCEPT'
  50 'CONCEPT > 10 YRS B4 1ST IW'
  40 'NO FOLLOW-UP INTERVIEWS'.
*.
DESC VAR CASEK_2C GOODC_FU GOODC_NE.
FREQ VAR = CASEK_2C GOODC_FU GOODC_NE.
*.
*=====
*.
* COMPUTE WEIGHT FOR GOODCASES BASED ON WAVE Q WEIGHTS.
*.
*=====
*.
DESCRIPTIVE VAR WT_WAVEA WT_WAVEB WT_WAVEC WT_WAVED WT_WAVEE.
DESC VAR WT_WAVEF.
*.
IF (GOODC_NE = 1) WT_GD_NE = WT_WAVEA.
IF (GOODC_FU = 1) WT_GD_FU = WT_WAVEA.
*.
VARIABLE LABEL
  WT_GD_NE 'PSEDII:WT RE-CENTERED 4 GOODCASE NASCENT ENTREPRENEURS'/
  WT_GD_FU 'PSEDII:WT RE-CENTERED 4 GOODCASE FOLLOW-UP INTERVIEWS'.
WEIGHT OFF.
*.
DESC VAR= WT_GD_NE WT_GD_FU.
*.
COMPUTE WT_GD_NE = WT_GD_NE*(1/0.9912).
COMPUTE WT_GD_FU = WT_GD_FU*(1/0.9802).
*.
DESC VAR = WT_GD_NE WT_GD_FU.
*.
*=====
*=====
*.
SORT CASES BY SAMPID (A).
*.
SAVE OUTFILE= 'C:\PSED_II\WAVE_F\SPSS_SAV\ACTS_F04.SAV'.
EXPORT OUTFILE= 'C:\PSED_II\WAVE_F\SPSS_OUT\ACTS_F04.POR'.
*.
WEIGHT OFF.
FREQ VAR CASEK_2C/STAT ALL.
*.
DESC VAR = SAMPID CASEK_2C GOODC_NE GOODC_NE
  CSH_SLAG SUACT_3 CPT_MY C_CSFL_X CPT_ALAG NO_WVB_F.

```



```
*.  
SORT CASES BY CASEK_2C (A).  
TEMPORARY.  
SELECT IF (CASEK_2C GT 0).  
LIST VAR = SAMPID CASEK_2C GOODC_NE GOODC_NE  
        CSH_SLAG SUACT_3 CPT_MY C_CSFL_X CPT_ALAG NO_WVB_F.  
*.  
FINISH.  
EXIT.
```

TITLE 'C:\PSED_II\WAVE_F\SPSS_PRO\ACTS_F05.SPS'.
SUBTITLE 'LOCATE PSED II CONCEPTION DATE USING ALL ACTS'.

*.
*.
* SPSS 15 SYNTAX REVISED FROM SPSS PC SYNTAX.
*.
*=====

SET HEADER = YES
/ERRORS = LISTING
/RESULTS = LISTING
/PRINTBACK = LISTING
/MESSAGES = LISTING
/ONUMBERS = BOTH
/OVARS = BOTH
/TNUMBERS = BOTH
/TVARS = BOTH
/TFIT = LABELS.

*.
SHOW.
*.
*.
* SPSS-PC COMMAND STATEMENTS.
*.
*=====

*.
* 19 JULY 2011 - USING FULL DATA FROM WAVES A,B,C,D,E & F.
*.
* TRACK OUTCOME STATUS, DATE FOR WAVE B,C,D, E, & F.
*.
* USE STANDARDIZED PROCEDURE FOR PSED II START-UP ACTS .
* TO CREATE A CONCEPTION DATE
*.
* ORIGINAL PROCEDURE CONVERET ALL VARIABLE NAMES TO PSED I NAMES.
* TO USE PREVIOUS SYNTAX FILES.
*.
* REVISED TO USE PSED II VARIABLE NAMES.
*.
*=====

*.
*.
* GET FILE= 'C:\PSED_II\WAVE_F\SPSS_SAV\ACTS_F04.SAV'.
* WEIGHT OFF.
* DESC VAR GOODC_FU GOODC_NE WT_GD_NE WT_GE_FU.
* FREQ VAR GOODC_FU GOODC_NE/STAT ALL/ORDER VARIABLES
*.
*=====

*.
* USE DATA FROM FA35 TO CREATE FA35A.
*.
*=====

*.
* FREQ VAR EA35A/ORDER VARIABLES.
* DISPLAY DICTIONARY/VARIABLES = FA35.

FREQ VAR FA35/ORDER VARIABLES.
FREQ VAR FA35A/ORDER VARIABLES.

*.
COMPUTE FA35A = 99.

VARIABLE LABEL
FA35A 'MONTH REVENUE EXCEEDED EXP W/SALARY'.

*.
IF (SAMPID = 50021) FA35A = 1.
IF (SAMPID = 50094) FA35A = 1.
IF (SAMPID = 50295) FA35A = 3.
IF (SAMPID = 50497) FA35A = 4.
IF (SAMPID = 50652) FA35A = 3.
IF (SAMPID = 50690) FA35A = 7.
IF (SAMPID = 50710) FA35A = 12.
IF (SAMPID = 50772) FA35A = 11.
IF (SAMPID = 50776) FA35A = 3.
IF (SAMPID = 50817) FA35A = 10.
IF (SAMPID = 50924) FA35A = 3.
IF (SAMPID = 50973) FA35A = 8.
IF (SAMPID = 51366) FA35A = 1.
IF (SAMPID = 51483) FA35A = 1.
IF (SAMPID = 51569) FA35A = 10.
IF (SAMPID = 51644) FA35A = 9.

*.
TEMPORARY.
SELECT IF (MISSING(FA35) NE 1).
LIST SAMPID FA35 FA35A.
DESCRIPTIVES VAR = SAMPID.

*.
VALUE LABELS FA35A

- 1 'January'
- 2 'February'
- 3 'March'
- 4 'April'
- 5 'May'
- 6 'June'
- 7 'July'
- 8 'August'
- 9 'September'
- 10 'October'
- 11 'November'
- 12 'December'
- 99 'MISSING'.

MISSING VALUES FA35A (99).
FREQ VAR FA35A.

*=====

*.
* IDENTIFY OUTCOME STATUS.
*.
*=====

*.
ADD VALUE LABELS BA50 CA50 DA50 EA50 FA50

```

1  'NEW FIRM'
2  'ACTIVE START-UP'
3  'QUIT'
9  'MISSING DATA'.

*.
FREQ VAR = CASEK_2C BA50 CA50 DA50 EA50 FA50 /STAT ALL/
ORDER VARIABLES.

*.
IF (SYSMISS(BA50) = 1) BA50 = 9.
IF (SYSMISS(CA50) = 1) CA50 = 9.
IF (SYSMISS(DA50) = 1) DA50 = 9.
IF (SYSMISS(EA50) = 1) EA50 = 9.
IF (SYSMISS(FA50) = 1) FA50 = 9.
EXECUTE.

*.
ADD VALUE LABELS BA50 CA50 DA50 EA50 FA50
1  'NEW FIRM'
2  'ACTIVE START-UP'
3  'QUIT'
9  'MISSING DATA'.

*.
FREQ VAR BA50 CA50 DA50 EA50 FA50/ORDER VARIABLES.

CROSSTABS TABLES BA50 BY CA50 DA50 EA50 FA50/
CA50 BY DA50 EA50 FA50/
DA50 BY EA50 FA50/
EA50 BY FA50/
CELL.
EXECUTE.

*.
COMPUTE NEWFRM_X = 0.
EXECUTE.
IF ((BA50=1) OR (CA50=1) OR (DA50=1) OR (EA50=1) OR (FA50=1))
NEWFRM_X = 1.
EXECUTE.

*.
COMPUTE QUIT__X = 0.
IF ((NEWFRM_X NE 1) AND ((BA50=3) OR (CA50=3) OR (DA50=3)
OR (EA50=3) OR (FA50=3)))
QUIT__X = 1.
EXECUTE.

*.
COMPUTE NFQUIT_X = 0.
IF ((NEWFRM_X = 1) AND ((BA50=3) OR (CA50=3) OR (DA50=3)
OR (EA50=3) OR (FA50=3)))
NFQUIT_X = 1.
EXECUTE.
DESC VAR QUIT__X NFQUIT_X.

*.
COMPUTE MISS__X = 0.
EXECUTE.
IF ((BA50=9) AND (CA50=9) AND (DA50=9)
AND (EA50=9) AND (FA50=9)) MISS__X = 1.
EXECUTE.

```

```

*.
COMPUTE ACTIVE_X = 0.
EXECUTE.
IF ((NEWFRM_X NE 1) AND (QUIT___X NE 1) AND (MISS___X NE 1))
  ACTIVE_X = 1.
EXECUTE.
*.
VARIABLE LABELS
  NEWFRM_X   'NEW FIRM   :OUTCOME STATUS-6 WAVES'/
  QUIT___X   'QUIT     :OUTCOME STATUS-6 WAVES'/
  NFQUIT_X   'NF THEN QUIT:OUTCOME STATUS-6 WAVES'/
  MISS___X   'NO DATA  :OUTCOME STATUS-6 WAVES'/
  ACTIVE_X   'ACTIVE SU  :OUTCOME STATUS-6 WAVES'.
VALUE LABELS NEWFRM_X QUIT___X MISS___X ACTIVE_X
  0   'NO STATUS'
  1   'QUALIFIES'.
EXECUTE.
FREQ VAR NEWFRM_X QUIT___X MISS___X ACTIVE_X/ORDER VARIABLES.
*.
COMPUTE STATUS_X = 9.
EXECUTE.
IF (NEWFRM_X = 1) STATUS_X = 1.
IF (ACTIVE_X = 1) STATUS_X = 2.
IF (QUIT___X = 1) STATUS_X = 3.
IF (MISS___X = 1) STATUS_X = 9.
VARIABLE LABEL
  STATUS_X   'CASE OUTCOME STATUS: 6 WAVE DATA'.
VALUE LABEL STATUS_X
  1   'NEW FIRM'
  2   'ACTIVE START-UP'
  3   'QUIT'
  9   'MISSING DATA'.
FREQ VAR STATUS_X.
EXECUTE.
*.
*=====
*.
* IDENTIFY DATES OUTCOME STATUS IDENTIFIED.
*.
* PRIMARY DATES FROM A43A,B FOR QUIT, SECONDARY FROM A16A,B.
* PRIMARY DATES FROM A35A,B FOR NEW FIRM, SECONDARY FROM A33A,B.
*.
*=====
*.
*.
MISSING VALUES
  BE16B CE16B DE16B EE16B FE16B (9998, 9999)
  BE16A CE16A DE16A EE16A FE16A (98, 99).
MISSING VALUES
  BA35B CA35B DA35B EA35B FA35B
  BA16B CA16B DA16B EA16B FA16B
  BA43B CA43B DA43B EA43B FA43B (9998, 9999)
  BA35A CA35A DA35A EA35A
  CA16A DA16A EA16A FA16A

```

BA43A CA43A DA43A EA43A FA43A (98, 99).

MISSING VALUES

FA35A (98, 99).

MISSING VALUES

BA16A (98, 99).

EXECUTE.

FREQ VAR

BE16B CE16B DE16B EE16B FE16B

BE16A CE16A DE16A EE16A FE16A

/ORDER VARIABLES.

FREQ VAR

BA35B CA35B DA35B EA35B FA35B

BA16B CA16B DA16B EA16B FA16B

BA43B CA43B DA43B EA43B FA43B

BA35A CA35A DA35A EA35A

CA16A DA16A EA16A FA16A

BA43A CA43A DA43A EA43A FA43A

/ORDER VARIABLES.

*.

FREQ VAR FA35A.

FREQ VAR BA16A.

*.

* WAVE B QUIT MONTH.

IF (BA43A = 13) BA43A = 2.

IF (BA43A = 14) BA43A = 5.

IF (BA43A = 15) BA43A = 8.

IF (BA43A = 16) BA43A = 11.

IF ((MISSING(BA43B) NE 1)&(MISSING(BA43A) = 1)) BA43A = 6.

*.

* WAVE C QUIT MONTH.

IF (CA43A = 13) CA43A = 2.

IF (CA43A = 14) CA43A = 5.

IF (CA43A = 15) CA43A = 8.

IF (CA43A = 16) CA43A = 11.

IF ((MISSING(CA43B) NE 1)&(MISSING(CA43A) = 1)) CA43A = 6.

*.

* WAVE D QUIT MONTH.

IF (DA43A = 13) DA43A = 2.

IF (DA43A = 14) DA43A = 5.

IF (DA43A = 15) DA43A = 8.

IF (DA43A = 16) DA43A = 11.

IF ((MISSING(DA43B) NE 1)&(MISSING(DA43A) = 1)) DA43A = 6.

*.

* WAVE E QUIT MONTH.

IF (EA43A = 13) EA43A = 2.

IF (EA43A = 14) EA43A = 5.

IF (EA43A = 15) EA43A = 8.

IF (EA43A = 16) EA43A = 11.

IF ((MISSING(EA43B) NE 1)&(MISSING(EA43A) = 1)) EA43A = 6.

*.

* WAVE F QUIT MONTH.

IF (FA43A = 13) FA43A = 2.

IF (FA43A = 14) FA43A = 5.

IF (FA43A = 15) FA43A = 8.

IF (FA43A = 16) FA43A = 11.
IF ((MISSING(FA43B) NE 1)&(MISSING(FA43A) = 1)) FA43A = 6.

*.
*.
* WAVE B QUIT MONTH, SECONDARY.

IF (BA16A = 13) BA16A = 2.
IF (BA16A = 14) BA16A = 5.
IF (BA16A = 15) BA16A = 8.
IF (BA16A = 16) BA16A = 11.
IF ((MISSING(BA16B) NE 1)&(MISSING(BA16A) = 1)) BA16A = 6.

*.
* WAVE C QUIT MONTH, SECONDARY.

IF (CA16A = 13) CA16A = 2.
IF (CA16A = 14) CA16A = 5.
IF (CA16A = 15) CA16A = 8.
IF (CA16A = 16) CA16A = 11.
IF ((MISSING(CA16B) NE 1)&(MISSING(CA16A) = 1)) CA16A = 6.

*.
* WAVE D QUIT MONTH, SECONDARY.

IF (DA16A = 13) DA16A = 2.
IF (DA16A = 14) DA16A = 5.
IF (DA16A = 15) DA16A = 8.
IF (DA16A = 16) DA16A = 11.
IF ((MISSING(DA16B) NE 1)&(MISSING(DA16A) = 1)) DA16A = 6.

*.
* WAVE E QUIT MONTH, SECONDARY.

IF (EA16A = 13) EA16A = 2.
IF (EA16A = 14) EA16A = 5.
IF (EA16A = 15) EA16A = 8.
IF (EA16A = 16) EA16A = 11.
IF ((MISSING(EA16B) NE 1)&(MISSING(EA16A) = 1)) EA16A = 6.

*.
* WAVE F QUIT MONTH, SECONDARY.

IF (FA16A = 13) FA16A = 2.
IF (FA16A = 14) FA16A = 5.
IF (FA16A = 15) FA16A = 8.
IF (FA16A = 16) FA16A = 11.
IF ((MISSING(FA16B) NE 1)&(MISSING(FA16A) = 1)) FA16A = 6.

*.
* WAVE B NEW FIRM BIRTH MONTH.

IF (BA35A = 13) BA35A = 2.
IF (BA35A = 14) BA35A = 5.
IF (BA35A = 15) BA35A = 8.
IF (BA35A = 16) BA35A = 11.
IF ((MISSING(BA35B) NE 1)&(MISSING(BA35A) = 1)) BA35A = 6.

*.
* WAVE C NEW FIRM BIRTH MONTH.

IF (CA35A = 13) CA35A = 2.
IF (CA35A = 14) CA35A = 5.
IF (CA35A = 15) CA35A = 8.
IF (CA35A = 16) CA35A = 11.
IF ((MISSING(CA35B) NE 1)&(MISSING(CA35A) = 1)) CA35A = 6.

*.
* WAVE D NEW FIRM BIRTH MONTH.

IF (DA35A = 13) DA35A = 2.
IF (DA35A = 14) DA35A = 5.
IF (DA35A = 15) DA35A = 8.
IF (DA35A = 16) DA35A = 11.
IF ((MISSING(DA35B) NE 1)&(MISSING(DA35A) = 1)) DA35A = 6.

*.
* WAVE E NEW FIRM BIRTH MONTH.

IF (EA35A = 13) EA35A = 2.
IF (EA35A = 14) EA35A = 5.
IF (EA35A = 15) EA35A = 8.
IF (EA35A = 16) EA35A = 11.
IF ((MISSING(EA35B) NE 1)&(MISSING(EA35A) = 1)) EA35A = 6.

*.
* WAVE F NEW FIRM BIRTH MONTH.

IF (FA35A = 13) FA35A = 2.
IF (FA35A = 14) FA35A = 5.
IF (FA35A = 15) FA35A = 8.
IF (FA35A = 16) FA35A = 11.
IF ((MISSING(FA35B) NE 1)&(MISSING(FA35A) = 1)) FA35A = 6.

*.
* WAVE B NEW FIRM BIRTH MONTH, SECONDARY.

IF (BE16A = 13) BE16A = 2.
IF (BE16A = 14) BE16A = 5.
IF (BE16A = 15) BE16A = 8.
IF (BE16A = 16) BE16A = 11.
IF ((MISSING(BE16B) NE 1)&(MISSING(BE16A) = 1)) BE16A = 6.

*.
* WAVE C NEW FIRM BIRTH MONTH, SECONDARY.

IF (CE16A = 13) CE16A = 2.
IF (CE16A = 14) CE16A = 5.
IF (CE16A = 15) CE16A = 8.
IF (CE16A = 16) CE16A = 11.
IF ((MISSING(CE16B) NE 1)&(MISSING(CE16A) = 1)) CE16A = 6.

*.
* WAVE D NEW FIRM BIRTH MONTH, SECONDARY.

IF (DE16A = 13) DE16A = 2.
IF (DE16A = 14) DE16A = 5.
IF (DE16A = 15) DE16A = 8.
IF (DE16A = 16) DE16A = 11.
IF ((MISSING(DE16B) NE 1)&(MISSING(DE16A) = 1)) DE16A = 6.

*.
* WAVE E NEW FIRM BIRTH MONTH, SECONDARY.

IF (EE16A = 13) EE16A = 2.
IF (EE16A = 14) EE16A = 5.
IF (EE16A = 15) EE16A = 8.
IF (EE16A = 16) EE16A = 11.
IF ((MISSING(EE16B) NE 1)&(MISSING(EE16A) = 1)) EE16A = 6.

*.
* WAVE F NEW FIRM BIRTH MONTH, SECONDARY.

IF (FE16A = 13) FE16A = 2.
IF (FE16A = 14) FE16A = 5.
IF (FE16A = 15) FE16A = 8.
IF (FE16A = 16) FE16A = 11.
IF ((MISSING(FE16B) NE 1)&(MISSING(FE16A) = 1)) FE16A = 6.


```

*.
*.
FREQ VAR
  BE16A CE16A DE16A EE16A FE16A/ORDER VARIABLES.
FREQ VAR
  BA35A CA35A DA35A EA35A
  CA16A DA16A EA16A FA16A
  BA43A CA43A DA43A EA43A FA43A
  /ORDER VARIABLES.
*.
FREQ VAR FA35A.
FREQ VAR BA16A.
*.
*=====
*.
*   TIME TO NEW FIRM OR QUIT, WORK FROM WAVE B TO WAVE E.
*.
*=====
*.
IF (STATUS_X = 1)   NEWF_DAT = (YRMODA(BA35B,BA35A,15)).
EXECUTE.
*.
IF   ((STATUS_X = 1)&(SYSMIS(NEWF_DAT) = 1))
      NEWF_DAT = (YRMODA(CA35B,CA35A,15)).
EXECUTE.
*.
IF   ((STATUS_X = 1)&(SYSMIS(NEWF_DAT) = 1))
      NEWF_DAT = (YRMODA(DA35B,DA35A,15)).
EXECUTE.
*.
IF   ((STATUS_X = 1)&(SYSMIS(NEWF_DAT) = 1))
      NEWF_DAT = (YRMODA(EA35B,EA35A,15)).
EXECUTE.
*.
IF   ((STATUS_X = 1)&(SYSMIS(NEWF_DAT) = 1))
      NEWF_DAT = (YRMODA(FA35B,FA35A,15)).
EXECUTE.
*.
FREQ VAR NEWF_DAT.
*.
*   USE SECONDARY DATES FOR THOSE WITH MISSING VALUES.
*.
IF   ((SYSMIS(NEWF_DAT) = 1) & (STATUS_X = 1))
      NEWF_DAT = (YRMODA(BE16B,BE16A,15)).
EXECUTE.
*.
IF   ((STATUS_X = 1)&(SYSMIS(NEWF_DAT) = 1))
      NEWF_DAT = (YRMODA(CE16B,CE16A,15)).
EXECUTE.
*.
IF   ((STATUS_X = 1)&(SYSMIS(NEWF_DAT) = 1))
      NEWF_DAT = (YRMODA(DE16B,DE16A,15)).
EXECUTE.
*.

```

```

IF ((STATUS_X = 1)&(SYSMIS(NEWF_DAT) = 1))
    NEWF_DAT = (YRMODA(EE16B,EE16A,15)).
EXECUTE.
*.
IF ((STATUS_X = 1)&(SYSMIS(NEWF_DAT) = 1))
    NEWF_DAT = (YRMODA(FE16B,FE16A,15)).
EXECUTE.
*.
*.
FREQ VAR NEWF_DAT.
*.
*=====
*.
* COMPUTE START-UP QUIT DATE.
*.
*=====
*.
IF (STATUS_X = 3)
    QUIT_DAT = (YRMODA(BA43B,BA43A,15)).
EXECUTE.
IF ((STATUS_X = 3)&(SYSMIS(QUIT_DAT) = 1))
    QUIT_DAT = (YRMODA(CA43B,CA43A,15)).
EXECUTE.
*.
IF ((STATUS_X = 3)&(SYSMIS(QUIT_DAT) = 1))
    QUIT_DAT = (YRMODA(DA43B,DA43A,15)).
EXECUTE.
*.
IF ((STATUS_X = 3)&(SYSMIS(QUIT_DAT) = 1))
    QUIT_DAT = (YRMODA(EA43B,EA43A,15)).
EXECUTE.
*.
IF ((STATUS_X = 3)&(SYSMIS(QUIT_DAT) = 1))
    QUIT_DAT = (YRMODA(FA43B,FA43A,15)).
EXECUTE.
*.
FREQ VAR QUIT_DAT.
*.
*.
IF ((STATUS_X = 3)&(SYSMIS(QUIT_DAT) = 1))
    QUIT_DAT = (YRMODA(BA16B,BA16A,15)).
EXECUTE.
IF ((STATUS_X = 3)&(SYSMIS(QUIT_DAT) = 1))
    QUIT_DAT = (YRMODA(CA16B,CA16A,15)).
EXECUTE.
*.
IF ((STATUS_X = 3)&(SYSMIS(QUIT_DAT) = 1))
    QUIT_DAT = (YRMODA(DA16B,DA16A,15)).
EXECUTE.
*.
IF ((STATUS_X = 3)&(SYSMIS(QUIT_DAT) = 1))
    QUIT_DAT = (YRMODA(EA16B,EA16A,15)).
EXECUTE.
*.

```

```

IF ((STATUS_X = 3)&(SYSMIS(QUIT_DAT) = 1))
    QUIT_DAT = (YRMODA(FA16B,FA16A,15)).
EXECUTE.
*.
FREQ VAR QUIT_DAT.
*.
*=====
*.
* COMPUTE NEW FIRM QUIT DATES.
*.
*=====
*.
IF (STATUS_X = 1)
    NFQT_DAT = (YRMODA(BA43B,BA43A,15)).
EXECUTE.
IF ((STATUS_X = 1)&(SYSMIS(NFQT_DAT) = 1))
    NFQT_DAT = (YRMODA(CA43B,CA43A,15)).
EXECUTE.
*.
IF ((STATUS_X = 1)&(SYSMIS(NFQT_DAT) = 1))
    NFQT_DAT = (YRMODA(DA43B,DA43A,15)).
EXECUTE.
*.
IF ((STATUS_X = 1)&(SYSMIS(NFQT_DAT) = 1))
    NFQT_DAT = (YRMODA(EA43B,EA43A,15)).
EXECUTE.
*.
IF ((STATUS_X = 1)&(SYSMIS(NFQT_DAT) = 1))
    NFQT_DAT = (YRMODA(FA43B,FA43A,15)).
EXECUTE.
*.
FREQ VAR NFQT_DAT.
*.
*.
IF ((STATUS_X = 1)&(SYSMIS(NFQT_DAT) = 1))
    NFQT_DAT = (YRMODA(BA16B,BA16A,15)).
EXECUTE.
IF ((STATUS_X = 1)&(SYSMIS(NFQT_DAT) = 1))
    NFQT_DAT = (YRMODA(CA16B,CA16A,15)).
EXECUTE.
*.
IF ((STATUS_X = 1)&(SYSMIS(NFQT_DAT) = 1))
    NFQT_DAT = (YRMODA(DA16B,DA16A,15)).
EXECUTE.
*.
IF ((STATUS_X = 1)&(SYSMIS(NFQT_DAT) = 1))
    NFQT_DAT = (YRMODA(EA16B,EA16A,15)).
EXECUTE.
*.
IF ((STATUS_X = 1)&(SYSMIS(NFQT_DAT) = 1))
    NFQT_DAT = (YRMODA(FA16B,FA16A,15)).
EXECUTE.
*.
FREQ VAR NFQT_DAT.

```

```

*
*
*-----
*
*   TIME TO ACTIVE START-UP, WORK BACKWARDS FROM E WAVE TO B WAVE.
*
*-----
*
IF   (STATUS_X = 2) SU_DATEX = (YRMODA(IWYEARF,IWMONTHF,IWDAYF)).
EXECUTE.
*
IF   ((STATUS_X = 2)&(MISSING(SU_DATEX)= 1))
      SU_DATEX = (YRMODA(IWYEARE,IWMONTHE,IWDAYE)).
EXECUTE.
*
IF   ((STATUS_X = 2)&(MISSING(SU_DATEX)= 1))
      SU_DATEX = (YRMODA(IWYEARD,IWMONTHD,IWDAYD)).
EXECUTE.
*
IF   ((STATUS_X = 2)&(MISSING(SU_DATEX)= 1))
      SU_DATEX = (YRMODA(IWYEARC,IWMONTHC,IWDAYC)).
EXECUTE.
*
IF   ((STATUS_X = 2)&(MISSING(SU_DATEX)= 1))
      SU_DATEX = (YRMODA(IWYEARB,IWMONTHB,IWDAYB)).
EXECUTE.
*
VARIABLE LABELS
  NEWF_DAT   'DATE NEW FIRM LAUNCHED'/
  QUIT_DAT   'DATE DISENGAGEMENT FROM START-UP PROCESS'/
  NFQT_DAT   'DATE NEW FIRM LATER REPORTS QUIT'/
  SU_DATEX   'DATE LAST REPORT START-UP ACTIVE,WAVE B,C,D,E,F'.
*
FREQ VAR NEWF_DAT QUIT_DAT NFQT_DAT SU_DATEX/HISTOGR TAM NORMAL
/STAT ALL/ORDER VARIABLES.
EXECUTE.
*
*-----
*
*   COMPUTE CONCEPTION TO OUTCOME TIMES.
*
*-----
*
COMPUTE C_NEWF = ((NEWF_DAT - CPT_MY)/30.4375).
COMPUTE C_QUIT = ((QUIT_DAT - CPT_MY)/30.4375).
COMPUTE C_SUACT = ((SU_DATEX - CPT_MY)/30.4375).
VARIABLE LABELS
  C_NEWF     'MONTHS:CONCEPTION TO NEW FIRM BIRTH'/
  C_QUIT     'MONTHS:CONCEPTION TO QUIT START-UP'/
  C_SUACT    'MONTHS:CONCEPTION TO STILL ACTIVE IN SU'.
*
WEIGHT OFF.
FREQUENCIES VAR C_NEWF C_QUIT C_SUACT/FORMAT NOTABLE/HISTOGRAM NORMAL
/STAT ALL/ORDER VARIABLES.

```

```

*.
CROSSTABS TABLES = CASEK_2C BY STATUS_X.
MEANS TABLES = NEWF_DAT QUIT_DAT SU_DATEX BY CASEK_2C/
  C_NEWF C_QUIT C_SUACT BY CASEK_2C/
  NEWF_DAT QUIT_DAT SU_DATEX BY STATUS_X/
  C_NEWF C_QUIT C_SUACT BY STATUS_X.
*.
*=====
*.
* COMPUTE OUTCOME STATUS FOR NEW FIRMS.
* SURVIVAL AND QUIT DATES FOR NEW FIRMS.
*.
*=====
*.
IF (STATUS_X = 1) NFSTATUS = 1.
*.
VARIABLE LABEL
  NFSTATUS 'STATUS OF NEW FIRMS;INITIAL PROFIT CASES'.
*.
VALUE LABELS NFSTATUS
  1 'IN PROFIT'
  2 'PROFIT-QUIT'.
*.
IF ((NFSTATUS = 1) & (BA50 = 3)) NFSTATUS = 2.
FREQ VAR = NFSTATUS.
IF ((NFSTATUS = 1) & (CA50 = 3)) NFSTATUS = 2.
FREQ VAR = NFSTATUS.
IF ((NFSTATUS = 1) & (DA50 = 3)) NFSTATUS = 2.
FREQ VAR = NFSTATUS.
IF ((NFSTATUS = 1) & (EA50 = 3)) NFSTATUS = 2.
FREQ VAR = NFSTATUS.
IF ((NFSTATUS = 1) & (FA50 = 3)) NFSTATUS = 2.
FREQ VAR = NFSTATUS.
CROSSTABS TABLE STATUS_X BY NFSTATUS.
*.
IF (STATUS_X = 1) NFST_BRT = NEWF_DAT.
IF (NFSTATUS = 2) NFST_QIT = NFQT_DAT.
*.
*=====
*.
* COMPUTE NEW FIRM SURVIVAL, TO LAST INTERVIEW.
* WORK BACKWARDS FROM WAVE F TO WAVE B.
*.
*=====
*.
IF (NFSTATUS = 1) NFST_SUR = (YRMODA(IWYEARF,IWMONTHF,IWDAYF)).
EXECUTE.
*.
IF ((NFSTATUS = 1)&(MISSING(NFST_SUR)= 1))
  NFST_SUR = (YRMODA(IWYEARE,IWMONTHE,IWDAYE)).
EXECUTE.
*.
IF ((NFSTATUS = 1)&(MISSING(NFST_SUR)= 1))
  NFST_SUR = (YRMODA(IWYEARD,IWMONTHD,IWDAYD)).

```

```

EXECUTE.
*.
IF ((NFSTATUS = 1)&(MISSING(NFST_SUR)= 1))
    NFST_SUR = (YRMODA(IWYEARC,IWMONTHC,IWDAYC)).
EXECUTE.
*.
IF ((NFSTATUS = 1)&(MISSING(NFST_SUR)= 1))
    NFST_SUR = (YRMODA(IWYEARB,IWMONTHB,IWDAYB)).
EXECUTE.
*.
VARIABLE LABELS
    NFST_BRT      'NEW FIRM BIRTH DATE:BASED ON INITIAL PROFITS'/
    NFST_QIT      'NEW FIRM QUIT DATE'/
    NFST_SUR      'NEW FIRM SURVIVAL, LAST KNOWN DATE'.
*.
DESCRIPTIVES VAR NFST_BRT NFST_QIT NFST_SUR.
*.
=====
*.
*   DATA ON NEW FIRM BIRTH MISSING FOR 6 CASES.
*.
*   IF NEW FIRM BIRTH DATA IS MISSING, COMPUTE NEW FIRM BIRTH DATE.
*   AS 6 MONTHS PRIOR TO THE INTERVIEW DATE WHEN A PROFITABLE NEW.
*   FIRM IS FIRST REPORTED STARTING WITH WAVE B TO WAVE F.
*.
=====
*.
DESCRIPTIVES VAR = NFST_BRT.
*.
IF ((MISSING(NFST_BRT) = 1) AND (BA50 = 1))
    NFST_BRT = ((YRMODA(IWYEARB,IWMONTHB,IWDAYB))-182.50).
EXECUTE.
*.
IF ((MISSING(NFST_BRT) = 1) AND (CA50 = 1))
    NFST_BRT = ((YRMODA(IWYEARC,IWMONTHC,IWDAYC))-182.50).
EXECUTE.
*.
IF ((MISSING(NFST_BRT) = 1) AND (DA50 = 1))
    NFST_BRT = ((YRMODA(IWYEARD,IWMONTHD,IWDAYD))-182.50).
EXECUTE.
*.
IF ((MISSING(NFST_BRT) = 1) AND (EA50 = 1))
    NFST_BRT = ((YRMODA(IWYEARE,IWMONTHE,IWDAYE))-182.50).
EXECUTE.
*.
IF ((MISSING(NFST_BRT) = 1) AND (FA50 = 1))
    NFST_BRT = ((YRMODA(IWYEARF,IWMONTHF,IWDAYF))-182.50).
EXECUTE.
*.
DESCRIPTIVES VAR = NFST_BRT.
*.
=====
*.
*   COMPUTE NEW FIRM BIRTH TO SURVIVAL, DEATH LAGS.

```

```

*.
*=====
*.
COMPUTE NF_SURV = ((NFST_SUR - NFST_BRT)/30.4375).
COMPUTE NF_DETH = ((NFST_QIT - NFST_BRT)/30.4375).
*.
VARIABLE LABELS
    NF_SURV      'MONTHS:NEW FIRM:INITIAL PROFIT BIRTH TO LAST IW'/
    NF_DETH      'MONTHS:NEW FIRM:INITIAL PROFIT BIRTH TO QUIT'.
*.
*=====
*.
*   IN SIX CASES THE NF DEATH OCCURS BEFORE FIRST PROFITS REPORTED.
*.
*   FOR THOSE SIX CASES, COMPUTE A NEW QUIT DATE.
*   AS 6 MONTHS PRIOR TO THE INTERVIEW DATE WHEN A PROFITABLE NEW.
*   FIRM IS REPORTED AS QUITTING.STARTING WITH WAVE B TO WAVE F.
*.
*=====
*.
DESCRIPTIVES VAR = NFST_QIT NF_DETH.
*.
IF ((STATUS_X = 1) AND (NF_DETH LT 0) AND (BA50 = 3))
    NFST_QIT = ((YRMODA(IWYEARB,IWMONTHB,IWDAYB))-182.50).
EXECUTE.
*.
IF ((STATUS_X = 1) AND (NF_DETH LT 0) AND (CA50 = 3))
    NFST_QIT = ((YRMODA(IWYEARC,IWMONTHC,IWDAYC))-182.50).
EXECUTE.
*.
IF ((STATUS_X = 1) AND (NF_DETH LT 0) AND (DA50 = 3))
    NFST_QIT = ((YRMODA(IWYEARD,IWMONTHD,IWDAYD))-182.50).
EXECUTED
*.
IF ((STATUS_X = 1) AND (NF_DETH LT 0) AND (EA50 = 3))
    NFST_QIT = ((YRMODA(IWYEARE,IWMONTHE,IWDAYE))-182.50).
EXECUTE.
*.
IF ((STATUS_X = 1) AND (NF_DETH LT 0) AND (FA50 = 3))
    NFST_QIT = ((YRMODA(IWYEARF,IWMONTHF,IWDAYF))-182.50).
EXECUTE.
*.
COMPUTE NF_DETH = ((NFST_QIT - NFST_BRT)/30.4375).
*.
DESCRIPTIVES VAR = NFST_QIT NF_DETH.
*.
*.
DESCRIPTIVES VAR NFSTATUS NFST_BRT NFST_QIT NFST_SUR
    NF_SURV NF_DETH.
FREQ VAR = NFSTATUS NFST_BRT NFST_QIT NFST_SUR
    /STAT ALL/ORDER VARIABLES.
FREQ VAR = NF_SURV NF_DETH
    /HISTOGRAM NORMAL/STAT ALL/ORDER VARIABLES.
*.

```

MEANS TABLE = NFST_BRT NFST_QIT NFST_SUR BY NFSTATUS.
EXECUTE.

*.

*.

=====

*.

* COMPUTE NEW WEIGHT FOR GOOD CASES WITH STATUS OUTCOME.

*.

=====

*.

WEIGHT BY WT_GD_FU.

*.

FREQ VAR STATUS_X NFSTATUS.

*.

WEIGHT OFF.

DESC VAR WT_GD_FU WT_GD_NE.

FREQ VAR STATUS_X NFSTATUS.

CROSSTABS TABLE = CASEK_2C GOODC_FU BY STATUS_X/
CASEK_2C GOODC_FU BY NFSTATUS.

*.

*.

IF (MISSING(STATUS_X) NE 1) WT_GD_FS = WT_GD_FU.

IF (MISSING(NFSTATUS) NE 1) WT_GD_NS = WT_GD_FU.

VARIABLE LABEL

WT_GD_FS 'WEIGHT:GOOD CASE WITH FOLLOW_UP STATUS'

WT_GD_NS 'WEIGHT:GOOD CASE WITH FIRM OUTCOME STATUS'

*.

WEIGHT OFF.

DESC VAR WT_GD_FS WT_GD_NS.

COMPUTE WT_GD_FS = WT_GD_FS*(1/1.0000).

COMPUTE WT_GD_NS = WT_GD_NS*(1/0.9766).

DESC VAR WT_GD_FS WT_GD_NS.

*.

WEIGHT BY WT_GD_FS.

FREQ VAR STATUS_X.

*.

WEIGHT BY WT_GD_NS.

FREQ VAR NFSTATUS.

*.

.

=====

*.

* COMPUTE LAST INTERVIEWED COMPLETRED WITH EACH CASE.

* WORK BACKWARDS FROM WAVE F TO WAVE B.

*.

=====

*.

WEIGHT OFF.

COMPUTE LIW_DATE = 999999.

*.

MISSING VALUES LIW_DATE (999999).

*.

IF (MISSING(LIW_DATE) = 1) LIW_DATE = IWDATF.

DESC VAR= LIW_DATE.


```

IF (MISSING(LIW_DATE) = 1) LIW_DATE = IWDATE_E.
DESC VAR= LIW_DATE.
IF (MISSING(LIW_DATE) = 1) LIW_DATE = IWDATE_D.
DESC VAR= LIW_DATE.
IF (MISSING(LIW_DATE) = 1) LIW_DATE = IWDATE_C.
DESC VAR= LIW_DATE.
IF (MISSING(LIW_DATE) = 1) LIW_DATE = IWDATE_B.
DESC VAR= LIW_DATE.
*.
VARIABLE LABEL
    LIW_DATE 'DATE OF LAST FOLLOW-UP INTERVIEW'.
DESC VAR LIW_DATE.
*.
COMPUTE PROJECT = 2005.
*.
VARIABLE LABELS
    PROJECT 'PROJECT ID: 1999 = PSED I; 2005 = PSED II'.
VALUE LABELS PROJECT
    1999 'PSED I'
    2005 'PSED II'.
*.
DESC VAR PROJECT.
*.
MEANS TABLE C_NEWF C_QUIT C_SUACT BY STATUS_X.
*.
MEANS TABLES = NEWF_DAT QUIT_DAT SU_DATEX BY CASEK_2C/
    NEWF_DAT QUIT_DAT SU_DATEX BY STATUS_X.
*.
EXECUTE.
*.
WEIGHT OFF.
FREQ VAR STATUS_X.
MEANS TABLE C_NEWF C_QUIT C_SUACT BY STATUS_X.
*.
MEANS TABLES = NEWF_DAT QUIT_DAT SU_DATEX BY CASEK_2C/
    NEWF_DAT QUIT_DAT SU_DATEX BY STATUS_X.
*.
EXECUTE.
*.
SAVE OUTFILE= 'C:\PSED_II\WAVE_F\SPSS_SAV\ACTS_F05.SAV'.
EXPORT OUTFILE= 'C:\PSED_II\WAVE_F\SPSS_OUT\ACTS_F05.POR'.
EXECUTE.
WEIGHT OFF.
CROSSTABS TABLE = GOODC_FU BY STATUS_X/.
FINISH.
EXECUTE.

```

TITLE 'C:\PSED_OUTCOME\SPSS_PRO\OUT_0030.SPS'.
SUBTITLE 'OUT_0030.SPS:CONSOLIDATED PSED I, II OUTCOME FILE'.

*.

* SPSS 15 SYNTAX REVISED FROM SPSS PC SYNTAX.

*.

=====.
SET HEADER = YES
/ERRORS = LISTING
/RESULTS = LISTING
/PRINTBACK = LISTING
/MESSAGES = LISTING
/ONUMBERS = BOTH
/OVARS = BOTH
/TNUMBERS = BOTH
/TVARS = BOTH
/TFIT = LABELS.

*.

SHOW.

*.

* SPSS-PC COMMAND STATEMENTS.

*.

=====.
* CONSOLIDATED PSED I, II OUTCOME FILE.

*.

* COMBINE PSED I AND PSED II OUTCOME FILE WITH COMMONG VARIABEL NAMES.
* FILE RESTRICTED TO TIMING VARIABLES AND ALL START-UP ACTS.

*.

* ASSEMBLED BY PAUL REYNOLDS, 29 JULY 2011.

*.

* USE UPDATED WEIGHTS AND CASE COUNTS FROM TRANSITION ANSLYSIS.

*.

=====.
* GET PSED I FILE, ONLY NEEDED VARAIBLES, AND ADJUST VARIABLE NAMES.

*.

* VARIABLE NAMES PLACED IN THE ORDR THEY ARE SPECIFIED IN "KEEP".

*.

=====.
*.
GET FILE = 'C:\PSED_I\WAVE_T\SPSS_SAV\ACTS_T05.SAV'

/KEEP =

RESPID PROJECT

WTW1 WTW2 WTW3 WTW4

WT_GD_NE WT_GD_FU WT_GD_FS WT_GD_NS

SC_DATE W1_DATE W2_DATE W3_DATE W4_DATE LS_DATE

CASEK_2C GOODC_FU GOODC_NE

STATUS_X

CPT_MY NEWF_DAT SU_DATEX QUIT_DAT

C_NEWF C_QUIT C_SUACT

NFSTATUS

```
NFSR_DAT NFQT_DAT
CSH_LI_L CSH_QT_L
SUACT_1 SUACT_2 SUACT_3 SUACT_4 SUACT_5 SUACT_6
SUACT_7 SUACT_8
THINK_AW
PHLISTAW CLASS_AW
CSHFL_AW SALES_AW BKACCTAW HIRE__AW
FULLTMAW CLDCARAW SUPCRDAW ASKFNDAW INVMONAW
SAVMONAW FINPRJAW DFNMKTAW LEASE_AW PURCHAAW
PATENTAW PROMOTAW MODEL_AW SUTEAMAW BUSPLNAW
DANDB_AW FEDTAXAW FICA__AW UNEMP_AW PHLINEAW.
```

```
*.
RENAME VARIABLES (
  STATUS_X CASEK_2C RESPID
  CPT_MY NEWF_DAT QUIT_DAT SU_DATEX
    NFSR_DAT NFQT_DAT
  CSH_QT_L CSH_LI_L
  WTW1 WTW2 WTW3 WTW4
  LS_DATE
  =
  SUSTATUS GOODCASE SAMPID
  SU_BEGIN SU_NEWF SU_QUIT SU_ACTIV
    NF_ACT NF_QUIT
  NF_QT_L NF_SR_L
  WT_WV_1 WT_WV_2 WT_WV_3 WT_WV_4
  LIW_DATE).
```

```
*.
RENAME VARIABLES
  (FULLTMAW INVMONAW =
  FTWK_AW1 ONINVAW1).
```

```
*.
VARIABLE LABELS
  PROJECT 'PROJECT ID: 1999 = PSED I; 2005 = PSED II'/
  SU_ACTIV 'LAST DATE SU ACTIVE, ALL WAVES'/
  SUSTATUS 'START-UP VENTURE:LAST KNOWN STATUS'/
  NFSTATUS 'PROFITABLE NEW FIRM:LAST KNOWN STATUS'/
  NF_SR_L 'PROFITABLE NEW FIRM:KNOWN SURIVAL (MTHS)'/
  NF_QT_L 'PROFITABLE NEW FIRM:TIME TO QUIT (MTHS)'/
  SUACT_1 'DATE OF FIRST ACT IN START-UP SEQUENCE'/
  SUACT_2 'DATE OF SECOND ACT IN START-UP SEQUENCE'/
  SUACT_3 'DATE OF THIRD ACT IN START-UP SEQUENCE'/
  SUACT_4 'DATE OF FOURTH ACT IN START-UP SEQUENCE'/
  SUACT_5 'DATE OF FIFTH ACT IN START-UP SEQUENCE'/
  SUACT_6 'DATE OF SIXTH ACT IN START-UP SEQUENCE'/
  SUACT_7 'DATE OF SEVENTH ACT IN START-UP SEQUENCE'/
  SUACT_8 'DATE OF EIGHTH ACT IN START-UP SEQUENCE'.
```

```
*.
WEIGHT OFF.
```

```
*.
DESCRIPTIVES VAR = ALL.
```

```
*.
SORT CASES BY SAMPID.
```

```
*.
SAVE OUTFILE= 'C:\PSED_OUTCOME\SPSS_SAV\OUT_0030_PSEDI.SAV'.
```


IWDATE_S
 IWDATE_A IWDATE_B IWDATE_C IWDATE_D
 IWDATE_E IWDATE_F
 THINK_2X BUSPLN2X MODEL_2X PROMOT2X
 PATENT2X PURCHA2X LEASE_2X DFNMKT2X
 FINPRJ2X ONINV2X1 ASKFND2X SUPCRD2X
 FTWK_2X1
 HIRE__2X BKACCT2X SALES_2X CSHFL_2X
 PHLIST2X UNEMP_2X FICA__2X FEDTAX2X
 DANDB_2X SPACE_2X LEGAL_2X LIABIS2X
 PRTECH2X TLKCST2X IFOCPT2X FNDREG2X
 GETFND2X HRACCT2X HRLAWR2X TDASOC2X
 EIN__2X DBA__2X EQTAG2X1
 =
 SUSTATUS GOODCASE
 WT_WV_1 WT_WV_2 WT_WV_3 WT_WV_4 WT_WV_5 WT_WV_6
 SC_DATE
 W1_DATE W2_DATE W3_DATE W4_DATE
 W5_DATE W6_DATE
 THINK_AW BUSPLNAW MODEL_AW PROMOTAW
 PATENTAW PURCHAAW LEASE_AW DFNMKTAW
 FINPRJAW ONINVAW1 ASKFNDAW SUPCRDAW
 FTWK_AW1
 HIRE__AW BKACCTAW SALES_AW CSHFL_AW
 PHLISTAW UNEMP_AW FICA__AW FEDTAXAW
 DANDB_AW SPACE_AW LEGAL_AW LIABISAW
 PRTECHAW TLKCSTAW IFOCPTAW FNDREGAW
 GETFNDAW HRACCTAW HRLAWRAW TDASOCAW
 EIN__AW DBA__AW EQTAGAW1).

*.

VARIABLE LABELS

PROJECT 'PROJECT ID: 1999 = PSED I; 2005 = PSED II'/
 SU_ACTIV 'LAST DATE SU ACTIVE, ALL WAVES'/
 SUSTATUS 'START-UP VENTURE:LAST KNOWN STATUS'/
 NFSTATUS 'PROFITABLE NEW FIRM:LAST KNOWN STATUS'/
 NF_BEGIN 'NEW FIRM: DATE FIRST REPORTED PROFITS'/
 NF_ACT 'NEW FIRM: LAST KNOWN DATE OF SURVIVAL'/
 NF_QUIT 'NEW FIRM: DATE TERMINATED OPERATIONS'/
 NF_SR_L 'PROFITABLE NEW FIRM:KNOWN SURIVAL (MTHS)'/
 NF_QT_L 'PROFITABLE NEW FIRM:TIME TO QUIT (MTHS)'/
 SUACT_1 'DATE OF FIRST ACT IN START-UP SEQUENCE'/
 SUACT_2 'DATE OF SECOND ACT IN START-UP SEQUENCE'/
 SUACT_3 'DATE OF THIRD ACT IN START-UP SEQUENCE'/
 SUACT_4 'DATE OF FOURTH ACT IN START-UP SEQUENCE'/
 SUACT_5 'DATE OF FIFTH ACT IN START-UP SEQUENCE'/
 SUACT_6 'DATE OF SIXTH ACT IN START-UP SEQUENCE'/
 SUACT_7 'DATE OF SEVENTH ACT IN START-UP SEQUENCE'/
 SUACT_8 'DATE OF EIGHTH ACT IN START-UP SEQUENCE'.

*.

SORT CASES BY SAMPID.

*.

SAVE OUTFILE= 'C:\PSED_OUTCOME\SPSS_SAV\OUT_0030_PSEDII.SAV'.
 EXPORT OUTFILE= 'C:\PSED_OUTCOME\SPSS_OUT\OUT_0030_PSEDII.POR'.

*.

ADD FILES

/FILE= 'C:\PSED_OUTCOME\SPSS_SAV\OUT_0030_PSEDII.SAV'

/FILE= 'C:\PSED_OUTCOME\SPSS_SAV\OUT_0030_PSEDI.SAV'

/MAP.

*.

* CORRECT SOME MISSING VALUES.

*.

MEANS TABLES SU_NEWF NF_BEGIN BY PROJECT.

*.

IF ((SUSTATUS = 1) & (MISSING(NF_BEGIN) = 1)) NF_BEGIN = SU_NEWF.

IF ((SUSTATUS = 1) & (MISSING(SU_NEWF) = 1)) SU_NEWF = NF_BEGIN.

*.

ADD VALUE LABELS GOODCASE

30 'UNKNOWN OUTCOME'.

*.

MEANS TABLES SU_NEWF NF_BEGIN BY PROJECT.

*.

DESC ALL.

*.

SAVE OUTFILE = 'C:\PSED_OUTCOME\SPSS_SAV\OUT_0030.SAV'.

EXPORT OUTFILE = 'C:\PSED_OUTCOME\SPSS_OUT\OUT_0030.POR'.

*.

WEIGHT OFF.

CROSSTABS TABLES = GOODCASE SUSTATUS NFSTATUS BY PROJECT/CELL COUNT COL.

MEANS TABLES

WT_GD_NE WT_GD_FU WT_GD_FS WT_GD_NS

BY PROJECT.

*.

FINISH.

*.

* __01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11.

* __01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11.

TITLE 'C:\PSED_OUTCOME\SPSS_PRO\OUT_0031.SPS'.
SUBTITLE 'OUT_0031:NASCENT TO NEW FIRM TRANSITION CHARTS'.

*.
* SPSS 15 SYNTAX REVISED FROM SPSS PC SYNTAX.

*.
*=====.

SET HEADER = YES
/ERRORS = LISTING
/RESULTS = LISTING
/PRINTBACK = LISTING
/MESSAGES = LISTING
/ONUMBERS = BOTH
/OVARS = BOTH
/TNUMBERS = BOTH
/TVARS = BOTH
/TFIT = LABELS.

*.
SHOW.
*.
* SPSS-PC COMMAND STATEMENTS.

*.
*=====.

* DEVELOP STATUS MARKERS AT DIFFERENT TIME PERIODS AFTER.
* ENTRY INTO THE START-UP PROCESS TO IDENTIFY THOSE CASES.
* THAT HAVE REPORTED INITIAL PROFITS, A QUIT, OR STILL ACTIVE.
* IN THE START-UP PROCESS.

*.
* PAUL REYNOLDS 31 JULY 2011.

*.
*=====.

*.
*+++++

* DO ANALYSIS WITH FULL SAMPLE, PSED i AND ii .
* =====.

*.
*+++++

GET FILE = 'C:\PSED_OUTCOME\SPSS_SAV\OUT_0030.SAV'.
*.

WEIGHT OFF.
DESC VAR = WT_GD_FS.
DESCRIPTIVES VAR = SU_BEGIN NF_BEGIN SU_QUIT LIW_DATE.

*.
FREQ VAR SUSTATUS NFSTATUS GOODCASE.

*.
TEMPORARY.
SELECT IF (MISSING(WT_GD_FS) NE 1).
DESCRIPTIVES VAR WT_GD_FS.
WEIGHT BY WT_GD_FS.

*.
file:///C:/PSED_OUTCOME/SPSS_PRO/OUT_0031.txt[8/4/2011 1:11:19 PM]

DESCRIPTIVES VAR = SU_BEGIN NF_BEGIN SU_QUIT NF_QUIT LIW_DATE.

*.

*.

DESCRIPTIVES VAR = SU_BEGIN BR_ENT_F BR_OTH_F SU_QUIT .

*.

WEIGHT OFF.

*.

=====

*.

* NOTE: WT_GD_FS INCLUDES CASES WITH NO FOLLOW-UP INTERVIEWS.
* TO PROVIDE FULL RANGE OF CASES THAT MAY MEET CRITERIA FOR A.
* NEW FIRM.

*.

=====

*.

CROSSTABS TABLE GOODCASE BY SUSTATUS NFSTATUS/CELL COUNT COL.
EXECUTE.

*.

=====

*.

* IDENTIFY QUILTS BEFORE CONCEPTION.

*.

* IF QUIT BEFORE CONCEPTION, RESET QUIT TO CONCEPTION.

*.

=====

*.

COMPUTE QT_CPT_L = ((SU_QUIT - SU_BEGIN)/30.4375).

VARIABLE LABEL

QT_CPT_L 'CONCEPTION TO QUIT LAG:MONTHS'.

*.

SORT CASES QT_CPT_L (A).

TEMPORARY.

SELECT IF (QT_CPT_L LE 5).

LIST SAMPID QT_CPT_L.

EXECUTE.

*.

IF (QT_CPT_L LE 0) SU_QUIT = SU_BEGIN.

EXECUTE.

COMPUTE QT_CPT_L = ((SU_QUIT - SU_BEGIN)/30.4375).

*.

TEMPORARY.

SELECT IF (QT_CPT_L LE 5).

LIST SAMPID QT_CPT_L.

*.

SORT CASES BY SAMPID (A).

*.

=====

*.

* CHECK LAST FOLLOW_UP INTERVIEW WITH RESPONDENT = LIW_DATE.

*.

=====

*.

WEIGHT OFF.

*.


```

DESC VAR LIW_DATE.
TEMPORARY.
SELECT IF (MISSING(LIW_DATE) = 1).
FREQ VAR LIW_DATE.
*.
*=====
*.
*   COMPUTE QUIT DATES FOR EACH START-UP'.
*.
*=====
*.
IF (MISSING(SU_BEGIN) NE 1) QT_SUP_L = ((SU_QUIT - SU_BEGIN)/30.4375).
*.
VARIABLE LABEL
  QT_SUP_L 'START-UP ENTRY TO QUIT LAG:MONTHS'.
*.
DESC VAR QT_SUP_L.
*.
*=====
*.
*   CHECK ON LAST KNOW SURVIVAL DATES FOR START-UP EFFORT.
*.
*=====
*.
DESC VAR SU_ACTIV.
*.
*=====
*.
*   COMPUTE START-UP STAGE IN CATEGOIRES.
*.
*=====
*.
*=====
*.
*   SET FLAGS TO CARRY FORWARD FINAL STATUS FROM ONE PERIOD TO NEXT.
*.
*=====
*.
COMPUTE ENT_FLAG = 0.
COMPUTE QIT_FLAG = 0.
COMPUTE MIS_FLAG = 0.
*.
VARIABLE LABELS
  ENT_FLAG '100 = INITIAL PROFITS ,0 OTHERWISE'/
  QIT_FLAG '100 = REPORT OF QUIT ,0 OTHERWISE'/
  MIS_FLAG '100 = NO DATA FOR PERIOD,0 OTHERWISE'.
VALUE LABELS ENT_FLAG QIT_FLAG MIS_FLAG
  0   'NOT YET'
  100 'HAS OCCURRED'.
DESC VAR ENT_FLAG QIT_FLAG MIS_FLAG.
*.
*=====
*.
*   CREATE STATUS MARKERS FOR EACH TIME PERIOD.

```

```

*
*=====
*
*=====
*
*   SET UP TIME PERIODS FOR WHICH NEW FIRM STATUS SHOULD BE KNOWN.
*
*   NOTE THAT ONCE A START-UP IS CLASSIFIED AS A QUIT OR NEW FIRM.
*   THEY ARE NOT RECLASSIFIED.
*
*   WHEN TIME BETWEEN DATE OF INITIAL PROFITS AND THE LAST FOLLOW-UP.
*   INTERVIEW EXCEEDS THE TIME PERIOD, THE CASE STATUS IS CLASSIFIED.
*   AS MISSING.
*
*=====

```

```

*
*
IF (MISSING(WT_GD_FS) NE 1)   SUST_000 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_001 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_003 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_006 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_009 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_012 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_015 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_018 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_021 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_024 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_027 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_030 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_033 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_036 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_039 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_042 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_045 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_048 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_051 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_054 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_057 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_060 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_063 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_066 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_069 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_072 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_084 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_096 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_108 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_120 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_132 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_144 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_156 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_168 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_180 = 2.
IF (MISSING(WT_GD_FS) NE 1)   SUST_240 = 2.

```

```
*.  
VARIABLE LABEL  
SUST_000 '00 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_001 '01 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_003 '03 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_006 '06 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_009 '09 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_012 '12 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_015 '15 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_018 '18 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_021 '21 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_024 '24 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_027 '27 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_030 '30 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_033 '33 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_036 '36 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_039 '39 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_042 '42 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_045 '45 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_048 '48 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_051 '51 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_054 '54 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_057 '57 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_060 '60 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_063 '63 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_066 '66 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_069 '69 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_072 '72 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_084 '84 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_096 '96 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_108 '108 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_120 '120 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_132 '132 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_144 '144 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_156 '156 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_168 '168 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_180 '180 MTH AFTER ENTRY:START-UP STATUS'/  
SUST_240 '240 MTH AFTER ENTRY:START-UP STATUS'.
```

```
*.  
VALUE LABELS SUST_000 TO SUST_240
```

- 1 'NEW FRM:PROFIT'
- 2 'ACTIVE SU'
- 3 'QUIT'
- 9 'MISSING DATA'.

```
*.  
DESC VAR SUST_000 TO SUST_240.
```

```
*.  
*=====
```

```
*.  
* RE CENTER WEIGHTS TO 1.00 FOR GOOD CASE FOLLOW-UP SAMPLE.
```

```
*.  
*=====
```

```
*.  
WEIGHT OFF.
```

```
DESC VAR SAMPID WT_GD_FS.
COMPUTE WT_GD_FS = WT_GD_FS*(1/1.0000).
DESC VAR SAMPID WT_GD_FS.
```

```
*.
DESC VAR = SAMPID SU_BEGIN SU_QUIT LIW_DATE QT_CPT_L.
```

```
*.
*=====
*
* FIRST MONTH: TM000001.
*
*=====
```

```
*
* IDENTIFY EVENTS OCCURRING IN THIS TIME PERIOD.
* DATE IF POP ECOLOGY BIRTH IN PERIOD.
* DATE OF QUIT IN PERIOD.
* CONCEPTION TO LAST INTERVIEW DATE GREATER THAN PERIOD.
*
*=====
```

```
*.
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 1.0) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 1.0) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 1.0) MIS_FLAG = 100.
EXECUTE.
```

```
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
```

```
*.
* COMPUTE START-UP ENTURE STATUS AT THIS TIME PERIOD.
```

```
* IDENTIFY A FIRM BIRTH.
```

```
*.
IF ((ENT_FLAG= 100)&(QIT_FLAG= 0)) SUST_001= 1.
```

```
* IDENTIFY AN ACTIVE START-UP.
```

```
*.
IF ((ENT_FLAG = 0)&(QIT_FLAG = 0)) SUST_001= 2.
```

```
* IDENTIFY A QUIT.
```

```
*.
IF ((ENT_FLAG = 0)&(QIT_FLAG = 100)) SUST_001= 3.
```

```
* IDENTIFY A MISSING DATA CASE.
```

```
* IF REPORT INITIAL PROFITS OR QUIT, NOT MISSING DATA.
```

```
*.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_001= 9.
FREQ VAR SUST_001.
```

```
*.
*=====
*
* FIRST PERIOD: TM001003.
*
*=====
*.
```

```

IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 3.0) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 3.0) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 3.0) MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
* COMPUTE STATUS OF TIME PERIOD STATUS.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_003= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_003= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_003= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_003= 9.
FREQ VAR SUST_003.
*.
*=====
*.
* SECOND PERIOD: TM004006.
*=====
*.
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 6.0) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 6.0) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 6.0) MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_006= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_006= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_006= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_006= 9.
FREQ VAR SUST_006.
*.
*=====
*.
* THIRD PERIOD: TM007009.
*=====
*.
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 009) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 009) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 009) MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_009= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_009= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_009= 3.

```

```
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_009= 9.  
FREQ VAR SUST_009.
```

```
*.  
*.  
*=====
```

```
*.  
* FOURTH PERIOD: TM010012.  
*.  
*=====
```

```
*.  
*.  
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 012) ENT_FLAG = 100.  
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 012) QIT_FLAG = 100.  
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 012) MIS_FLAG = 100.  
EXECUTE.
```

```
*.  
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.  
*.  
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_012= 1.  
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_012= 2.  
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_012= 3.  
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_012= 9.  
FREQ VAR SUST_012.
```

```
*.  
*.  
*=====
```

```
*.  
* FIFTH PERIOD: TM013015.  
*.  
*=====
```

```
*.  
*.  
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 015) ENT_FLAG = 100.  
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 015) QIT_FLAG = 100.  
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 015) MIS_FLAG = 100.  
EXECUTE.
```

```
*.  
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.  
*.  
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_015= 1.  
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_015= 2.  
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_015= 3.  
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_015= 9.  
FREQ VAR SUST_015.
```

```
*.  
*.  
*=====
```

```
*.  
* SIXTH PERIOD: TM016018.  
*.  
*=====
```

```
*.  
*.  
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 018) ENT_FLAG = 100.
```

```

IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 018) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 018) MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_018= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_018= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_018= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_018= 9.
FREQ VAR SUST_018.
*.
*.

```

```

=====
* SEVENTH PERIOD: TM019021.
=====
*.

```

```

IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 021) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 021) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 021) MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_021= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_021= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_021= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_021= 9.
FREQ VAR SUST_021.
*.
*.

```

```

=====
* EIGHT PERIOD: TM022024.
=====
*.

```

```

IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 024) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 024) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 024) MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_024= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_024= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_024= 3.

```

IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_024= 9.
FREQ VAR SUST_024.

*.
*.
*=====

*.
* NINTH PERIOD: TM025027.
*.
*=====

*.
*.
*=====

*.
* IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 027) ENT_FLAG = 100.
* IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 027) QIT_FLAG = 100.
* IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 027) MIS_FLAG = 100.
EXECUTE.

*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
*.

IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_027= 1.
IF ((ENT_FLAG = 0)&(QIT_FLAG = 0)) SUST_027= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_027= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_027= 9.
FREQ VAR SUST_027.

*.
*.
*=====

*.
* TENTH PERIOD: TM028030.
*.
*=====

*.
*.
*=====

*.
* IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 030) ENT_FLAG = 100.
* IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 030) QIT_FLAG = 100.
* IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 030) MIS_FLAG = 100.
EXECUTE.

*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
*.

IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_030= 1.
IF ((ENT_FLAG = 0)&(QIT_FLAG = 0)) SUST_030= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_030= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_030= 9.
FREQ VAR SUST_030.

*.
*.
*=====

*.
* ELEVENTH PERIOD: TM031033.
*.
*=====

*.
*.
*=====

*.


```

*.
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 033) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 033) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 033) MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_033= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_033= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_033= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_033= 9.
FREQ VAR SUST_033.

```

```

*=====
*.
* TWELFTH PERIOD: TM034036.
*.
*=====

```

```

*.
*.
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 036) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 036) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 036) MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_036= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_036= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_036= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_036= 9.
FREQ VAR SUST_036.

```

```

*=====
*.
* THIRTEENTH PERIOD: TM037039.
*.
*=====

```

```

*.
*.
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 039) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 039) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 039) MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_039= 1.

```

```
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0))          SUST_039= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100))        SUST_039= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_039= 9.
FREQ VAR          SUST_039.
```

```
*.
*
*=====
```

```
*
*   FOURTEENTH PERIOD: TM040042.
```

```
*
*=====
```

```
*.
*
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 042)  ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 042)  QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 042)  MIS_FLAG = 100.
EXECUTE.
```

```
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
```

```
*.
*
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0))          SUST_042= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0))          SUST_042= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100))        SUST_042= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_042= 9.
FREQ VAR          SUST_042.
```

```
*.
*
*=====
```

```
*
*   FIFTEENTH PERIOD: TM043045.
```

```
*
*=====
```

```
*.
*
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 045)  ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 045)  QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 045)  MIS_FLAG = 100.
EXECUTE.
```

```
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
```

```
*.
*
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0))          SUST_045= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0))          SUST_045= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100))        SUST_045= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_045= 9.
FREQ VAR          SUST_045.
```

```
*.
*
*=====
```

```
*
*   SIXTEENTH PERIOD: TM046048.
```

```
*.
```

```

=====
*.
*.
IF   (((SU_NEWF - SU_BEGIN)/30.4375) LE 048)  ENT_FLAG = 100.
IF   (((SU_QUIT - SU_BEGIN)/30.4375) LE 048)  QIT_FLAG = 100.
IF   (((LIW_DATE - SU_BEGIN)/30.4375) LE 048)  MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0))           SUST_048= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0))           SUST_048= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100))        SUST_048= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_048= 9.
FREQ VAR           SUST_048.
*.
*.
=====
*.
*   SEVENTEENTH PERIOD: TM049051.
*.
=====
*.
*.
IF   (((SU_NEWF - SU_BEGIN)/30.4375) LE 051)  ENT_FLAG = 100.
IF   (((SU_QUIT - SU_BEGIN)/30.4375) LE 051)  QIT_FLAG = 100.
IF   (((LIW_DATE - SU_BEGIN)/30.4375) LE 051)  MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0))           SUST_051= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0))           SUST_051= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100))        SUST_051= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_051= 9.
FREQ VAR           SUST_051.
*.
*.
*.
=====
*.
*   EIGHTEENTH PERIOD: TM052054.
*.
=====
*.
*.
IF   (((SU_NEWF - SU_BEGIN)/30.4375) LE 054)  ENT_FLAG = 100.
IF   (((SU_QUIT - SU_BEGIN)/30.4375) LE 054)  QIT_FLAG = 100.
IF   (((LIW_DATE - SU_BEGIN)/30.4375) LE 054)  MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.

```

```
*.  
*.  
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0))          SUST_054= 1.  
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0))          SUST_054= 2.  
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100))        SUST_054= 3.  
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_054= 9.  
FREQ VAR          SUST_054.
```

```
*.  
*.  
*=====.  
*.  
* NINETEENTH PERIOD: TM055057.  
*.  
*=====.
```

```
*.  
*.  
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 057) ENT_FLAG = 100.  
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 057) QIT_FLAG = 100.  
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 057) MIS_FLAG = 100.  
EXECUTE.
```

```
*.  
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
```

```
*.  
*.  
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0))          SUST_057= 1.  
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0))          SUST_057= 2.  
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100))        SUST_057= 3.  
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_057= 9.  
FREQ VAR          SUST_057.
```

```
*.  
*.  
*=====.  
*.  
* TWENTITH PERIOD: TM058060.  
*.  
*=====.
```

```
*.  
*.  
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 060) ENT_FLAG = 100.  
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 060) QIT_FLAG = 100.  
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 060) MIS_FLAG = 100.  
EXECUTE.
```

```
*.  
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
```

```
*.  
*.  
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0))          SUST_060= 1.  
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0))          SUST_060= 2.  
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100))        SUST_060= 3.  
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_060= 9.  
FREQ VAR          SUST_060.
```

```
*=====
*
* TWENTY-FIRST PERIOD: TM061063.
*
*=====
```

```
*
*
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 063) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 063) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 063) MIS_FLAG = 100.
EXECUTE.
*
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*
*
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_063= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_063= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_063= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_063= 9.
FREQ VAR SUST_063.
*
*=====
```

```
*
* TWENTY-SECOND PERIOD: TM064066.
*
*=====
```

```
*
*
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 066) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 066) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 066) MIS_FLAG = 100.
EXECUTE.
*
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*
*
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_066= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_066= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_066= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_066= 9.
FREQ VAR SUST_066.
*
*=====
```

```
*
* TWENTY-THIRD PERIOD: TM067069.
*
*=====
```

```
*
*
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 069) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 069) QIT_FLAG = 100.
```

```

IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 069) MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_069= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_069= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_069= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_069= 9.
FREQ VAR SUST_069.

```

```

=====
*.
* TWENTY-FOURTH PERIOD: TM070072.
*.
=====

```

```

IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 072) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 072) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 072) MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_072= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_072= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_072= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_072= 9.
FREQ VAR SUST_072.

```

```

=====
*.
* TWENTY-FIFTH PERIOD: TM073084.
*.
=====

```

```

IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 084) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 084) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 084) MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_084= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_084= 2.

```

```
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100))          SUST_084= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_084= 9.
FREQ VAR          SUST_084.
```

```
*.
*
*=====
```

```
*.
* TWENTY-SIXTH PERIOD: TM085096.
```

```
*.
*=====
*.
```

```
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 096) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 096) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 096) MIS_FLAG = 100.
EXECUTE.
```

```
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
```

```
*.
*
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0))          SUST_096= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0))          SUST_096= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100))        SUST_096= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_096= 9.
FREQ VAR          SUST_096.
```

```
*.
*
*=====
```

```
*.
* TWENTY-SEVENTH PERIOD: TM097108.
```

```
*.
*=====
*.
```

```
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 108) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 108) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 108) MIS_FLAG = 100.
EXECUTE.
```

```
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
```

```
*.
*
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0))          SUST_108= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0))          SUST_108= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100))        SUST_108= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_108= 9.
FREQ VAR          SUST_108.
```

```
*.
*
*=====
```

```
*.
* TWENTY-EIGHTH PERIOD: TM109120.
```

```

*.
*=====
*.
*.
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 120) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 120) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 120) MIS_FLAG = 100.
EXECUTE.
*.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_120= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_120= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_120= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_120= 9.
FREQ VAR SUST_120.
*.
*=====
*.
* TWENTY-NINTH PERIOD: TM121132.
*.
*=====
*.
*.
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 132) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 132) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 132) MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_132= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_132= 2.
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_132= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_132= 9.
FREQ VAR SUST_132.
*.
*=====
*.
* THIRTH PERIOD: TM133144.
*.
*=====
*.
*.
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 144) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 144) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 144) MIS_FLAG = 100.
EXECUTE.
*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.
*.

```



```

*.
*   COMPUTE STATUS OF TIME PERIOD STATUS.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0))           SUST_144= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0))           SUST_144= 2.
IF ((ENT_FLAG = 0)  &(QIT_FLAG = 100))        SUST_144= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_144= 9.
FREQ VAR           SUST_144.

```

```

*.
*=====

```

```

*   THIRTY-FIRST PERIOD: TM145156.
*=====

```

```

*.
*.
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 156) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 156) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 156) MIS_FLAG = 100.
EXECUTE.

```

```

*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.

```

```

*.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0))           SUST_156= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0))           SUST_156= 2.
IF ((ENT_FLAG = 0)  &(QIT_FLAG = 100))        SUST_156= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_156= 9.
FREQ VAR           SUST_156.

```

```

*.
*=====

```

```

*   THIRTY-SECOND PERIOD: TM157168.
*=====

```

```

*.
*.
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 168) ENT_FLAG = 100.
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 168) QIT_FLAG = 100.
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 168) MIS_FLAG = 100.
EXECUTE.

```

```

*.
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.

```

```

*.
*.
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0))           SUST_168= 1.
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0))           SUST_168= 2.
IF ((ENT_FLAG = 0)  &(QIT_FLAG = 100))        SUST_168= 3.
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_168= 9.
FREQ VAR           SUST_168.

```

```
*.  
*.  
*.  
*=====  
*.  
* THIRTY-THIRD PERIOD: TM169180.  
*.  
*=====  
*.  
*.
```

```
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 180) ENT_FLAG = 100.  
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 180) QIT_FLAG = 100.  
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 180) MIS_FLAG = 100.  
EXECUTE.
```

```
*.  
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.  
*.  
*.
```

```
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_180= 1.  
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_180= 2.  
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_180= 3.  
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_180= 9.  
FREQ VAR SUST_180.  
*.  
*.  
*.  
*=====  
*.  
*.
```

```
* THIRTY-FOURTH PERIOD: TM181240.  
*.  
*=====  
*.  
*.
```

```
IF (((SU_NEWF - SU_BEGIN)/30.4375) LE 240) ENT_FLAG = 100.  
IF (((SU_QUIT - SU_BEGIN)/30.4375) LE 240) QIT_FLAG = 100.  
IF (((LIW_DATE - SU_BEGIN)/30.4375) LE 240) MIS_FLAG = 100.  
EXECUTE.
```

```
*.  
DESC VAR = ENT_FLAG QIT_FLAG MIS_FLAG.  
*.  
*.
```

```
IF ((ENT_FLAG= 100) &(QIT_FLAG= 0)) SUST_240= 1.  
IF ((ENT_FLAG = 0 )&(QIT_FLAG = 0)) SUST_240= 2.  
IF ((ENT_FLAG = 0) &(QIT_FLAG = 100)) SUST_240= 3.  
IF ((ENT_FLAG NE 100)&(QIT_FLAG NE 100) & (MIS_FLAG = 100)) SUST_240= 9.  
FREQ VAR SUST_240.  
*.  
*.  
*.  
*=====  
*.  
*.
```

```
* OVERVIEW OF PERIOD NEW FIRM STATUS.  
*.  
*=====  
*.
```


TITLE 'C:\PSED_OUTCOME\SPSS_PRO\OUT_0032.SPS'.
SUBTITLE 'PSED TRANSITION CHARTS: NEW FIRM SURVIVAL'.

*.
* SPSS 15 SYNTAX REVISED FROM SPSS PC SYNTAX.

*.
*=====.

SET HEADER = YES
/ERRORS = LISTING
/RESULTS = LISTING
/PRINTBACK = LISTING
/MESSAGES = LISTING
/ONUMBERS = BOTH
/OVARS = BOTH
/TNUMBERS = BOTH
/TVARS = BOTH
/TFIT = LABELS.

*.
SHOW.
*.
* SPSS-PC COMMAND STATEMENTS.

*.
*=====.

*.
* TRACKT THE SURVIAL STATUS OF NEW FIRMS AFTER INITIAL DATE.
* THAT PROFITS ARE REPORTED.

*.
* PAUL REYHNOLDS 31 JULY 2011.

*.
*=====.

*.
*.
GET FILE = 'C:\PSED_OUTCOME\SPSS_SAV\OUT_0031.SAV'.

*.
*=====.

*.
* DELETE FLAG VARIABLES USED IN PREVIOUS ASSESSMENT.

*.
*=====.

*.
DELETE VARIABLES QIT_FLAG MIS_FLAG.
WEIGHT OFF.
DESC VAR = WT_GD_NS.
DESCRIPTIVES VAR = NF_BEGIN NF_BEGIN SU_QUIT NF_QUIT LIW_DATE.

*.
FREQ VAR SUSTATUS NFSTATUS GOODCASE.

*.
TEMPORARY.
SELECT IF (MISSING(WT_GD_NS) NE 1).
DESCRIPTIVES VAR WT_GD_NS.
WEIGHT BY WT_GD_NS.

*.
DESCRIPTIVES VAR = NF_BEGIN NF_BEGIN SU_QUIT NF_QUIT LIW_DATE.

*.

```

*.
WEIGHT OFF.
*.
*=====
*.
*   NOTE: WT_GD_NS INCLUDES CASES WITH NO FOLLOW-UP INTERVIEWS.
*   TO PROVIDE FULL RANGE OF CASES THAT MAY MEET CRITERIA FOR A.
*   NEW FIRM.
*.
*=====
*.
CROSSTABS TABLE GOODCASE BY SUSTATUS NFSTATUS/CELL COUNT COL.
EXECUTE.
*.
*=====
*.
*   IDENTIFY QUILTS BEFORE CONCEPTION.
*.
*   IF NEW FIRM QUIT BEFORE NF BIRTH, RESET QUIT TO NEW FIRM BIRTH.
*.
*=====
*.
COMPUTE QT_NFB_L = ((NF_QUIT - NF_BEGIN)/30.4375).
VARIABLE LABEL
    QT_NFB_L 'NEW FIRM BIRTH TO QUIT LAG:MONTHS'.
TEMPORARY.
SELECT IF (QT_NFB_L LE 0).
LIST VAR SAMPID QT_NFB_L.
EXECUTE.
IF (QT_NFB_L LE 0) NF_BEGIN = NF_QUIT.
EXECUTE.
TEMPORARY.
SELECT IF (QT_NFB_L LE 0).
LIST SAMPID QT_NFB_L.
*.
*=====
*.
*   CHECK ON LAST FOLLOW_UP INTERVIEW WITH RESPONDENT = LIW_DATE.
*.
*=====
*.
WEIGHT OFF.
*.
TEMPORARY.
SELECT IF (MISSING(LIW_DATE) = 1).
FREQ VAR LIW_DATE.
*.
DESC VAR LIW_DATE.
*.
*=====
*.
*   COMPUTE LAST KNOW SURVIVAL DATES FOR ENTRE NEW FIRM.
*.
*=====

```

```

*.
DESC VAR NF_ACT.
*.
*.
*=====
*.
*   SET UP TIME PERIODS FOR WHICH NEW FIRM STATUS SHOULD BE KNOWN.
*.
*   NOTE THAT ONCE A START-UP IS CLASSIFIED AS A QUIT.
*   THEY ARE NOT RECLASSIFIED.
*.
*   OPERATING NEW FIRMS CAN ONLY BE RECALSSIFIED AS NA QUIT.
*.
*   WHEN TIME BETWEEN DATE OF INITIAL PROFITS AND THE LAST FOLLOW-UP.
*   INTERVIEW EXCEEDS THE TIME PERIOD, THE CASE STATUS IS CLASSIFIED.
*   AS MISSING.
*.
*=====
*.
*.
*=====
*.
*   CREATE STATUS MARKERS FOR EACH TIME PERIOD.
*.
*=====
*.
IF (MISSING(WT_GD_NS) NE 1)   NFST_000 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_001 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_003 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_006 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_009 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_012 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_015 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_018 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_021 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_024 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_027 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_030 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_033 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_036 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_039 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_042 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_045 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_048 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_051 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_054 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_057 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_060 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_063 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_066 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_069 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_072 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_084 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_096 = 1.

```

```
IF (MISSING(WT_GD_NS) NE 1)   NFST_108 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_120 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_132 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_144 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_156 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_168 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_180 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_240 = 1.
```

.*

VARIABLE LABEL

```
NFST_000 '00 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_001 '01 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_003 '03 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_006 '06 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_009 '09 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_012 '12 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_015 '15 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_018 '18 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_021 '21 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_024 '24 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_027 '27 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_030 '30 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_033 '33 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_036 '36 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_039 '39 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_042 '42 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_045 '45 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_048 '48 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_051 '51 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_054 '54 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_057 '57 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_060 '60 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_063 '63 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_066 '66 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_069 '69 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_072 '72 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_084 '84 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_096 '96 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_108 '108 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_120 '120 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_132 '132 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_144 '144 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_156 '156 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_168 '168 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_180 '180 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_240 '240 MTH AFTER BIRTH:NEW FIRM STATUS'.
```

.*

VALUE LABELS NFST_000 TO NFST_240

```
0   'QUIT'
1   'POST PROFIT'
9   'MISSING DATA'.
```

.*

DESC VAR NFST_000 TO NFST_240.

```

*
*=====
*
* IDENTIFY LEGITIMATE NEW FIRM CASES.
*
*=====
*
IF (MISSING(WT_GD_NS) NE 1) NEWFIRM = 1.
VARIABLE LABEL
NEWFIRM '1 IS NEW FIRM CASE; SYSTEM MISS OTHERWISE'.
*
DESC VAR SAMPID.
*
IF (NEWFIRM = 1) QIT_FLAG = 0.
IF (NEWFIRM = 1) MIS_FLAG = 0.
*
VARIABLE LABELS
QIT_FLAG '100 = REPORT OF QUIT , 0 OTHERWISE'/
MIS_FLAG '100 = NO DATA FOR PERIOD,0 OTHERWISE'.
*
DESC VAR = SAMPID NF_BEGIN NF_QUIT LIW_DATE QT_CPT_L NEWFIRM
QIT_FLAG MIS_FLAG.
*
*=====
*
* FIRST MONTH: TM000001.
*
*=====
*
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 1.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 1.0)) MIS_FLAG = 100.
EXECUTE.
*
DESC VAR = QIT_FLAG MIS_FLAG.
*
*
* COMPUTE STATUS AT TIME PERIOD.
*
* IDENTIFY FIRM STILL OPERATING.
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_001 = 01.
*
* IDENTIFY FIRM HAS QUIT.
*
IF (QIT_FLAG=100) NFST_001 = 00.
*
* IDENTIFY A MISSING VALUE, BUT NOT IF FIRM QUIT REPORTED.
*
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_001 = 9.
FREQ VAR NFST_001.
*
*=====

```



```

*
* FIRST PERIOD: TM001003.
*
*=====
*
*
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 3.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 3.0)) MIS_FLAG = 100.
*
DESC VAR = QIT_FLAG MIS_FLAG.
*
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_003 = 01.
IF (QIT_FLAG=100) NFST_003 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_003 = 09.
FREQ VAR NFST_003.
*
*
*=====
*
* SECOND PERIOD: TM004006.
*
*=====
*
*
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 6.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 6.0)) MIS_FLAG = 100.
*
DESC VAR = QIT_FLAG MIS_FLAG.
*
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_006 = 01.
IF (QIT_FLAG=100) NFST_006 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_006 = 09.
FREQ VAR NFST_006.
*
*
*=====
*
* THIRD PERIOD: TM007009.
*
*=====
*
*
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 9.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 9.0)) MIS_FLAG = 100.
*
DESC VAR = QIT_FLAG MIS_FLAG.
*
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_009 = 01.
IF (QIT_FLAG=100) NFST_009 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_009 = 09.

```



```
*.  
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_018 = 01.  
IF (QIT_FLAG=100)                          NFST_018 = 00.  
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_018 = 09.  
FREQ VAR                                NFST_018.
```

```
*.  
*.  
*=====.  
*.  
* SEVENTH PERIOD: TM019021.  
*.  
*=====.
```

```
*.  
*.  
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 21.0)) QIT_FLAG = 100.  
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 21.0)) MIS_FLAG = 100.  
*.  
DESC VAR = QIT_FLAG MIS_FLAG.
```

```
*.  
*.  
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_021 = 01.  
IF (QIT_FLAG=100)                          NFST_021 = 00.  
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_021 = 09.  
FREQ VAR                                NFST_021.
```

```
*.  
*.  
*=====.  
*.  
* EIGHT PERIOD: TM022024.  
*.  
*=====.
```

```
*.  
*.  
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 24.0)) QIT_FLAG = 100.  
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 24.0)) MIS_FLAG = 100.  
*.  
DESC VAR = QIT_FLAG MIS_FLAG.
```

```
*.  
*.  
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_024 = 01.  
IF (QIT_FLAG=100)                          NFST_024 = 00.  
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_024 = 09.  
FREQ VAR                                NFST_024.
```

```
*.  
*.  
*=====.  
*.  
* NINTH PERIOD: TM025027.  
*.  
*=====.
```

```
*.  
*.  
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 27.0)) QIT_FLAG = 100.
```



```

*
*=====
*
*
* IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 36.0)) QIT_FLAG = 100.
* IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 36.0)) MIS_FLAG = 100.
*
* DESC VAR = QIT_FLAG MIS_FLAG.
*
*
* IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_036 = 01.
* IF (QIT_FLAG=100)                          NFST_036 = 00.
* IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_036 = 09.
*
*
*
*
*
*=====
*
* THIRTEENTH PERIOD: TM037039.
*
*=====
*
*
* IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 39.0)) QIT_FLAG = 100.
* IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 39.0)) MIS_FLAG = 100.
*
*
* DESC VAR = QIT_FLAG MIS_FLAG.
*
*
*
* IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_039 = 01.
* IF (QIT_FLAG=100)                          NFST_039 = 00.
* IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_039 = 09.
*
*
*
*
*
*=====
*
* FOURTEENTH PERIOD: TM040042.
*
*=====
*
*
* IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 42.0)) QIT_FLAG = 100.
* IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 42.0)) MIS_FLAG = 100.
*
*
* DESC VAR = QIT_FLAG MIS_FLAG.
*
*
*
* IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_042 = 01.
* IF (QIT_FLAG=100)                          NFST_042 = 00.
* IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_042 = 09.
*
*
*
*
*
*

```

*=====

*.
* FIFTEENTH PERIOD: TM043045.
*.
*=====

*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 45.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 45.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_045 = 01.
IF (QIT_FLAG=100) NFST_045 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_045 = 09.
FREQ VAR NFST_045.
*.
*.
*=====

*.
* SIXTEENTH PERIOD: TM046048.
*.
*=====

*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 48.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 48.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_048 = 01.
IF (QIT_FLAG=100) NFST_048 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_048 = 09.
FREQ VAR NFST_048.
*.
*.
*=====

*.
* SEVENTEENTH PERIOD: TM049051.
*.
*=====

*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 51.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 51.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_051 = 01.
IF (QIT_FLAG=100) NFST_051 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_051 = 09.

DESC VAR = QIT_FLAG MIS_FLAG.

*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_060 = 01.
IF (QIT_FLAG=100) NFST_060 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_060 = 09.
FREQ VAR NFST_060.

*.
*.
*.
*=====

* TWENTY-FIRST PERIOD: TM061063.

*.
*=====

*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 63.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 63.0)) MIS_FLAG = 100.

*.
DESC VAR = QIT_FLAG MIS_FLAG.

*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_063 = 01.
IF (QIT_FLAG=100) NFST_063 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_063 = 09.
FREQ VAR NFST_063.

*.
*.
*.
*=====

* TWENTY-SECOND PERIOD: TM064066.

*.
*=====

*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 66.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 66.0)) MIS_FLAG = 100.

*.
DESC VAR = QIT_FLAG MIS_FLAG.

*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_066 = 01.
IF (QIT_FLAG=100) NFST_066 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_066 = 09.
FREQ VAR NFST_066.

*.
*.
*.
*=====

* TWENTY-THIRD PERIOD: TM067069.


```

*
*=====
*
*
*
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 69.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 69.0)) MIS_FLAG = 100.
*
DESC VAR = QIT_FLAG MIS_FLAG.
*
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_069 = 01.
IF (QIT_FLAG=100)                          NFST_069 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_069 = 09.
FREQ VAR          NFST_069.
*
*
*=====
*
* TWENTY-FOURTH PERIOD: TM070072.
*
*=====
*
*
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 72.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 72.0)) MIS_FLAG = 100.
*
DESC VAR = QIT_FLAG MIS_FLAG.
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_072 = 01.
IF (QIT_FLAG=100)                          NFST_072 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_072 = 09.
FREQ VAR          NFST_072.
*
*
*=====
*
* TWENTY-FIFTH PERIOD: TM073084.
*
*=====
*
*
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 84.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 84.0)) MIS_FLAG = 100.
*
DESC VAR = QIT_FLAG MIS_FLAG.
*
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_084 = 01.
IF (QIT_FLAG=100)                          NFST_084 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_084 = 09.
FREQ VAR          NFST_084.
*
*

```

```

*
*=====
*
* TWENTY-SIXTH PERIOD: TM085096.
*
*=====
*
*
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 96.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 96.0)) MIS_FLAG = 100.
*
DESC VAR = QIT_FLAG MIS_FLAG.
*
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_096 = 01.
IF (QIT_FLAG=100) NFST_096 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_096 = 09.
FREQ VAR NFST_096.
*
*
*=====
*
* TWENTY-SEVENTH PERIOD: TM097108.
*
*=====
*
*
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 108.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 108.0)) MIS_FLAG = 100.
*
DESC VAR = QIT_FLAG MIS_FLAG.
*
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_108 = 01.
IF (QIT_FLAG=100) NFST_108 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_108 = 09.
FREQ VAR NFST_108.
*
*
*=====
*
* TWENTY-EIGHTH PERIOD: TM109120.
*
*=====
*
*
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 120.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 120.0)) MIS_FLAG = 100.
*
DESC VAR = QIT_FLAG MIS_FLAG.
*
*

```

```
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_120 = 01.
IF (QIT_FLAG=100)                          NFST_120 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_120 = 09.
FREQ VAR                                NFST_120.
```

```
*.
*
*
*=====
```

```
* TWENTY-NINTH PERIOD: TM121132.
```

```
*=====
*
*
*=====
```

```
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 132.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 132.0)) MIS_FLAG = 100.
```

```
*
DESC VAR = QIT_FLAG MIS_FLAG.
```

```
*
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_132 = 01.
IF (QIT_FLAG=100)                          NFST_132 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_132 = 09.
FREQ VAR                                NFST_132.
```

```
*
*
*=====
```

```
* THIRD PERIOD: TM133144.
```

```
*=====
*
*
*=====
```

```
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 144.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 144.0)) MIS_FLAG = 100.
```

```
*
DESC VAR = QIT_FLAG MIS_FLAG.
```

```
*
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_144 = 01.
IF (QIT_FLAG=100)                          NFST_144 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_144 = 09.
FREQ VAR                                NFST_144.
```

```
*
*
*=====
```

```
* THIRTY-FIRST PERIOD: TM145156.
```

```
*=====
*
*
*=====
```

```
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 156.0)) QIT_FLAG = 100.
```

IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 156.0)) MIS_FLAG = 100.

*.
*.
*.

IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_156 = 01.

IF (QIT_FLAG=100) NFST_156 = 00.

IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_156 = 09.

FREQ VAR NFST_156.

*.
*.
*.

=====

*.
*.
*.

THIRTY-SECOND PERIOD: TM157168.

*.
*.
*.

=====

*.
*.
*.

IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 168.0)) QIT_FLAG = 100.

IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 168.0)) MIS_FLAG = 100.

*.
*.
*.

DESC VAR = QIT_FLAG MIS_FLAG.

*.
*.
*.

IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_168 = 01.

IF (QIT_FLAG=100) NFST_168 = 00.

IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_168 = 09.

FREQ VAR NFST_168.

*.
*.
*.

=====

*.
*.
*.

THIRTY-THIRD PERIOD: TM169180.

*.
*.
*.

=====

*.
*.
*.

IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 180.0)) QIT_FLAG = 100.

IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 180.0)) MIS_FLAG = 100.

*.
*.
*.

DESC VAR = QIT_FLAG MIS_FLAG.

*.
*.
*.

IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_180 = 01.

IF (QIT_FLAG=100) NFST_180 = 00.

IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_180 = 09.

FREQ VAR NFST_180.

*.
*.
*.

=====

*.
*.
*.

THIRTY-FOURTH PERIOD: TM181240.

*.
*.
*.

```

*.
*=====
*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 240.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 240.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_240 = 01.
IF (QIT_FLAG=100) NFST_240 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_240 = 09.
FREQ VAR NFST_240.
*.
*=====
*.
* OVERVIEW OF PERIOD NEW FIRM STATUS.
*=====
*.
MISSING VALUES NFST_000 TO NFST_240 (9).
*.
WEIGHT OFF.
*.
DESC VAR = ALL.
*.
SAVE OUTFILE= 'C:\PSED_OUTCOME\SPSS_SAV\OUT_0032.SAV'.
EXPORT OUTFILE= 'C:\PSED_OUTCOME\SPSS_OUT\OUT_0032.POR'.
*.
*.
FINISH.
EXECUTE.
*_01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11.
*_01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11.

```

TITLE 'C:\PSED_OUTCOME\SPSS_PRO\OUT_0032.SPS'.
SUBTITLE 'PSED TRANSITION CHARTS: NEW FIRM SURVIVAL'.

*.
* SPSS 15 SYNTAX REVISED FROM SPSS PC SYNTAX.

*.
*=====.
SET HEADER = YES
/ERRORS = LISTING
/RESULTS = LISTING
/PRINTBACK = LISTING
/MESSAGES = LISTING
/ONUMBERS = BOTH
/OVARS = BOTH
/TNUMBERS = BOTH
/TVARS = BOTH
/TFIT = LABELS.

*.
SHOW.
*.
* SPSS-PC COMMAND STATEMENTS.

*.
*=====.
* TRACKT THE SURVIAL STATUS OF NEW FIRMS AFTER INITIAL DATE.
* THAT PROFITS ARE REPORTED.

*.
* PAUL REYHNOLDS 31 JULY 2011.
*.
*=====.

*.
*.
GET FILE = 'C:\PSED_OUTCOME\SPSS_SAV\OUT_0031.SAV'.
*.
*=====.

*.
* DELETE FLAG VARIABLES USED IN PREVIOUS ASSESSMENT.
*.
*=====.

*.
DELETE VARIABLES QIT_FLAG MIS_FLAG.
WEIGHT OFF.
DESC VAR = WT_GD_NS.
DESCRIPTIVES VAR = NF_BEGIN NF_BEGIN SU_QUIT NF_QUIT LIW_DATE.

*.
FREQ VAR SUSTATUS NFSTATUS GOODCASE.

*.
TEMPORARY.
SELECT IF (MISSING(WT_GD_NS) NE 1).
DESCRIPTIVES VAR WT_GD_NS.
WEIGHT BY WT_GD_NS.

*.
DESCRIPTIVES VAR = NF_BEGIN NF_BEGIN SU_QUIT NF_QUIT LIW_DATE.
*.
*.

```

*.
WEIGHT OFF.
*.
*=====
*.
*   NOTE: WT_GD_NS INCLUDES CASES WITH NO FOLLOW-UP INTERVIEWS.
*   TO PROVIDE FULL RANGE OF CASES THAT MAY MEET CRITERIA FOR A.
*   NEW FIRM.
*.
*=====
*.
CROSSTABS TABLE GOODCASE BY SUSTATUS NFSTATUS/CELL COUNT COL.
EXECUTE.
*.
*=====
*.
*   IDENTIFY QUILTS BEFORE CONCEPTION.
*.
*   IF NEW FIRM QUIT BEFORE NF BIRTH, RESET QUIT TO NEW FIRM BIRTH.
*.
*=====
*.
COMPUTE QT_NFB_L = ((NF_QUIT - NF_BEGIN)/30.4375).
VARIABLE LABEL
    QT_NFB_L 'NEW FIRM BIRTH TO QUIT LAG:MONTHS'.
TEMPORARY.
SELECT IF (QT_NFB_L LE 0).
LIST VAR SAMPID QT_NFB_L.
EXECUTE.
IF (QT_NFB_L LE 0) NF_BEGIN = NF_QUIT.
EXECUTE.
TEMPORARY.
SELECT IF (QT_NFB_L LE 0).
LIST SAMPID QT_NFB_L.
*.
*=====
*.
*   CHECK ON LAST FOLLOW_UP INTERVIEW WITH RESPONDENT = LIW_DATE.
*.
*=====
*.
WEIGHT OFF.
*.
TEMPORARY.
SELECT IF (MISSING(LIW_DATE) = 1).
FREQ VAR LIW_DATE.
*.
DESC VAR LIW_DATE.
*.
*=====
*.
*   COMPUTE LAST KNOW SURVIVAL DATES FOR ENTRE NEW FIRM.
*.
*=====

```

```

*.
DESC VAR NF_ACT.
*.
*.
*=====
*.
*   SET UP TIME PERIODS FOR WHICH NEW FIRM STATUS SHOULD BE KNOWN.
*.
*   NOTE THAT ONCE A START-UP IS CLASSIFIED AS A QUIT.
*   THEY ARE NOT RECLASSIFIED.
*.
*   OPERATING NEW FIRMS CAN ONLY BE RECALSSIFIED AS NA QUIT.
*.
*   WHEN TIME BETWEEN DATE OF INITIAL PROFITS AND THE LAST FOLLOW-UP.
*   INTERVIEW EXCEEDS THE TIME PERIOD, THE CASE STATUS IS CLASSIFIED.
*   AS MISSING.
*.
*=====
*.
*.
*=====
*.
*   CREATE STATUS MARKERS FOR EACH TIME PERIOD.
*.
*=====
*.
IF (MISSING(WT_GD_NS) NE 1)   NFST_000 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_001 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_003 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_006 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_009 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_012 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_015 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_018 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_021 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_024 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_027 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_030 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_033 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_036 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_039 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_042 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_045 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_048 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_051 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_054 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_057 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_060 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_063 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_066 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_069 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_072 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_084 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_096 = 1.

```



```
IF (MISSING(WT_GD_NS) NE 1)   NFST_108 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_120 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_132 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_144 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_156 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_168 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_180 = 1.
IF (MISSING(WT_GD_NS) NE 1)   NFST_240 = 1.
```

*,

VARIABLE LABEL

```
NFST_000 '00 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_001 '01 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_003 '03 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_006 '06 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_009 '09 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_012 '12 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_015 '15 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_018 '18 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_021 '21 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_024 '24 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_027 '27 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_030 '30 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_033 '33 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_036 '36 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_039 '39 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_042 '42 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_045 '45 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_048 '48 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_051 '51 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_054 '54 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_057 '57 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_060 '60 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_063 '63 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_066 '66 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_069 '69 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_072 '72 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_084 '84 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_096 '96 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_108 '108 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_120 '120 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_132 '132 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_144 '144 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_156 '156 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_168 '168 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_180 '180 MTH AFTER BIRTH:NEW FIRM STATUS'/
NFST_240 '240 MTH AFTER BIRTH:NEW FIRM STATUS'.
```

*,

VALUE LABELS NFST_000 TO NFST_240

```
0   'QUIT'
1   'POST PROFIT'
9   'MISSING DATA'.
```

*,

DESC VAR NFST_000 TO NFST_240.

```

*
*=====
*
* IDENTIFY LEGITIMATE NEW FIRM CASES.
*
*=====
*
IF (MISSING(WT_GD_NS) NE 1) NEWFIRM = 1.
VARIABLE LABEL
NEWFIRM '1 IS NEW FIRM CASE; SYSTEM MISS OTHERWISE'.
*
DESC VAR SAMPID.
*
IF (NEWFIRM = 1) QIT_FLAG = 0.
IF (NEWFIRM = 1) MIS_FLAG = 0.
*
VARIABLE LABELS
QIT_FLAG '100 = REPORT OF QUIT , 0 OTHERWISE'/
MIS_FLAG '100 = NO DATA FOR PERIOD,0 OTHERWISE'.
*
DESC VAR = SAMPID NF_BEGIN NF_QUIT LIW_DATE QT_CPT_L NEWFIRM
QIT_FLAG MIS_FLAG.
*
*=====
*
* FIRST MONTH: TM000001.
*
*=====
*
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 1.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 1.0)) MIS_FLAG = 100.
EXECUTE.
*
DESC VAR = QIT_FLAG MIS_FLAG.
*
*
* COMPUTE STATUS AT TIME PERIOD.
*
* IDENTIFY FIRM STILL OPERATING.
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_001 = 01.
*
* IDENTIFY FIRM HAS QUIT.
*
IF (QIT_FLAG=100) NFST_001 = 00.
*
* IDENTIFY A MISSING VALUE, BUT NOT IF FIRM QUIT REPORTED.
*
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_001 = 9.
FREQ VAR NFST_001.
*
*=====

```

```

*.
*   FIRST PERIOD: TM001003.
*.
*=====
*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 3.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 3.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_003 = 01.
IF (QIT_FLAG=100)                          NFST_003 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_003 = 09.
FREQ VAR          NFST_003.
*.
*.
*=====
*.
*   SECOND PERIOD: TM004006.
*.
*=====
*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 6.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 6.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_006 = 01.
IF (QIT_FLAG=100)                          NFST_006 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_006 = 09.
FREQ VAR          NFST_006.
*.
*.
*=====
*.
*   THIRD PERIOD: TM007009.
*.
*=====
*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 9.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 9.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_009 = 01.
IF (QIT_FLAG=100)                          NFST_009 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_009 = 09.

```



```
*.  
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_018 = 01.  
IF (QIT_FLAG=100)                          NFST_018 = 00.  
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_018 = 09.  
FREQ VAR          NFST_018.
```

```
*.  
*.  
*=====.  
*.  
* SEVENTH PERIOD: TM019021.  
*.  
*=====.
```

```
*.  
*.  
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 21.0)) QIT_FLAG = 100.  
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 21.0)) MIS_FLAG = 100.  
*.  
DESC VAR = QIT_FLAG MIS_FLAG.
```

```
*.  
*.  
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_021 = 01.  
IF (QIT_FLAG=100)                          NFST_021 = 00.  
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_021 = 09.  
FREQ VAR          NFST_021.
```

```
*.  
*.  
*=====.  
*.  
* EIGHT PERIOD: TM022024.  
*.  
*=====.
```

```
*.  
*.  
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 24.0)) QIT_FLAG = 100.  
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 24.0)) MIS_FLAG = 100.  
*.  
DESC VAR = QIT_FLAG MIS_FLAG.
```

```
*.  
*.  
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_024 = 01.  
IF (QIT_FLAG=100)                          NFST_024 = 00.  
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_024 = 09.  
FREQ VAR          NFST_024.
```

```
*.  
*.  
*=====.  
*.  
* NINTH PERIOD: TM025027.  
*.  
*=====.
```

```
*.  
*.  
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 27.0)) QIT_FLAG = 100.
```

IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 27.0)) MIS_FLAG = 100.

*.
DESC VAR = QIT_FLAG MIS_FLAG.

*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_027 = 01.
IF (QIT_FLAG=100) NFST_027 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_027 = 09.
FREQ VAR NFST_027.

*.
*=====.
* TENTH PERIOD: TM028030.
*=====.

*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 30.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 30.0)) MIS_FLAG = 100.

*.
DESC VAR = QIT_FLAG MIS_FLAG.

*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_030 = 01.
IF (QIT_FLAG=100) NFST_030 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_030 = 09.
FREQ VAR NFST_030.

*.
*=====.
* ELEVENTH PERIOD: TM031033.
*=====.

*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 33.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 33.0)) MIS_FLAG = 100.

*.
DESC VAR = QIT_FLAG MIS_FLAG.

*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_033 = 01.
IF (QIT_FLAG=100) NFST_033 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_033 = 09.
FREQ VAR NFST_033.

*.
*=====.
* TWELFTH PERIOD: TM034036.
*=====.

```

*.
*=====
*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 36.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 36.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_036 = 01.
IF (QIT_FLAG=100)                          NFST_036 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_036 = 09.
FREQ VAR          NFST_036.
*.
*.
*=====
*.
*   THIRTEENTH PERIOD: TM037039.
*.
*=====
*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 39.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 39.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_039 = 01.
IF (QIT_FLAG=100)                          NFST_039 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_039 = 09.
FREQ VAR          NFST_039.
*.
*.
*=====
*.
*   FOURTEENTH PERIOD: TM040042.
*.
*=====
*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 42.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 42.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_042 = 01.
IF (QIT_FLAG=100)                          NFST_042 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_042 = 09.
FREQ VAR          NFST_042.
*.
*.

```

=====

*.
* FIFTEENTH PERIOD: TM043045.
*.
=====

*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 45.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 45.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_045 = 01.
IF (QIT_FLAG=100) NFST_045 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_045 = 09.
FREQ VAR NFST_045.
*.
*.
=====

*.
* SIXTEENTH PERIOD: TM046048.
*.
=====

*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 48.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 48.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_048 = 01.
IF (QIT_FLAG=100) NFST_048 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_048 = 09.
FREQ VAR NFST_048.
*.
*.
=====

*.
* SEVENTEENTH PERIOD: TM049051.
*.
=====

*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 51.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 51.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_051 = 01.
IF (QIT_FLAG=100) NFST_051 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_051 = 09.

DESC VAR = QIT_FLAG MIS_FLAG.

*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_060 = 01.
IF (QIT_FLAG=100) NFST_060 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_060 = 09.
FREQ VAR NFST_060.

*.
*.
*.
*=====

* TWENTY-FIRST PERIOD: TM061063.

*.
*=====

*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 63.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 63.0)) MIS_FLAG = 100.

*.
DESC VAR = QIT_FLAG MIS_FLAG.

*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_063 = 01.
IF (QIT_FLAG=100) NFST_063 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_063 = 09.
FREQ VAR NFST_063.

*.
*.
*.
*=====

* TWENTY-SECOND PERIOD: TM064066.

*.
*=====

*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 66.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 66.0)) MIS_FLAG = 100.

*.
DESC VAR = QIT_FLAG MIS_FLAG.

*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_066 = 01.
IF (QIT_FLAG=100) NFST_066 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_066 = 09.
FREQ VAR NFST_066.

*.
*.
*.
*=====

* TWENTY-THIRD PERIOD: TM067069.

```

*.
*=====
*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 69.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 69.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_069 = 01.
IF (QIT_FLAG=100)                          NFST_069 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_069 = 09.
FREQ VAR          NFST_069.
*.
*.
*=====
*.
* TWENTY-FOURTH PERIOD: TM070072.
*.
*=====
*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 72.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 72.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_072 = 01.
IF (QIT_FLAG=100)                          NFST_072 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_072 = 09.
FREQ VAR          NFST_072.
*.
*.
*=====
*.
* TWENTY-FIFTH PERIOD: TM073084.
*.
*=====
*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 84.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 84.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_084 = 01.
IF (QIT_FLAG=100)                          NFST_084 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_084 = 09.
FREQ VAR          NFST_084.
*.
*.

```

```

*
*=====
*
* TWENTY-SIXTH PERIOD: TM085096.
*
*=====
*
*
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 96.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 96.0)) MIS_FLAG = 100.
*
DESC VAR = QIT_FLAG MIS_FLAG.
*
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_096 = 01.
IF (QIT_FLAG=100) NFST_096 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_096 = 09.
FREQ VAR NFST_096.
*
*
*=====
*
* TWENTY-SEVENTH PERIOD: TM097108.
*
*=====
*
*
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 108.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 108.0)) MIS_FLAG = 100.
*
DESC VAR = QIT_FLAG MIS_FLAG.
*
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_108 = 01.
IF (QIT_FLAG=100) NFST_108 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_108 = 09.
FREQ VAR NFST_108.
*
*
*=====
*
* TWENTY-EIGHTH PERIOD: TM109120.
*
*=====
*
*
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 120.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 120.0)) MIS_FLAG = 100.
*
DESC VAR = QIT_FLAG MIS_FLAG.
*
*

```

```
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_120 = 01.
IF (QIT_FLAG=100)                          NFST_120 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_120 = 09.
FREQ VAR                                NFST_120.
```

```
*.
*
*
*=====
```

```
* TWENTY-NINTH PERIOD: TM121132.
```

```
*=====
*
*
*=====
```

```
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 132.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 132.0)) MIS_FLAG = 100.
```

```
*
DESC VAR = QIT_FLAG MIS_FLAG.
```

```
*
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_132 = 01.
IF (QIT_FLAG=100)                          NFST_132 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_132 = 09.
FREQ VAR                                NFST_132.
```

```
*
*
*=====
```

```
* THIRD PERIOD: TM133144.
```

```
*=====
*
*
*=====
```

```
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 144.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 144.0)) MIS_FLAG = 100.
```

```
*
DESC VAR = QIT_FLAG MIS_FLAG.
```

```
*
*
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0))          NFST_144 = 01.
IF (QIT_FLAG=100)                          NFST_144 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100))  NFST_144 = 09.
FREQ VAR                                NFST_144.
```

```
*
*
*=====
```

```
* THIRTY-FIRST PERIOD: TM145156.
```

```
*=====
*
*
*=====
```

```
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 156.0)) QIT_FLAG = 100.
```

IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 156.0)) MIS_FLAG = 100.

*.
*.
*.

IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_156 = 01.

IF (QIT_FLAG=100) NFST_156 = 00.

IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_156 = 09.

FREQ VAR NFST_156.

*.
*.
*.

=====

*.
*.
*.

THIRTY-SECOND PERIOD: TM157168.

*.
*.
*.

=====

*.
*.
*.

IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 168.0)) QIT_FLAG = 100.

IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 168.0)) MIS_FLAG = 100.

*.
*.
*.

DESC VAR = QIT_FLAG MIS_FLAG.

*.
*.
*.

IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_168 = 01.

IF (QIT_FLAG=100) NFST_168 = 00.

IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_168 = 09.

FREQ VAR NFST_168.

*.
*.
*.

=====

*.
*.
*.

THIRTY-THIRD PERIOD: TM169180.

*.
*.
*.

=====

*.
*.
*.

IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 180.0)) QIT_FLAG = 100.

IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 180.0)) MIS_FLAG = 100.

*.
*.
*.

DESC VAR = QIT_FLAG MIS_FLAG.

*.
*.
*.

IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_180 = 01.

IF (QIT_FLAG=100) NFST_180 = 00.

IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_180 = 09.

FREQ VAR NFST_180.

*.
*.
*.

=====

*.
*.
*.

THIRTY-FOURTH PERIOD: TM181240.

*.
*.
*.

```

*.
*=====
*.
*.
IF ((NEWFIRM=1)&(((NF_QUIT - NF_BEGIN)/30.4375) LE 240.0)) QIT_FLAG = 100.
IF ((NEWFIRM=1)&(((LIW_DATE - NF_BEGIN)/30.4375) LE 240.0)) MIS_FLAG = 100.
*.
DESC VAR = QIT_FLAG MIS_FLAG.
*.
*.
IF ((MIS_FLAG= 0)&(QIT_FLAG= 0)) NFST_240 = 01.
IF (QIT_FLAG=100) NFST_240 = 00.
IF ((QIT_FLAG NE 100) & (MIS_FLAG = 100)) NFST_240 = 09.
FREQ VAR NFST_240.
*.
*=====
*.
* OVERVIEW OF PERIOD NEW FIRM STATUS.
*=====
*.
MISSING VALUES NFST_000 TO NFST_240 (9).
*.
WEIGHT OFF.
*.
DESC VAR = ALL.
*.
SAVE OUTFILE= 'C:\PSED_OUTCOME\SPSS_SAV\OUT_0032.SAV'.
EXPORT OUTFILE= 'C:\PSED_OUTCOME\SPSS_OUT\OUT_0032.POR'.
*.
*.
FINISH.
EXECUTE.
*_01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11.
*_01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11__01AUG11.

```

TITLE 'C:\PSED_OUTCOME\SPSS_PRO\OUT_0033.SPS'.
SUBTITLE 'PSED START-UP TRANSITION, NEW FIRM SURVIVAL'.

*.
* SPSS 15 SYNTAX REVISED FROM SPSS PC SYNTAX.

*.
*=====.
SET HEADER = YES
/ERRORS = LISTING
/RESULTS = LISTING
/PRINTBACK = LISTING
/MESSAGES = LISTING
/ONUMBERS = BOTH
/OVARS = BOTH
/TNUMBERS = BOTH
/TVARS = BOTH
/TFIT = LABELS.

*.
SHOW.
*.
* SPSS-PC COMMAND STATEMENTS.

*.
*=====.
* PREPARE CONSOLIDATED TRANSITION, OUTCOME FILE FOR DISTRIBUTION.
*
* PAUL REYHNOLDS 03 AUGUST 2011.

*.
*=====.
*
* GET FILE = 'C:\PSED_OUTCOME\SPSS_SAV\OUT_0032.SAV'.
*.
*=====.

*.
* DELETE FLAG VARIABLES USED IN PREVIOUS ASSESSMENT.
*.
*=====.

*.
DELETE VARIABLES
WT_GD_FU
ENT_FLAG NEWFIRM QIT_FLAG MIS_FLAG
QT_CPT_L QT_SUP_L QT_NFB_L
SUST_084 SUST_096 SUST_108 SUST_120
SUST_132 SUST_144 SUST_156 SUST_168
SUST_180 SUST_240
NFST_039 NFST_042 NFST_045 NFST_048
NFST_051 NFST_054 NFST_057 NFST_060
NFST_063 NFST_066 NFST_069 NFST_072
NFST_084 NFST_096 NFST_108 NFST_120
NFST_132 NFST_144 NFST_156 NFST_168
NFST_180 NFST_240.

*.
VARIABLE LABELS


```

SAMPID 'CASE ID: RESPID IN PSED I, SAMPID IN PSED II'/
WT_WV_1 '1ST WAVE WEIGHT: Q IN PSED I, A IN PSED II'/
WT_WV_2 '2ND WAVE WEIGHT: R IN PSED I, B IN PSED II'/
WT_WV_3 '3RD WAVE WEIGHT: S IN PSED I, C IN PSED II'/
WT_WV_4 '4TH WAVE WEIGHT: T IN PSED I, D IN PSED II'/
WT_WV_5 '5TH WAVE WEIGHT:NONE IN PSED I, E IN PSED II'/
WT_WV_6 '6TH WAVE WEIGHT:NONE IN PSED I, F IN PSED II'/
SC_DATE 'SCREENING INTERVIEW DATE'/
W1_DATE '1ST WAVE IW DATE: Q IN PSED I, A IN PSED II'/
W2_DATE '2ND WAVE IW DATE: R IN PSED I, B IN PSED II'/
W3_DATE '3RD WAVE IW DATE: S IN PSED I, C IN PSED II'/
W4_DATE '4TH WAVE IW DATE: T IN PSED I, D IN PSED II'/
W5_DATE '5TH WAVE IW DATE:NONE IN PSED I, E IN PSED II'/
W6_DATE '6TH WAVE IW DATE:NONE IN PSED I, F IN PSED II'.

*.
DESC VAR SC_DATE W1_DATE W2_DATE W3_DATE W4_DATE W5_DATE W6_DATE
LIW_DATE.

*.
FORMAT SC_DATE W1_DATE W2_DATE W3_DATE W4_DATE W5_DATE W6_DATE
LIW_DATE (F8.0).

*.
DESC VAR SC_DATE W1_DATE W2_DATE W3_DATE W4_DATE W5_DATE W6_DATE
LIW_DATE.

*.
WEIGHT OFF.

*.
DESC VAR = ALL.

*.
*.
SAVE OUTFILE= 'C:\PSED_OUTCOME\SPSS_SAV\OUT_0033.SAV'.
EXPORT OUTFILE= 'C:\PSED_OUTCOME\SPSS_OUT\OUT_0033.POR'.

*.
SAVE OUTFILE= 'C:\PSED_OUTCOME\DISTRIBUTION\PSED_OUTCOME.SAV'.
EXPORT OUTFILE= 'C:\PSED_OUTCOME\DISTRIBUTION\PSED_OUTCOME.POR'.

*.
* SAVE IN EXCEL VERSION 2.1.

*.
SAVE TRANSLATE
/OUTFILE= 'C:\PSED_OUTCOME\DISTRIBUTION\PSED_OUTCOME.XLS'
/TYPE = XLS
/VERSION = 2
/FIELDNAMES
/REPLACE.

*.
* SAVE AS SAS TRANSPORT FILE.

*.
SAVE TRANSLATE
/OUTFILE= 'C:\PSED_OUTCOME\DISTRIBUTION\PSED_OUTCOME.SAS'
/TYPE = SAS
/VERSION = X
/REPLACE.

*.
* SAVE AS STATA VERSION 7 SE EDITION.

*.

```

```
SAVE TRANSLATE
  /OUTFILE= 'C:\PSED_OUTCOME\DISTRIBUTION\PSED_OUTCOME.STA'
  /TYPE = STATA
  /VERSION = 7
  /EDITION = SE
  /REPLACE.
```

```
*.
```

```
FINISH.
EXECUTE.
```

```
*.
```

```
*__15FEB13__15FEB13__15FEB13__15FEB13__15FEB13__15FEB13__15FEB13__15FEB13.
```

```
*__15FEB13__15FEB13__15FEB13__15FEB13__15FEB13__15FEB13__15FEB13__15FEB13.
```