Combined Census and Survey Data Files: Thailand, 1970-90

DATA DOCUMENTATION AND CODEBOOK

National Statistical Office
Bangkok, Thailand

and

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University of Washington
Seattle, WA 98195
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CONTENTS

TECHNICAL INFORMATION ON THE DATA TAPE

Combined Census and Survey Data Files:Thailand, 1970-90

Tape:

VSN = CH119C

LRECL = 80

BLKSIZE = 32,000

RECFM = FB

BACKUP TAPES = CHXXX - 18-Track Cartridge (NL)

The 1970-1980-1985-1990 Thai merged file[1] contains 63 variables with 519,972 unweighted observations (Note that the variable PROVINCE follows 1970 boundaries). The portable file of this merged data is stored in tape CH119C . To access the tape from mead:

```
tmr -v ch119c
mt -f $RMT rewind
mt -f $RMT_NR fsf 1
dd if=$RMT_NR of=T7859MRG.POR conv=ascii ibs=32000 obs=80
```

See guide.ref (l:\csde\transfer\seafert\guide.ref) for procedures to create the 1970-1980-1985-1990 Thai merged file.

[1] In addition to the four-year data file, the 1970-1980-1990 Thai merged file is also created. The three-year data file contains 63 variables with 422,802 unweighted observations. The portable file of this merged data is stored in tape CH118C. To access the tape:

```
tmr -v ch118c
mt -f $RMT rewind
mt -f $RMT_NR fsf 1
dd if=$RMT_NR of=TH789MRG.POR conv=ascii ibs=32000 obs=80
```

See guide.ref for more information.

Combined Census and Survey Data Files: Thailand, 1970-90

Geographical Comparability, Construction of Contextual Measures, Comparability of Variables, and Computer Programs

I. Geographical Comparability

The 1970 province boundaries (N=71) have been used for 1970, 1980, 1985-6 SPC (Survey for Population Change), and 1990. There was an increase from 71 provinces in 1970 to 72 provinces in 1980. This change resulted from the creation of two new provinces (Phayao and Yasothon) and the combining of two provinces (Phranakorn and Thonburi) into Phranakorn (Bangkok). Information was available on the amphoes (districts) involved in the changes therefore it was possible, from the census tapes, to accurately reconstitute the 1970 boundaries. In 1982, a new province, Mukdahan, was formed out of part of Nakhon Phanom. Between 1982 and 1990, there were no new provinces being created. Thus, there are a total of 73 provinces in 1990. In the merged file, this new province is considered part of Nakhon Phanom. With recoding using information about amphoes the boundaries are reconstituted to their 1970 definitions. Thus the number of provinces remains at 71 for the analysis. The 1985-6 SPC has cases in only 51 provinces.

When contextual data were taken from published sources these matching procedures could not be followed in every case because information was not available at the amphoe level to distinguish provinces. In these instances the values for Phranakorn (Bangkok) were assigned to Thonburi, and Phayao and Yasothon were combined with their original provinces (Chiangrai and Ubon Ratchathani, respectively) based on a weighted average of their respective 1980 populations. The instances where variables taken from published sources were the 1980 infant mortality and family planning variables of 1980 and 1989 and the population density variables.

The construction of other contextual variables for 1970 relied on minimum base populations of over 100 persons in all provinces except for Ranong. The variables with age restrictions such as marriage markets and women's status were calculated with base population of less than 100, but usually greater than 50.

In 1980, except for infant mortality (which is described later in this codebook) and two of the marriage market variables, the base populations for all other contextual variables generally exceeded 100 persons. Again, the exception is Ranong. For both 1970 and 1980 an examination of the values of the contextual variables for Ranong revealed no major differences from expectations therefore the estimated values are considered acceptable.

II. Construction of Contextual Measures

The following describes the construction of the contextual measures: women's status, the marriage market, infant mortality, the value of children, the family planning environment, and population density. A correlation matrix between the contextual variables and the two dependent variables is shown in Appendix E.

a) Women's Status

The following indicators of women's status are constructed for 1970, 1980[2] and 1990:

1. WEPROP: % Women 15-34 with education attainment higher than Grade 4.
2. WWPROP: % Working women 15-34 working in the non-agricultural sector (eg. all occupations except the following: argicultural, animal husbandry, forest workers, fishermen and hunters.)

b) Marriage Market

One indicator of the marriage market is employed.

1. MPROP : Proportion of women aged 15-24 who are single.

c) Infant Mortality

1. IM: Infant Mortality q_0 (x1000) based on North Life Table

Infant mortality was estimated using the Brass technique of indirect estimation. The Brass technique of indirect estimation of infant mortality has been extensively used in Thailand. Both 1970 and 1980 Census data were used for this purpose (Population Survey Division, National Statistics Office, 1983, unpublished; Chamratritirong and Pejaranonda, 1985; Knodel and

[2]In the 1970 and 1980 merged file, more than 20 indicators were selected for this concept. These include E1, E2, E3, MED1, E4, E5, E6, MED2, W1, W2, W3, W4, W5, W6, W7, W8, W9, W10, W11, W12, AGE1, AGE2, AGE3, AGE4, ED1, ED3, ED2, AND ED4. Readers who are interested in the above indicators can consult the Southeast Asia Fertility Transition Project (SEAFT) Codebook, Pooled Files of the 1970 and 1980 Census Microdata Samples for Indonesia, Malaysia, Philippines and Thailand.

Chamratritirong, 1978). Other sources of information about mortality are scarce. Vital registration has also been used, but a great deal of incompleteness of coverage is reported (Chamratritirong and Pejaranonda, 1985). In addition the three Surveys of Population Change (SPC) which have a dual record design, have been used to make some estimates of mortality. While the Brass estimates of infant mortality for Thailand are known to underestimate the level of infant mortality it has been argued that they are consistent in terms of patterns across areas and over time (Chamratrithirong and Pejaranonda, 1985). Although we have generated the Brass estimates for both 1970 and 1980 there was some difficulties because of the small sample sizes in 1980 for several of the provinces. Published results for 1980 were available (Population Survey Division, 1983). These estimates were based on a 20 percent sample of the Census, and thus do not encounter the problems of small sample size. It was decided to use these estimates, based on the age group of women 20-24, and the North life table, in conjunction with our estimates based on the same age group and life table for 1970. Indirect estimates of mortality for 1990 did not yield consistent results and are not included in this data file.

d) Value of Children

The indicators for the value of children reflect two activities, children's education and work. There are three education variables. The first variable is defined as the proportion of children 6-13 years old who are not currently attending primary schools, and the second is the proportion of children 12-18 years old who are not currently attending secondary school. The third variable is defined as the proportion of children 7-15 years old who are not currently attending school. Three work variables were created. The first two variables are the proportion of children, aged 13-16 and aged 13-17

who are in the labor force. The third work variable is the proportion of children working as unpaid family labor.

These indicators are shown below:

1. C613NP - Proportion of Children Aged 6-13 not attending primary school.

2. C1218NS - Proportion of Children Aged 12-18 not attending secondary school.

3. C715NE - Proportion of Children Aged 7-15 not currently enrolled at school.

4. FAMLAB - Proportion of Children as Unpaid Family Laborers.

5. CWPROP2 - Proportion of Children Aged 13-16 in Labor Force.

6. CWPROP3 - Proportion of Children Aged 13-17 in Labor Force.

e) Family Planning Environment[3]

The 1980 family planning variables were obtained from the *Province Data Base*, compiled by Institute for Population and Social Research (IPSR), Mahidol University. The earliest available family planning data were for 1975, additional data were available for 1977, 1979, 1981. The 1989 data were obtained from Ministry of Public Health[4] (1989). Therefore variables cannot be constructed for 1970 and the data for 1979 and 1989 are selected to represent the family planning inputs (availability) for 1980 and 1990. Two indices - PRIM and SEC were created to correspond with the health personnel dimension.

1. PRIM: Ratio of doctors and nurses to urban population (primary health care workers).

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[3]In the 1970 and 1980 merged file, 16 indicators were selected for this concept. Interested readers should consult the SEAFT codebook.

[4]*Report on Health Resources in Thailand, 1989.* Division of Health Statistics, Office of the Permanant Secretary, Ministry of Public Health. Pp. 39-40, 43-44, 47-48, 51-70.

2. SEC : Ratio of nurses aids, midwives and village health workers to rural population (secondary health care workers). The family planning variables are given values of 0 for 1970.

f) Population Density Variables

The population density variables were obtained from various annual editions of *Agricultural Statistics of Thailand*[5]. There are three variables for this contextual dimension.

1. AVFMZ: Average farm size, measured in rai.

2. AVPPFM: Average farm size multiplied by average rice production (measured in tonnes per rai) multiplied by -1. The higher the score the greater the population pressure. Note: the data is available for a subset of provinces for 1970.

3. DEN: Population density -- number of people per square kilometer.

For 1985 the contextual variables are based on 1980 provincial values.

III. Construction of a Merged File

a) Comparability of Individual level variables between 1970, 1980, 1985 SPC and 1990

In creating the merged file for Thailand an effort was made to match variables from the 1970, 1980, 1985-6 SPC and 1990 censuses in such a way that they would be comparable across the censuses. For the majority of the variables, this is accomplished. For several, however, perfect comparability could not be established. There are two main reasons for this, including changes in the province boundaries and changes in the coding of variables. Most of the variables required little, if any recoding, or other manipulation

[5]Division of Agricultural Economics. 1979 and 1988. *Agricultural Statistics of Thailand*. Office of the Under-Secretary of State. Ministry of Agriculture & Co-Operatives. Bangkok, Thailand. Agricultural Statistics.

to establish comparability. For other variables perfect comparability could not be established. For example both province of birth and province of previous residence in 1980 could not be directly linked to the same variables in 1970 and amphoe (information) would be required for each of these variables in order to establish 1970 province boundaries. Therefore it was decided to retain the 1980 coding for these variables. If comparable data is required, an approximation can be undertaken by using the recodes for present place of residence. The changing treatment by census officials of Bangkok forced a number of recodes. For example, we have used 1980 region boundaries in which Bangkok was treated as a separate region. In order to match this region to the 1970 data we have coded the provinces of Phranakorn and Thonburi into the region of Bangkok. Similarly for the urban variables we have treated Bangkok, in 1970, as a separate category (with the value of Metropolitan).

There are several other differences in the coding of province of previous residence and municipality of previous residence between 1970, 1980 and 1990. In all three censuses, province of previous residence was only asked, and coded, for persons who had been living in their current place of residence for less than 5 years. In 1970 respondents who fit this description were coded according to the province code of the province in which they had previously resided. In 1980 and 1990 the same coding was undertaken for those who had moved between provinces and a separate code (78) was used for respondents who had changed their place of residence within a province. The question "type of municipality previously resided in" was again restricted to persons who had resided in their current place of residence less than 5 years.

The education variables used in the Thai census differ from those i n many other censuses and users should carefully compare the different questions. One question asks all persons over 5 years old their highest

completed grade level of school. There are minor coding differences between years. We have not attempted to make the codes completely compatible, preferring instead, to retain as much detail as possible. The user should refer to the respective codebooks in situations where compatibility of codes are required.

The same situation is true for occupation (usual occu pation). Occupations are coded differently for each census year and users wishing to make these variables comparable should consult the codebooks. (See Appendix E for a list of all variables and their codes.)

Thee main dependent variable in the data file is called OWN. It is the total number of children aged 0-2 a woman has at census year.

b) Sample Sizes and Weights

The census microdata sample files contain household and individual records of approximately 2.0%, 1.0%, and 1.2% of the total enumerated census populations for 1970, 1980, and 1990 respectively (see the original codebooks for a more complete discussion of sampling procedures). The microdata samples are not, however, a simple random selection of the census populations, and weights are necessary to adjust for the criteria used for differential sample selection. A weight variable is attached to each record. The weights were estimated by the National Statistical Office of Thailand to adjust for sample selection and to inflate the microdata sample to the total enumerated census population. Users of the microdata sample files who use the weighted data should use an adjustment factor to deflate the sample size to equal the unweighted sample of the microdata file. This can be done by multiplying the weight variable in each census by the ratio of unweighted microdata sample size to total census population. The following table shows the population counts and the deflation adjustment for the 1970, 1980, and 1990 censuses.

Table 1: Population Counts and the Weight Variables

Year	Total Population	Sample Fraction of Microdata File	Unweighted Sample Size		Adjustment to Census weight
			Total Population	Women 15-49	
	(1)	(2)	(3)	(4)	(5)
1970	34,396,051	2.0%	772,251	184,926	772,251/34,396,051
1980	44,276,037	1.0%	388,080	98,990	388,080/44,276,037
1990	54,532,365	1.2%	485,096	138,886	485,096/54,532,365

(1): From published census reports
(2): See original data documentation and codebook
(3): From original microdata file
(4): From original microdata file
(5): (3)/(1)

There is no weighting variable for 1985-6 SPC. Based on the above information, a new adjusted weight variable in the data file is created. The name of the variable is WEIGHT. See the SPSS programs in Appendix D for commands for creating this variable.

c) Lists of Contextual Measures

The following list of contextual variables are chosen to be included in the merged file.

1. AVFMZ: Average farm size, measured in rai.

2. AVPPFM: Average farm size multiplied by average rice production (measured in tonnes per rai) multiplied by -1. The higher the score the greater the population pressure. The data for this variable are only a subset of provinces for 1970. Provinces lack the data are coded missing.

3. DEN: Population density -- number of people per square kilometer.

4. PRIM: Ratio of doctors and nurses to urban population (primary health care workers). Again the data are not available for 1970.

5. SEC : Ratio of the total count of nurses aids, midwives and village health workers to rural population (secondary health care workers). Note: the data is not available for 1970.

6. C1218NS: Proportion of Children Aged 12-18 not attending secondary school.

7. C613NP: Proportion of Children Aged 6-13 not attending primary school.

8. C715NE: Proportion of Children Aged 7-15 not currently enrolled at school.

9. FAMLAB: Proportion of Children as Unpaid Family Laborers.

10. CWPROP2: Proportion of Children Aged 13-16 in Labor Force.

11. CWPROP3: Proportion of Children Aged 13-17 in Labor Force.

12. WEPROP: % Women 15-34 with Education greater than Grade 4 level.

13. WWPROP: % Women 15-34 working in Non-Agricultural Sector.

14. MPROP : Proportion of women aged 15-24 who are single.

15. IM: Infant Mortality q0 (x1000) based on North Life Table.

The indicators selected were included in a raw data file (a portable file). The file, named TCON789.POR, contains 16 variables. The first variable, named PROVINCE, indicates province to match with province of residence for the individual level file. The remaining variables are the 15 contextual measures. Appendix H shows the descriptive statistics for these contextual variables.

d) Merging the Contextual File and Standard Files (matching women with their husband and children)

This contextual data file has been matched to the 1970, 1980, 1985 and 1990 standard micro-data files. A new variable, YEAR, coded as 1970, 1980, 1985 or 1990, identifies from which census each observation is derived. The tape information for the merged file, and the SPSS file that created the merged portable file, are provided in Appendix A. See guide.ref file, located

in CSDE server l:\csde\transfer\seafert\guide.ref, for more documentation on file locations.

Appendix A lists the fortran programs for matching women with their husbands and children. Appendix B shows the result of the matching. Appendix C shows the variable locations in the original census data file (before matching) and the standard file. Appendix D shows the SPSS programs to read the standard files. Appendix E lists the dictionary information from the SPSS merged system file is shown. Appendix F shows the unweighted frequency distribution by year. Appendix G shows the weighted correlation matrix for all the contextual variables and the two dependent variables, OWN and CEB, for each of the census year.

APPENDIX A

FORTANE PROGRAM FOR CREATING STANDARD FILES

APPENDIX B

RESULTS OF THE FORTRAN PROGRAMS

APPENDIX C

VARIABLE LOCATIONS IN THE STANDARD FILE AND CENSUS FILES

THAILAND, 1970 CENSUS.

INPUT LOCATION, as substring of raw data rec	VARIABLE DESCRIPTION	STANDARD FILE (output) LOCATION
	WIFE INFORMATION:	
YH(F(7))	Computed Household Number	1- 7
(1,1)	Region	8- 8
(2,2)	Changwat (Province)	9- 10
(4,2)	Amphoe (District)	11- 12
(6,2)	Municipal/Non-municipal	13- 14
(8,2)	Enumeration District number	15- 16
(10,1)	Split Enumeration District or Block	17- 17
(11,1)	Sanitary District	18- 18
(12,3)	Household number	19- 21
(125,11)	Weighting factor	22- 32
(26,2)	Age	33- 34
(20,2)	Relationship to HH head	35- 36
' '||(64,1)	Marital status	37- 38
'999'	Ethnicity (N.A.)	39- 41
' '||(28,1)	Residence Status	42- 44
' '||(29,1)	Religion	45- 47
' '||(30,2)	Citizenship	48- 50
(41,2)	School grade attended	51- 52
' '||(43,2)	Highest grade completed	53- 55
'99'	Education, other info (N.A.)	56- 57
' '||(40,1)	Literacy	58- 59
'99'	School attendance (N.A.)	60- 61
'99'	Migrant status (N.A.)	62- 63
' '||(32,2)	Place of birth	64- 67
'9999'	Place of birth, other info (N.A.)	68- 71
' '||(37,2)	Previous residence, Changwat	72- 75
' '||(39,1)	Previous residence, Municipality/Non	76- 79
' '||(36,1)	Length of residence	80- 81
'9999'	Residence/Migration, other info (N.A.)	82- 85
'99'	Age at marriage (N.A.)	86- 87
'99'	Duration of marriage, years (N.A.)	88- 89
'99'	Number of times married (N.A.)	90- 91
'99'	Duration of marriage, months (N.A.)	92- 93
'99'	Contraception: Ever use (N.A.)	94- 95
'99'	Contraception: Current use (N.A.)	96- 97
(65,2)	Children ever born, Total	98- 99
'99'	children ever born, male (N.A.)	100-101
'99'	children ever born, female (N.A.)	102-103
(67,2)	Live children, Total	104-105
'99'	live children, male (N.A.)	106-107
'99'	live children, female (N.A.)	108-109
'99'	Number of children who died (N.A.)	110-111
'99'	Date of last birth, month (N.A.)	112-113
'99'	Date of last birth, year (N.A.)	114-115
'99'	Last born is still alive (N.A.)	116-117

'99'	Number of births last year (N.A.)	118-119
' '||(74,3)	Main occupation last year	120-123
' '||(77,2)	Main industry last year	124-127
(69,3)	Occupation last week	128-130
(72,2)	Reason for not working	131-132
(79,1)	Work status, past year's occup.	133-133
(84,3)	Recode of Main occupation	134-136
(87,3)	Recode of last week's occupation	137-139

HUSBAND INFORMATION:

0,1 (f(1))	Computed: Husband match=1, else=0	140-140
(26,2)	Age, husband	141-142
(41,2)	School grade attended, husband	143-144
' '||(43,2)	Highest grade completed, husband	145-147
'99'	Education, other info, husband (N.A.)	148-149
' '||(40,1)	Literacy, husband	150-151
'99'	School attendance, husband (N.A.)	152-153
' '||(74,3)	Main occupation last year, husband	154-157
' '||(77,2)	Main industry last year, husband	158-161
(69,3)	Occupation last week, husband	162-164
(72,2)	Reason for not working, husband	165-166
(79,1)	Work status, past year occup., husband	167-167
(84,3)	Recode of Main occupation, husband	168-170
(87,3)	Last week occupation recode, husband	171-173

OWN (matched) CHILDREN INFORMATION:

OWN(f(1))	Computed: Number of matched own kids	174-174
K1(26,2)	Age of matched own kid No.1	175-175
K2(26,2)	Age of matched own kid No.2	176-176
K3(26,2)	Age of matched own kid No.3	177-177
K4(26,2)	Age of matched own kid No.4	178-178
K5(26,2)	Age of matched own kid No.5	179-179
k6(26,2)	Age of matched own kid no.6	180-180
K7(26,2)	Age of matched own kid No.7	181-181
K8(26,2)	Age of matched own kid No.8	182-182

CHILDREN (in Household) WITH NO MOTHER-MATCH:

OTH(f(2))	Computed: Number of unmatched kids in HH	183-184
K 1(26,2)	Age of unmatched kid in HH, No. 1	185-185
K 2(26,2)	Age of unmatched kid in HH, No. 2	186-186
K 3(26,2)	Age of unmatched kid in HH, No. 3	187-187
K 4(26,2)	Age of unmatched kid in HH, No. 4	188-188
K 5(26,2)	Age of unmatched kid in HH, No. 5	189-189
K 6(26,2)	Age of unmatched kid in HH, No. 6	190-190
K 7(26,2)	Age of unmatched kid in HH, No. 7	191-191
K 8(26,2)	Age of unmatched kid in HH, No. 8	192-192
K 9(26,2)	Age of unmatched kid in HH, No. 9	193-193
K10(26,2)	Age of unmatched kid in HH, No.10	194-194
K11(26,2)	Age of unmatched kid in HH, No.11	195-195
K12(26,2)	Age of unmatched kid in HH, No.12	196-196
K13(26,2)	Age of unmatched kid in HH, No.13	197-197
K14(26,2)	Age of unmatched kid in HH, No.14	198-198
K15(26,2)	Age of unmatched kid in HH, No.15	199-199
K16(26,2)	Age of unmatched kid in HH, No.16	200-200

THAILAND, 1980 CENSUS.

INPUT LOCATION, as substring of raw data rec	VARIABLE DESCRIPTION	STANDARD FILE (output) LOCATION
WIFE INFORMATION:		
YH(F(7))	Computed Household Number	1- 7
' '||(1,1)	Region	8- 9
(2,2)	Changwat (Province)	10- 11
(4,2)	Amphoe (District)	12- 13
(6,2)	Municipality/Non-municipality	14- 15
(8,2)	Enumeration District number	16- 17
(10,2)	Block or village number	18- 19
(12,1)	Sanitary District	20- 20
'9'	Urban-Rural (N.A.)	21- 21
(18,4)	Household size	22- 25
(91,7)	Weighting factor	26- 32
(34,2)	Age	33- 34
(27,2)	Relationship to HH head	35- 36
' '||(40,1)	Marital status	37- 38
'999'	Ethnicity (N.A.)	39- 41
' '||(48,2)	Language spoken in household	42- 44
' '||(52,1)	Religion	45- 47
' '||(36,1)	Residence status	48- 50
(38,2)	Highest grade completed	51- 52
' '||(55,2)	School grade attended	53- 55
'99'	Education, other (N.A.)	56- 57
' '||(57,1)	Literacy	58- 59
'99'	School attendance (N.A.)	60- 61
'99'	Migrant status (N.A.)	62- 63
' '||(53,2)	Place of birth	64- 67
'9999'	Place of birth, other info (N.A.)	68- 71
' '||(60,2)	Previous residence, Changwat	72- 75
' '||(62,2)	Previous residence, Amphoe	76- 79
(58,2)	Length of residence	80- 81
' '||(64,1)	Previous residence, Rural/Urban	82- 83
(65,2)	Reason for moving	84- 85
(67,2)	Age at marriage	86- 87
(89,2)	Duration of marriage, years	88- 89
'99'	Number of times married (N.A.)	90- 91
'99'	Marriage, other (N.A.)	92- 93
' '||(75,1)	Contraception: Ever use	94- 95
' '||(76,1)	Contraception: Current use	96- 97
(85,2)	Children ever born, Total	98- 99
'99'	children ever born, male (N.A.)	100-101
'99'	children ever born, female (N.A.)	102-103
(87,2)	Live children, Total	104-105
(69,2)	children living at home	106-107
(71,2)	children living elsewhere	108-109
(73,2)	Number of children who died	110-111
'99'	Date of last birth, month (N.A.)	112-113
'99'	Date of last birth, year (N.A.)	114-115
'99'	Last born is still alive (N.A.)	116-117
'99'	Number of births last year (N.A.)	118-119
' '||(41,3)	Occupation last year	120-123

' '||(44,3)	Main industry last year	124-127
(47,1)	Work status	128-128
(77,3)	Main occupation last week	129-131
(80,2)	Reason for not working	132-133
'999999'	Other work variables (N.A.)	134-139

HUSBAND INFORMATION:

0,1 (f(1))	Computed: Husband match=1, else=0	140-140
(34,2)	Age, husband	141-142
(38,2)	Highest grade completed, husband	143-144
' '||(55,2)	School grade attended, husband	145-147
'99'	Education, other (N.A.), husband	148-149
' '||(57,1)	Literacy, husband	150-151
'99'	School attendance (N.A.), husband	152-153
' '||(41,3)	Occupation last year, husband	154-157
' '||(44,3)	Main industry last year, husband	158-161
(47,1)	Work status, husband	162-162
(77,3)	Main occupation last week, husband	163-165
(80,2)	Reason for not working, husband	166-167
'999999'	Other work variables (N.A.), husband	168-173

OWN (matched) CHILDREN INFORMATION:

OWN(f(1))	Computed: Number of matched own kids	174-174
K1(34,2)	Age of matched own kid No.1	175-175
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K3(34,2)	Age of matched own kid No.3	177-177
K4(34,2)	Age of matched own kid No.4	178-178
K5(34,2)	Age of matched own kid No.5	179-179
k6(34,2)	Age of matched own kid no.6	180-180
K7(34,2)	Age of matched own kid No.7	181-181
K8(34,2)	Age of matched own kid No.8	182-182

CHILDREN (in Household) WITH NO MOTHER-MATCH:

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K 4(34,2)	Age of unmatched kid in HH, No. 4	188-188
K 5(34,2)	Age of unmatched kid in HH, No. 5	189-189
K 6(34,2)	Age of unmatched kid in HH, No. 6	190-190
K 7(34,2)	Age of unmatched kid in HH, No. 7	191-191
K 8(34,2)	Age of unmatched kid in HH, No. 8	192-192
K 9(34,2)	Age of unmatched kid in HH, No. 9	193-193
K10(34,2)	Age of unmatched kid in HH, No.10	194-194
K11(34,2)	Age of unmatched kid in HH, No.11	195-195
K12(34,2)	Age of unmatched kid in HH, No.12	196-196
K13(34,2)	Age of unmatched kid in HH, No.13	197-197
K14(34,2)	Age of unmatched kid in HH, No.14	198-198
K15(34,2)	Age of unmatched kid in HH, No.15	199-199
K16(34,2)	Age of unmatched kid in HH, No.16	200-200

THAILAND, 1985-86 SPC CENSUS

INPUT LOCATION (raw data)	VARIABLE DESCRIPTION	OUTPUT LOCATION (standard file)
WIFE INFORMATION		
YH(F(7))	Computed Household Number	1 - 7
' '	space	8 - 8
(1,1)	Region	9 - 9
(2,2)	Changwat (Province)	10 - 11
(4,2)	Amphoe (District)	12 - 13
(6,2)	Municipality / Non-Municipality	14 - 15
(8,2)	Enumeration District Number	16 - 17
(10,2)	Enumeration Block	18 - 19
(12,2)	Village	20 - 21
(97,2)	Age	22 - 23
(42,2)	Relationship to HH head	24 - 25
(66,1)	Marital Status	26 - 26
(44,1)	Residence Status	27 - 27
(59,2)	Highest grade completed	28 - 29
(86,1)	Place of birth	30 - 30
(77,1)	Contraception: Ever use	31 - 31
(67,2)	Children Ever Born	32 - 33
(69,2)	Children Still Living	34 - 35
(71,2)	children living at home	36 - 37
(73,2)	children living elsewhere	38 - 39
(75,2)	Number of children who died	40 - 41
(61,2)	Occupation last year	42 - 43
(63,2)	Main industry last year	44 - 45
(65,1)	Work Status	46 - 46
' '	space	47 - 47
HUSBAND INFORMATION		
0,1 f(1)	Computed: Husband match=1 else=0	48 - 48
(97,2)	Age, husband	49 - 50
(59,2)	Highest grade completed, husband	51 - 52
(61,2)	Occupation last year, husband	53 - 54
(63,2)	Main industry	55 - 56
(65,1)	Work Status	57 - 57
' '	space	58 - 59
OWN (matched) CHILDREN INFORMATION		
OWN(f())	Computed: Number of matched own kids	60 - 60
K(47,2)	Age of matched own kid No.1	61 - 61
K2(47,2)	Age of matched own kid No.2	62 - 62
K3(47,2)	Age of matched own kid No.3	63 - 63
K4(47,2)	Age of matched own kid No.4	64 - 64
K5(47,2)	Age of matched own kid No.5	65 - 65

K6(47,2)	Age of matched own kid No.6	66 - 66
K7(47,2)	Age of matched own kid No.7	67 - 67
K6(47,2)	Age of matched own kid No.8	68 - 68

CHILDREN (in Household) WITH NO MOTHER-MATCH

OTH(f(2))	Computed: Number of unmatched kids	70 - 70
K1(47,2)	Age of unmatched kid in HH, No.1	71 - 71
K2(47,2)	Age of unmatched kid in HH, No.2	72 - 72
K3(47,2)	Age of unmatched kid in HH, No.3	73 - 73
K4(47,2)	Age of unmatched kid in HH, No.4	74 - 74
K5(47,2)	Age of unmatched kid in HH, No.5	75 - 75
K6(47,2)	Age of unmatched kid in HH, No.6	76 - 76
K7(47,2)	Age of unmatched kid in HH, No.7	77 - 77
K8(47,2)	Age of unmatched kid in HH, No.8	78 - 78
K9(47,2)	Age of unmatched kid in HH, No.9	79 - 79
K10(47,2)	Age of unmatched kid in HH, No.10	80 - 80
K11(47,2)	Age of unmatched kid in HH, No.11	81 - 81
K12(47,2)	Age of unmatched kid in HH, No.12	82 - 82
K13(47,2)	Age of unmatched kid in HH, No.13	83 - 83
K14(47,2)	Age of unmatched kid in HH, No.14	84 - 84
K15(47,2)	Age of unmatched kid in HH, No.15	85 - 85
K16(47,2)	Age of unmatched kid in HH, No.16	86 - 86

THAILAND, 1990 CENSUS

INPUT LOCATION (raw data)	VARIABLE DESCRIPTION	OUTPUT LOCATION (standard file)
WIFE INFORMATION		
YH(F(7))	Computed Household Number	1 - 7
' '	space	8 - 8
(1,1)	Region	9 - 9
(2,2)	Changwat (Province)	10 - 11
(4,2)	Amphoe (District)	12 - 13
(6,2)	Municipality / Non-Municipality	14 - 15
(8,1)	Urban-Rural (N.A.)	16 - 16
(9,1)	Sanitary District	17 - 17
(10,3)	Enumeration District Number	18 - 20
(13,2)	Block or Village Number	21 - 22
' '	space	23 - 23
(27,4)	Household size	24 - 27
(124,5)	Weighting Factor	28 - 32
(93,2)	Age	33 - 34
(39,2)	Relationship to HH head	35 - 36
' '	space	37 - 37
(51,1)	Marital Status	38 - 38
'999'	Ethnicity (N.A.)	39 - 41
' '	space	42 - 42
(31,1)	Language usually spoken in HH	43 - 43
(32,2)	Other languages spoken in HH	44 - 45
' '	space	46 - 47
(63,1)	Religion	48 - 48
' '||' '	Residence Status	49 - 51
(49,2)	Highest grade completed	52 - 53
' '	space	54 - 54
(75,2)	School grade attended	55 - 56
'99'	Education, other (N.A.)	57 - 58
' '||' '	space	59 - 61
(77,1)	Literacy	61 - 62
'99'	School attendance (N.A.)	63 - 64
'99'	Migrant Status (N.A.)	65 - 66
(64,2)	Place of birth	67 - 68
'9999'	Place of birth, other info (N.A.)	69 - 72
' '	space	73 - 74
(68,2)	Previous residence, Changwat	75 - 76
' '	space	77 - 78
(70,2)	Previous residence, Amphoe	79 - 80
(66,2)	Length of residence	81 - 82
' '	space	83 - 83
(72,1)	Previous residence, Rural / Urban	84 - 84
(73,2)	Reason for moving	85 - 86
N / A	Age at marriage	87 - 88
N / A	Duration of marriage, years	89 - 90
'99'	Number of times married (N.A.)	91 - 92
'99'	Marriage, other (N.A.)	93 - 94

' '||N/A	Contraception: Ever use	95 - 96
' '	space	97 - 97
(84,1)	Contraception: Current use	98 - 98
(95,2)	Children ever born, Total	99 -100
'99'	children ever born, male (N.A.)	101-102
'99'	children ever born, femal (N.A.)	103-104
(97,2)	Live children, Total	105-106
(78,2)	children living at home	107-108
(80,2)	children living elsewhere	109 - 110
(82,2)	Number of children who died	111-112
'99'	Date of last birth, month (N.A.)	113-114
'99'	Date of last birth, year (N.A.)	115-116
'99'	Last born is still alive (N.A.)	117-118
'99'	Number of births last year (N.A.)	119-120
' '	space	121-121
(52,4)	Occupation last year	122-125
' '	space	126-126
(56,4)	Main industry last year	127-130
(60,1)	work status	131-131
(85,4)	Main occupation last week	132-135
(89,2)	Reason for not working	136-137
'999999'	Other work variables (N.A.)	138-143

HUSBAND INFORMATION

0,1 f(1)	Computed: Husband match=1 else=0	144-144
(93,2)	Age, husband	145-146
(49,2)	Highest grade completed, husband	147-148
' '	space	149-149
(75,2)	School grade attended, husband	150-151
'99'	Education, other (N.A.), husband	152-153
' '	space	154-154
(77,1)	Literacy, husband	155-155
'99'	School attendance (N.A.), husband	156-157
' '	space	158-158
(52,4)	Occupation last year, husband	159-162
' '	space	163-163
(56,4)	Main industry	164-167
(60,1)	Work Status	168-168
(85,4)	Main Occupation last week, husband	169-172
(89,2)	Reason for not working, husband	173-174
'999999'	Other work variables (N.A.), husband	175-180

OWN (matched) CHILDREN INFORMATION

OWN(f(1))	Computed: Number of matched own kids	181-181
K1(47,2)	Age of matched own kid No.1	182-182
K2(47,2)	Age of matched own kid No.2	183-183
K3(47,2)	Age of matched own kid No.3	184-184
K4(47,2)	Age of matched own kid No.4	185-185
K5(47,2)	Age of matched own kid No.5	186-186
K6(47,2)	Age of matched own kid No.6	187-187
K7(47,2)	Age of matched own kid No.7	188-188
K8(47,2)	Age of matched own kid No.8	189-189

CHILDREN (in Household) WITH NO MOTHER-MATCH

OTH(f(2))	Computed: Number of unmatched kids	190-191
K1(47,2)	Age of unmatched kid in HH, No.1	192-192
K2(47,2)	Age of unmatched kid in HH, No.2	193-193
K3(47,2)	Age of unmatched kid in HH, No.3	194-194
K4(47,2)	Age of unmatched kid in HH, No.4	195-195
K5(47,2)	Age of unmatched kid in HH, No.5	196-196
K6(47,2)	Age of unmatched kid in HH, No.6	197-197
K7(47,2)	Age of unmatched kid in HH, No.7	198-198
K8(47,2)	Age of unmatched kid in HH, No.8	199-199
K9(47,2)	Age of unmatched kid in HH, No.9	200-200
K10(47,2)	Age of unmatched kid in HH, No.10	201-201
K11(47,2)	Age of unmatched kid in HH, No.11	202-202
K12(47,2)	Age of unmatched kid in HH, No.12	203-203
K13(47,2)	Age of unmatched kid in HH, No.13	204-204
K14(47,2)	Age of unmatched kid in HH, No.14	205-205
K15(47,2)	Age of unmatched kid in HH, No.15	206-206
K16(47,2)	Age of unmatched kid in HH, No.16	207-207

APPENDIX D

SPSS PROGRAMS FOR CREATING THE MERGED DATA FILE

th70std.sps

```
* DATE: DEC 1, 1994
* NAME: YIH-JIN YOUNG
* PURPOSE:  THIS PROGRAM READS THE 1970 MATCHED WOMAN-CHILD DATASET
*           AND OUTPUTS AN SPSS ANALYSIS FILE.  THE PROGRAM RECODES
*           THE WEIGHT VARIABLE, PUTS VALUE LABELS ON VARIABLES,
*           COMPUTES AN AGE AT FIRST MARRIAGE, AND ADDS A VARIABLE
*           FOR YEAR OF CENSUS.
* DATA SOURCE: TH70STD.DAT (SEE REFERENCE GUIDE FOR DETAILS)
* OUTPUT FILE: TH70STD.POR
* TH70STD.DAT IS STORED IN TAPE CH064C, FILE # 2
* TO READ THE DATA FROM TAPE TO DISK, FOLLOW THE FOLLOWING INSTRUCTION
* MOUNT TAPE CH064C
* UNDER MEAD1 prompt, type in tmr -v ch064c
* mead1% tmr -v ch064c
* use tscan for helpful commands
* AFTER THE TAPE IS MOUNTED, TYPE IN THE FOLLOWING THREE COMMAND LINES:
* _mead1% mt -f $RMT rewind
* _mead1% mt -f $RMT_NR fsf 4
* _mead1% dd if=$RMT_NR of=TH70STD.DAT conv=ascii ibs=32600 obs=200
* THE SIZE OF TH70STD.DAT IS 36985200

set blanks=sysmis/undefined=nowarn /mxwarns=6000000
file handle new /name='TH70STD.DAT'
 /mode=image
 /lrecl=200.
DATA LIST FILE=new FIXED
 /REGION 8 PROVINCE 9-10 URBAN 13-14
  AGE 33-34 RELHH 35-36 MARSTAT 37-38
  RELIGION 45-47 HILEVEL 51-52 EDUC 53-55
  POB 64-67 LIVELOC 80-81
  PREVPROV 72-75 PREVMUN 76-79
  CEB 98-99 OCC 128-130 USOCC 120-123
  USIND 124-127 WKSTAT 133
  MATCH 140 HAGE 141-142 HHILEVEL 143-144 HEDUC 145-147
  HOCC 162-164 HUSOCC 154-157 HUSIND 158-161
  HWKSTAT 167
  NKIDS 174 C1 TO C8 175-182 NUKIDS 183-184 UC1 TO UC8 185-192
  WT 22-32 (8)

* DIVIDE INDIVIDUAL WEIGHT BY MEAN WEIGHT.  THIS IS TO DEFLATE THE CASES
* TO THE ORIGINAL UNWEIGHTED SAMPLE SIZE
COMPUTE WEIGHT=WT/44.454

* RECODE PROVINCES BOUNDARIES TO REGIONS
DO IF (PROVINCE EQ 32 OR PROVINCE EQ 17)
COMPUTE REGION=1
ELSE IF (REGION EQ 1)
COMPUTE REGION=2
ELSE IF (REGION EQ 2)
COMPUTE REGION=3
ELSE IF (REGION EQ 3)
COMPUTE REGION=4
ELSE IF (REGION EQ 4)
```

```
COMPUTE REGION=5
END IF

IF (PROVINCE EQ 32 OR PROVINCE EQ 17) URBAN=31

* RECODE RELATIONSHIP TO HOUSEHOLD HEAD
DO IF (RELHH GE 5 AND RELHH LE 7)
COMPUTE RELHH=5
ELSE IF (RELHH EQ 10)
COMPUTE RELHH=6
ELSE IF (RELHH EQ 8)
COMPUTE RELHH=7
ELSE IF (RELHH EQ 11)
COMPUTE RELHH=8
ELSE IF (RELHH EQ 0)
COMPUTE RELHH=9
ELSE IF (RELHH EQ 9)
COMPUTE RELHH=10
END IF

* THIS IS THE FERTILITY MEASURE FOR CHILDREN AGE 0-2.
COMPUTE OWN=0
COUNT OWN=C1 TO C8(2)

* COLLAPSE ALL DESTINATIONS OUTSIDE THAILAND INTO ONE CATEGORY - ABROAD.
RECODE POB PREVPROV (81 THRU 98=81)

RECODE URBAN (01 THRU 29=1) (31 THRU 49=2) (51 THRU 69=3) (71 THRU 79=4)
  (91 THRU 99=5)

SORT CASES BY PROVINCE

COMPUTE YEAR=1970

* 1970 CENSUS CONTAINS NO INFO. ON AGE AT FIRST MARRIAGE.
COMPUTE AGEMAR=0

VALUE LABELS  PROVINCE POB PREVPROV  1 'KRABI'
  2 'KANCHANABURI' 3 'KALASIN'
  4 'KAMPHAENG PHET'
  5 'KHON KAEN'  6 'CHANTHA BURI' 7 'CHCHOENGSAO'  8 'CHON BURI'
  9 'CHAINAT' 10 'CHAIYAPHUM' 11 'CHUMPHON' 12 'CHAING RAI'
 13 'CHIANG MAI' 14 'TRANG' 15 'TRAT' 16 'TAK' 17 'THON BURI'
 18 'NAKHON NAYOK'  19 'NAKHON PATHOM' 20 'NAKHON PHANOM'
 21 'NAKHON RATCHASIMA' 22 'NAKHON SI THAMMARAT' 23 'NAKHON SAWAN'
 24 'NONTHABURI' 25 'NARATHIWAT' 26 'NAN' 27 'BURI RAM' 28 'PATHUM THANI'
 29 'PRACHUAP KHIRI KHAN' 30 'PRACHIN BURI' 31 'PATTANI'
 32 'BANGKOK'  33 'PRA NAKHON SI AYUTT' 34 'PHANGNGA'
 35 'PHATTHALUNG'  36 'PHICIT'  37 'PHITSANULOK' 38 'PETCHABURI'
 39 'PETCHABUN' 40 'PHRAE' 41 'PHUKET' 42 'MAHA SARAKAM'
 43 'MAE HONG SON' 44 'YALA' 45 'ROI ET' 46 'RANONG' 47 'RAYONG'
 48 'RATCHABURI' 49 'LOP BURI' 50 'LAMPANG' 51 'LAM PHUN' 52 'LOEI'
 53 'SI SA KET' 54 'SAKON NAKHON' 55 'SONGKHALA' 56 'SATUN'
 57 'SAMUT PRAKAN' 58 'SAMUT SONGKHRAM' 59 'SAMUT SAKHON'
 60 'SARABURI' 61 'SING BURI'  62 'SUKHOTHAI' 63 'SUPHAN BURI'
 64 'SURAT THANI' 65 'SURIN' 66 'NONG KAI' 67 'ANG THONG'
 68 'UDON THANI' 69 'UTTARADIT' 70 'UTHAI THANI' 71 'UBON RATCHATHANI'
 78 'SAME PROVINCE' 79 'OTHER PROVINCE' 81 'ABROAD' 99 'UNKNOWN'
 /REGION 1 'BANGKOK' 2 'CENTRAL' 3 'NORTH' 4 'NORTHEAST'
 5 'SOUTH'
```

```
 /URBAN 1 'RURAL' 2 'BANGKOK' 3 'CITY' 4 'TOWN' 5 'TAMBON'
 /PREVMUN 1 'RURAL' 2 'URBAN' 9 'UNKNOWN'
 /LIVELOC 0 'LESS THAN 1 YEAR' 1 '1-1.9 YEARS' 2 '2-2.9 YEARS'
 3 '3-3.9 YEARS' 4 '4-4.9 YEARS' 5 '5-9.9 YEARS' 6 '10-14.9 YEARS'
 7 '15-19.9 YEARS' 8 '20 YEARS AND OVER' 9 'UNKNOWN'
 /RELHH 1 'HEAD OF HOUSEHOLD' 2 'SPOUSE' 3 'CHILD'
 4 'SON OR DAU-IN-LAW'  5 'OTHER RELS'
 6 'ADOPTED CHILD' 7 'NON-RELATIVES' 8 'SERVANT' 9 'NON-INMATE'
 10 'INMATE'
 /MARSTAT 1 'NEVER MARRIED' 2 'MARRIED'
  3 'WIDOWED' 4 'DIVORCED' 5 'SEPARATED' 6 'UNKNOWN, PREV MARR'
  7 'MONKS' 9 'UNKNOWN'
 /RELIGION  1 'BUDDHIST' 2 'CONFUCIST' 3 'ISLAM' 4 'CHRISTAN'
 5 'HINDU' 6 'OTHER' 7 'NONE' 9 'UNKNOWN'
 /WKSTAT HWKSTAT 0 'NOT IN LF-NOT STATED'
 1 'EMPLOYER' 2 'SELF-EMPLOYED' 3 'GOVERNMENT EMPLOYEE'
 4 'PRIVATE EMPLOYEE' 5 'FAMILY WORKER' 9 'UNKNOWN'
 /MATCH 0 'NO HUSBAND MATCH' 1 'HUSBAND MATCH'
 /CEB 99 'UNKNOWN'
VARIABLE LABELS  PROVINCE 'PROVINCE'/REGION '1980 REGION'
 /URBAN 'MUNICIPAL-NONMUNICIPAL STATUS'/AGE 'AGE'
 /HAGE 'HUSBANDS AGE'/MARSTAT 'MARITAL STATUS'
 /RELHH 'RELATIONSHIP TO HOUSEHOLD HEAD'
 /RELIGION 'RELIGION'
 /PREVPROV 'PREVIOUS PROVINCE'
 /PREVMUN  'PREVIOUS MUNICIPALITY'
 /HILEVEL 'SCHOOL GRADE ATTENDED'
 /HHILEVEL 'HUSBANDS SCHOOL GRADE ATTENDED'
 /EDUC 'HIGHEST GRADE COMPLETED'
 /HEDUC 'HUSBANDS HIGHEST GRADE COMPLETED'
 /POB 'PLACE OF BIRTH'/LIVELOC 'TIME LIVED IN LOCALITY'
 /OCC 'LAST WEEKS OCCUPATION'/HOCC 'HUSBANDS LAST WEEK OCCUPATION'
 /USOCC 'USUAL OCCUPATION'/HUSOCC 'HUSBANDS USUAL OCCUPATION'
 /USIND 'USUAL INDUSTRY'/HUSIND 'HUSBANDS USUAL INDUSTRY'
 /HWKSTAT 'HUSBANDS WORK STATUS'/CEB 'CHILDREN-EVER-BORN'
 /OWN 'OWN-CHILDREN AGED 0-2'
 /NKIDS 'NUMBER OF MATCHED CHILDREN'  /NUKIDS 'NUMBER OF UNMATCHED CHILDREN'
 /C1 'AGE OF IST MATCHED CHILD'/C2 'AGE OF 2ND MATCHED CHILD'/
 C3 'AGE OF 3RD MATCHED CHILD'/C4 'AGE OF 4TH MATCHED CHILD'/
 C5 'AGE OF 5TH MATCHED CHILD'/C6 'AGE OF 6TH MATCHED CHILD'/
 C7 'AGE OF 7TH MATCHED CHILD'/C8 'AGE OF 8TH MATCHED CHILD'/
 UC1 'AGE OF IST UNMATCHED CHILD'/UC2 'AGE OF 2ND UNMATCHED CHILD'/
 UC3 'AGE OF 3RD UNMATCHED CHILD'/UC4 'AGE OF 4TH UNMATCHED CHILD'/
 UC5 'AGE OF 5TH UNMATCHED CHILD'/UC6 'AGE OF 6TH UNMATCHED CHILD'/
 UC7 'AGE OF 7TH UNMATCHED CHILD'/UC8 'AGE OF 8TH UNMATCHED CHILD'
 /YEAR 'YEAR OF CENSUS'
 /WEIGHT 'INDIVIDUAL WEIGHT'
 /AGEMAR 'AGE AT FIRST MARRIAGE'

* TO SAVE THE DATA FILE INTO A PORTABLE FILE, KEEPING ONLY
* THE NEEDED VARIABLES
EXPORT OUTFILE='TH70STD.POR'/KEEP=REGION PROVINCE URBAN
   AGE HAGE RELHH MARSTAT
   RELIGION HILEVEL HHILEVEL POB EDUC HEDUC PREVPROV
   PREVMUN LIVELOC OCC HOCC USOCC HUSOCC USIND HUSIND
   WKSTAT HWKSTAT CEB MATCH OWN
   NKIDS NUKIDS C1 C2 C3 C4 C5 C6 C7 C8 UC1 UC2 UC3 UC4 UC5 UC6 UC7 UC8
   WEIGHT AGEMAR YEAR
EXECUTE
```

FIN.

th80std.sps

```
* DATE: DEC 1, 1994
* NAME: YIH-JIN YOUNG
* PURPOSE:  THIS PROGRAM READS THE 1980 MATCHED WOMAN-CHILD DATASET
*           AND OUTPUTS AN SPSS ANALYSIS FILE.  THE PROGRAM RECODES
*           THE WEIGHT VARIABLE, PUTS VALUE LABELS ON VARIABLES,
*           COMPUTES AN AGE AT FIRST MARRIAGE, AND ADDS A VARIABLE
*           FOR YEAR OF CENSUS.
* DATA SOURCE: TH80STD.DAT (SEE REFERENCE GUIDE FOR DETAILS)
* OUTPUT FILE: TH80STD.POR

* TH80STD.DAT IS STORED IN TAPE CH064C, FILE # 1
* TO READ THE DATA FROM TAPE TO DISK, FOLLOW THE FOLLOWING INSTRUCTION
* MOUNT TAPE CH064C
* UNDER MEAD prompt, type in tmr -v ch064c
* mead1% tmr -v ch064c
* AFTER THE TAPE IS MOUNTED, TYPE IN THE FOLLOWING THREE COMMAND LINES:
* _mead1% mt -f $RMT rewind
* _mead1% mt -f $RMT_NR fsf 1
* _mead1% dd if=$RMT_NR of=TH80STD.DAT conv=ascii ibs=32600 obs=200
* THE SIZE OF TH80STD.DAT IS 19798000

set blanks=sysmis/undefined=nowarn /mxwarns=6000000
file handle new /name='TH80STD.DAT'
 /mode=image
 /lrecl=200.

DATA LIST FILE=new FIXED
 /REGION 8-9 PROVINCE 10-11 AMPHOE 12-13
  URBAN 14-15
  AGE 33-34 RELHH 35-36 MARSTAT 37-38
  RELIGION 45-47 EDUC 51-52 HILEVEL 53-55
  POB 64-67 LIVELOC 80-81
  PREVPROV 72-75 PREVMUN 82-83
  CEB 98-99 OCC 129-131 USOCC 120-123
  USIND 124-127 WKSTAT 128
  MATCH 140 HAGE 141-142 HEDUC 143-144 HHILEVEL 145-147
  HOCC 163-165 HUSOCC 154-157 HUSIND 158-161
  HWKSTAT 162 AGEMAR 86-87
  NKIDS 174 C1 TO C8 175-182 NUKIDS 183-184 UC1 TO UC8 185-192
  WT 26-32 (4)

COMPUTE WEIGHT=WT/114.090

* RECODE PROVINCIAL BOUNDARIES TO MAKE THEM CONSISTENT WITH 1970
DO IF (PROVINCE EQ 72 AND (AMPHOE EQ 2 OR AMPHOE EQ 4 OR AMPHOE
      EQ 5 OR AMPHOE EQ 6 OR AMPHOE EQ 7 OR AMPHOE EQ 9
      OR AMPHOE EQ 16 OR AMPHOE EQ 19 OR AMPHOE EQ 22))
COMPUTE PROVINCE=17
ELSE IF (PROVINCE EQ 32)
COMPUTE PROVINCE=12
ELSE IF (PROVINCE EQ 43)
COMPUTE PROVINCE=71
ELSE IF (PROVINCE EQ 72)
COMPUTE PROVINCE=32
ELSE IF (PROVINCE EQ 17)
COMPUTE PROVINCE=18
ELSE IF (PROVINCE EQ 18)
COMPUTE PROVINCE=19
```

```
ELSE IF (PROVINCE EQ 23)
COMPUTE PROVINCE=24
ELSE IF (PROVINCE EQ 27)
COMPUTE PROVINCE=28
ELSE IF (PROVINCE EQ 28)
COMPUTE PROVINCE=29
ELSE IF (PROVINCE EQ 29)
COMPUTE PROVINCE=30
ELSE IF (PROVINCE EQ 31)
COMPUTE PROVINCE=33
ELSE IF (PROVINCE EQ 37)
COMPUTE PROVINCE=38
ELSE IF (PROVINCE EQ 22)
COMPUTE PROVINCE=23
ELSE IF (PROVINCE EQ 25)
COMPUTE PROVINCE=26
ELSE IF (PROVINCE EQ 35)
COMPUTE PROVINCE=36
ELSE IF (PROVINCE EQ 36)
COMPUTE PROVINCE=37
ELSE IF (PROVINCE EQ 38)
COMPUTE PROVINCE=39
ELSE IF (PROVINCE EQ 39)
COMPUTE PROVINCE=40
ELSE IF (PROVINCE EQ 42)
COMPUTE PROVINCE=43
ELSE IF (PROVINCE EQ 19)
COMPUTE PROVINCE=20
ELSE IF (PROVINCE EQ 20)
COMPUTE PROVINCE=21
ELSE IF (PROVINCE EQ 26)
COMPUTE PROVINCE=27
ELSE IF (PROVINCE EQ 41)
COMPUTE PROVINCE=42
ELSE IF (PROVINCE EQ 21)
COMPUTE PROVINCE=22
ELSE IF (PROVINCE EQ 24)
COMPUTE PROVINCE=25
ELSE IF (PROVINCE EQ 30)
COMPUTE PROVINCE=31
ELSE IF (PROVINCE EQ 33)
COMPUTE PROVINCE=34
ELSE IF (PROVINCE EQ 34)
COMPUTE PROVINCE=35
ELSE IF (PROVINCE EQ 40)
COMPUTE PROVINCE=41
END IF

DO IF (POB EQ 72 AND (AMPHOE EQ 2 OR AMPHOE EQ 4 OR AMPHOE
      EQ 5 OR AMPHOE EQ 6 OR AMPHOE EQ 7 OR AMPHOE EQ 9
      OR AMPHOE EQ 16 OR AMPHOE EQ 19 OR AMPHOE EQ 22))
COMPUTE POB=17
ELSE IF (POB EQ 32)
COMPUTE POB=12
ELSE IF (POB EQ 43)
COMPUTE POB=71
ELSE IF (POB EQ 72)
COMPUTE POB=32
ELSE IF (POB EQ 17)
COMPUTE POB=18
```

```
ELSE IF (POB EQ 18)
COMPUTE POB=19
ELSE IF (POB EQ 23)
COMPUTE POB=24
ELSE IF (POB EQ 27)
COMPUTE POB=28
ELSE IF (POB EQ 28)
COMPUTE POB=29
ELSE IF (POB EQ 29)
COMPUTE POB=30
ELSE IF (POB EQ 31)
COMPUTE POB=33
ELSE IF (POB EQ 37)
COMPUTE POB=38
ELSE IF (POB EQ 22)
COMPUTE POB=23
ELSE IF (POB EQ 25)
COMPUTE POB=26
ELSE IF (POB EQ 35)
COMPUTE POB=36
ELSE IF (POB EQ 36)
COMPUTE POB=37
ELSE IF (POB EQ 38)
COMPUTE POB=39
ELSE IF (POB EQ 39)
COMPUTE POB=40
ELSE IF (POB EQ 42)
COMPUTE POB=43
ELSE IF (POB EQ 19)
COMPUTE POB=20
ELSE IF (POB EQ 20)
COMPUTE POB=21
ELSE IF (POB EQ 26)
COMPUTE POB=27
ELSE IF (POB EQ 41)
COMPUTE POB=42
ELSE IF (POB EQ 21)
COMPUTE POB=22
ELSE IF (POB EQ 24)
COMPUTE POB=25
ELSE IF (POB EQ 30)
COMPUTE POB=31
ELSE IF (POB EQ 33)
COMPUTE POB=34
ELSE IF (POB EQ 34)
COMPUTE POB=35
ELSE IF (POB EQ 40)
COMPUTE POB=41
END IF

DO IF (PREVPROV EQ 72 AND (AMPHOE EQ 2 OR AMPHOE EQ 4 OR AMPHOE
      EQ 5 OR AMPHOE EQ 6 OR AMPHOE EQ 7 OR AMPHOE EQ 9
      OR AMPHOE EQ 16 OR AMPHOE EQ 19 OR AMPHOE EQ 22))
COMPUTE PREVPROV=17
ELSE IF (PREVPROV EQ 32)
COMPUTE PREVPROV=12
ELSE IF (PREVPROV EQ 43)
COMPUTE PREVPROV=71
ELSE IF (PREVPROV EQ 72)
COMPUTE PREVPROV=32
```

```
ELSE IF (PREVPROV EQ 17)
COMPUTE PREVPROV=18
ELSE IF (PREVPROV EQ 18)
COMPUTE PREVPROV=19
ELSE IF (PREVPROV EQ 23)
COMPUTE PREVPROV=24
ELSE IF (PREVPROV EQ 27)
COMPUTE PREVPROV=28
ELSE IF (PREVPROV EQ 28)
COMPUTE PREVPROV=29
ELSE IF (PREVPROV EQ 29)
COMPUTE PREVPROV=30
ELSE IF (PREVPROV EQ 31)
COMPUTE PREVPROV=33
ELSE IF (PREVPROV EQ 37)
COMPUTE PREVPROV=38
ELSE IF (PREVPROV EQ 22)
COMPUTE PREVPROV=23
ELSE IF (PREVPROV EQ 25)
COMPUTE PREVPROV=26
ELSE IF (PREVPROV EQ 35)
COMPUTE PREVPROV=36
ELSE IF (PREVPROV EQ 36)
COMPUTE PREVPROV=37
ELSE IF (PREVPROV EQ 38)
COMPUTE PREVPROV=39
ELSE IF (PREVPROV EQ 39)
COMPUTE PREVPROV=40
ELSE IF (PREVPROV EQ 42)
COMPUTE PREVPROV=43
ELSE IF (PREVPROV EQ 19)
COMPUTE PREVPROV=20
ELSE IF (PREVPROV EQ 20)
COMPUTE PREVPROV=21
ELSE IF (PREVPROV EQ 26)
COMPUTE PREVPROV=27
ELSE IF (PREVPROV EQ 41)
COMPUTE PREVPROV=42
ELSE IF (PREVPROV EQ 21)
COMPUTE PREVPROV=22
ELSE IF (PREVPROV EQ 24)
COMPUTE PREVPROV=25
ELSE IF (PREVPROV EQ 30)
COMPUTE PREVPROV=31
ELSE IF (PREVPROV EQ 33)
COMPUTE PREVPROV=34
ELSE IF (PREVPROV EQ 34)
COMPUTE PREVPROV=35
ELSE IF (PREVPROV EQ 40)
COMPUTE PREVPROV=41
END IF


* RECODE RELATION TO HOUSEHOLD HEAD
DO IF (RELHH EQ 4)
COMPUTE RELHH=3
ELSE IF (RELHH EQ 5)
COMPUTE RELHH=6
ELSE IF (RELHH EQ 6)
COMPUTE RELHH=4
```

```
ELSE IF (RELHH GE 7 AND RELHH LE 10)
COMPUTE RELHH=5
ELSE IF (RELHH EQ 11)
COMPUTE RELHH=7
ELSE IF (RELHH EQ 12)
COMPUTE RELHH=8
ELSE IF (RELHH EQ 13)
COMPUTE RELHH=10
ELSE IF (RELHH EQ 14)
COMPUTE RELHH=9
END IF

RECODE HILEVEL HHILEVEL (1=0) (91=99)/EDUC HEDUC (1=0)

RECODE URBAN (01 THRU 29=1) (31 THRU 49=2) (51 THRU 69=3) (71 THRU 79=4)
  (91 THRU 99=5)

DO IF (WKSTAT EQ 3 OR WKSTAT EQ 4)
COMPUTE WKSTAT=3
ELSE IF (WKSTAT EQ 5)
COMPUTE WKSTAT=4
ELSE IF (WKSTAT EQ 6)
COMPUTE WKSTAT=5
END IF

DO IF (HWKSTAT EQ 3 OR HWKSTAT EQ 4)
COMPUTE HWKSTAT=3
ELSE IF (HWKSTAT EQ 5)
COMPUTE HWKSTAT=4
ELSE IF (HWKSTAT EQ 6)
COMPUTE HWKSTAT=5
END IF

RECODE POB PREVPROV (81 THRU 98=81)
DO IF (LIVELOC GE 5 AND LIVELOC LE 9)
COMPUTE LIVELOC=5
ELSE IF (LIVELOC GE 10 AND LIVELOC LE 14)
COMPUTE LIVELOC=6
ELSE IF (LIVELOC GE 15 AND LIVELOC LE 19)
COMPUTE LIVELOC=7
ELSE IF (LIVELOC GE 20 AND LIVELOC LE 98)
COMPUTE LIVELOC=8
ELSE IF (LIVELOC EQ 99)
COMPUTE LIVELOC=9
END IF

*FERTILITY MEASURE FOR CHILDREN AGE 0-2
COMPUTE OWN=0
COUNT OWN=C1 TO C8(2)

SORT CASES BY PROVINCE

COMPUTE YEAR=1980

VALUE LABELS  PROVINCE 1 'KRABI'
  2 'KANCHANABURI' 3 'KALASIN'
  4 'KAMPHAENG PHET'
  5 'KHON KAEN'  6 'CHANTHA BURI' 7 'CHCHOENGSAO'  8 'CHON BURI'
  9 'CHAINAT' 10 'CHAIYAPHUM' 11 'CHUMPHON' 12 'CHAING RAI'
 13 'CHIANG MAI' 14 'TRANG' 15 'TRAT' 16 'TAK' 17 'THON BURI'
```

```
 18 'NAKHON NAYOK'  19 'NAKHON PATHOM' 20 'NAKHON PHANOM'
 21 'NAKHON RATCHASIMA' 22 'NAKHON SI THAMMARAT' 23 'NAKHON SAWAN'
 24 'NONTHABURI' 25 'NARATHIWAT' 26 'NAN' 27 'BURI RAM' 28 'PATHUM THANI'
 29 'PRACHUAP KHIRI KHAN' 30 'PRACHIN BURI' 31 'PATTANI'
 32 'BANGKOK'  33 'PRA NAKHON SI AYUTT' 34 'PHANGNGA'
 35 'PHATTHALUNG'  36 'PHICIT'  37 'PHITSANULOK' 38 'PETCHABURI'
 39 'PETCHABUN' 40 'PHRAE' 41 'PHUKET' 42 'MAHA SARAKAM'
 43 'MAE HONG SON' 44 'YALA' 45 'ROI ET' 46 'RANONG' 47 'RAYONG'
 48 'RATCHABURI' 49 'LOP BURI' 50 'LAMPANG' 51 'LAM PHUN' 52 'LOEI'
 53 'SI SA KET' 54 'SAKON NAKHON' 55 'SONGKHALA' 56 'SATUN'
 57 'SAMUT PRAKAN' 58 'SAMUT SONGKHRAM' 59 'SAMUT SAKHON'
 60 'SARABURI' 61 'SING BURI'  62 'SUKHOTHAI' 63 'SUPHAN BURI'
 64 'SURAT THANI' 65 'SURIN' 66 'NONG KAI' 67 'ANG THONG'
 68 'UDON THANI' 69 'UTTARADIT' 70 'UTHAI THANI' 71 'UBON RATCHATHANI'
 79 'OTHER PROVINCE' 81 'ABROAD' 99 'UNKNOWN'
 /REGION 1 'BANGKOK' 2 'CENTRAL' 3 'NORTH' 4 'NORTHEAST'
 5 'SOUTH'
 /URBAN 1 'RURAL' 2 'BANGKOK' 3 'CITY' 4 'TOWN' 5 'TAMBON'
 /PREVMUN 1 'RURAL' 2 'URBAN' 9 'UNKNOWN'
 /LIVELOC 0 'LESS THAN 1 YEAR' 1 '1-1.9 YEARS' 2 '2-2.9 YEARS'
 3 '3-3.9 YEARS' 4 '4-4.9 YEARS' 5 '5-9.9 YEARS' 6 '10-14.9 YEARS'
 7 '15-19.9 YEARS' 8 '20 YEARS AND OVER' 9 'UNKNOWN'
 /RELHH 1 'HEAD OF HOUSEHOLD' 2 'SPOUSE' 3 'CHILD'
 4 'SON OR DAU-IN-LAW'  5 'OTHER RELS'
 6 'ADOPTED CHILD' 7 'NON-RELATIVES' 8 'SERVANT' 9 'NON-INMATE'
 10 'INMATE'
 /MARSTAT 1 'NEVER MARRIED' 2 'MARRIED'
  3 'WIDOWED' 4 'DIVORCED' 5 'SEPARATED' 6 'UNKNOWN, PREV MARR'
  7 'MONKS' 9 'UNKNOWN'
 /RELIGION  1 'BUDDHIST' 2 'CONFUCIST' 3 'ISLAM' 4 'CHRISTAN'
 5 'HINDU' 6 'OTHER' 7 'NONE' 9 'UNKNOWN'
 /WKSTAT HWKSTAT 0 'NOT IN LF-NOT STATED'
 1 'EMPLOYER' 2 'SELF-EMPLOYED' 3 'GOVERNMENT EMPLOYEE'
 4 'PRIVATE EMPLOYEE' 5 'FAMILY WORKER' 9 'UNKNOWN'
 /MATCH 0 'NO HUSBAND MATCH' 1 'HUSBAND MATCH'
 /AGEMAR 98 '98 AND OVER' 99 'UNKNOWN'
VARIABLE LABELS  PROVINCE 'PROVINCE'/REGION '1980 REGION'
 /URBAN 'MUNICIPAL-NONMUNICIPAL STATUS'/AGE 'AGE'
 /HAGE 'HUSBANDS AGE'/MARSTAT 'MARITAL STATUS'
 /RELHH 'RELATIONSHIP TO HOUSEHOLD HEAD'
 /RELIGION 'RELIGION'
 /PREVPROV 'PREVIOUS PROVINCE'
 /PREVMUN  'PREVIOUS MUNICIPALITY'
 /HILEVEL 'SCHOOL GRADE ATTENDED'
 /HHILEVEL 'HUSBANDS SCHOOL GRADE ATTENDED'
 /EDUC 'HIGHEST GRADE COMPLETED'
 /HEDUC 'HUSBANDS HIGHEST GRADE COMPLETED'
 /POB 'PLACE OF BIRTH'/LIVELOC 'TIME LIVED IN LOCALITY'
 /OCC 'LAST WEEKS OCCUPATION'/HOCC 'HUSBANDS LAST WEEK OCCUPATION'
 /USOCC 'USUAL OCCUPATION'/HUSOCC 'HUSBANDS USUAL OCCUPATION'
 /USIND 'USUAL INDUSTRY'/HUSIND 'HUSBANDS USUAL INDUSTRY'
 /HWKSTAT 'HUSBANDS WORK STATUS'/CEB 'CHILDREN-EVER-BORN'
 /OWN 'OWN-CHILDREN AGED 0-2'
 /NKIDS 'NUMBER OF MATCHED CHILDREN'
 /NUKIDS 'NUMBER OF UNMATCHED CHILDREN'
 /C1 'AGE OF IST MATCHED CHILD'/C2 'AGE OF 2ND MATCHED CHILD'/
 C3 'AGE OF 3RD MATCHED CHILD'/C4 'AGE OF 4TH MATCHED CHILD'/
 C5 'AGE OF 5TH MATCHED CHILD'/C6 'AGE OF 6TH MATCHED CHILD'/
 C7 'AGE OF 7TH MATCHED CHILD'/C8 'AGE OF 8TH MATCHED CHILD'/
 UC1 'AGE OF IST UNMATCHED CHILD'/UC2 'AGE OF 2ND UNMATCHED CHILD'/
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 UC3 'AGE OF 3RD UNMATCHED CHILD'/UC4 'AGE OF 4TH UNMATCHED CHILD'/
 UC5 'AGE OF 5TH UNMATCHED CHILD'/UC6 'AGE OF 6TH UNMATCHED CHILD'/
 UC7 'AGE OF 7TH UNMATCHED CHILD'/UC8 'AGE OF 8TH UNMATCHED CHILD'
 /YEAR 'YEAR OF CENSUS'
 /WEIGHT 'INDIVIDUAL WEIGHT'
 /AGEMAR 'AGE AT FIRST MARRIAGE'

* TO SAVE THE DATA FILE INTO A PORTABLE FILE, KEEPING ONLY
* THE NEEDED VARIABLES

EXPORT OUTFILE='TH80STD.POR'/KEEP=REGION PROVINCE URBAN
   AGE HAGE RELHH MARSTAT
   RELIGION HILEVEL HHILEVEL POB EDUC HEDUC PREVPROV
   PREVMUN LIVELOC OCC HOCC USOCC HUSOCC USIND HUSIND
   WKSTAT HWKSTAT CEB MATCH OWN
   NKIDS NUKIDS C1 C2 C3 C4 C5 C6 C7 C8 UC1 UC2 UC3 UC4 UC5 UC6 UC7 UC8
   WEIGHT AGEMAR YEAR
EXECUTE

FIN.
```

th85std.sps

```
* DATE: DEC 1, 1994
* NAME: YIH-JIN YOUNG
* PURPOSE:  THIS PROGRAM READS THE 1985 MATCHED WOMAN-CHILD DATASET (SPC)
*           AND OUTPUTS AN SPSS ANALYSIS FILE.  THE PROGRAM RECODES
*           THE PROVINCE VARIABLE, PUTS VALUE LABELS ON VARIABLES,
*           COMPUTES AN AGE AT FIRST MARRIAGE AND WEIGHT VARIABLE AND
*           ADDS A VARIABLE FOR YEAR OF CENSUS.
* DATA SOURCE: TH85STD.DAT (SEE REFERENCE GUIDE FOR DETAILS)
* OUTPUT FILE: TH85STD.POR

* FOR MORE INFORMATION ABOUT THE STANDARD FILE, SEE REFERENCE GUIDE
* TH85STD.DAT IS STORED IN TAPE CH052C, FILE # 5
* TO READ THE DATA FROM TAPE TO DISK, FOLLOW THE FOLLOWING INSTRUCTION
* MOUNT TAPE CH052C
* UNDER MEAD prompt, type in tmr -v ch052c
* mead1% tmr -v ch052c
* AFTER THE TAPE IS MOUNTED, TYPE IN THE FOLLOWING THREE COMMAND LINES:
* _mead1% mt -f $RMT rewind
* _mead1% mt -f $RMT_NR fsf 13
* _mead1% dd if=$RMT_NR of=TH85STD.DAT conv=ascii ibs=32680 obs=86
* THE SIZE OF THE FILE, TH85STD.DAT IS 8356620

set blanks=sysmis/undefined=nowarn /mxwarns=6000000
file handle new /name='TH85STD.DAT'
 /mode=image
 /lrecl=86.
DATA LIST FILE=new FIXED
 /REGION 9 PROVINCE 10-11 AMPHOE 12-13 URBAN 14-15
  AGE 22-23 RELHH 24-25 MARSTAT 26 LIVELOC 27 EDUC 28-29
  CEB 32-33 USOCC 42-43 USIND 44-45 WKSTAT 46 MATCH 48
  HAGE 49-50 HEDUC 51-52 HUSOCC 53-54 HUSIND 55-56
  HWKSTAT 57
  NKIDS 60 CC1 61 (A) CC2 62 (A) CC3 63 (A) CC4 64 (A) CC5 65 (A)
  CC6 66 (A) CC7 67 (A) CC8 68 (A) NUKIDS 70 KK1 71 (A) KK2 72 (A)
  KK3 73 (A) KK4 74 (A) KK5 75 (A) KK6 76 (A)
  KK7 77 (A) KK8 78 (A) KK9 79 (A) KK10 80 (A) KK11 81 (A) KK12 82 (A)
  KK13 83 (A) KK14 84 (A) KK15 85 (A) KK16 86 (A)

RECODE REGION (3=4)(4=3)

RECODE PROVINCE (72=32)(18=19)(23=24)(28=29)(29=30)
 (19=20)(20=21)(26=27)(41=42)(31=33)(22=23)(25=26)
 (32=12)(35=36)(36=37)(38=39)(39=40)(21=22)(24=25)
 (30=31)(34=35)

RECODE URBAN (01 THRU 29=1) (31 THRU 49=2) (51 THRU 69=3) (71 THRU 90=4)
  (91 THRU 99=5)

RECODE RELHH (4=6)(5=4)(6 THRU 9=5)(10=7)(11=8)(12=9)

RECODE MARSTAT (5=6)(6=7)

RECODE WKSTAT HWKSTAT (1=4)(2=3)(3=1)(4=2)(6=3)

IF (USOCC LT 98 AND USIND EQ 99) USIND EQ 90
IF (USOCC EQ 99) USIND EQ 99
IF (HUSOCC LT 98 AND HUSIND EQ 99) HUSIND EQ 90
IF (HUSOCC EQ 99) HUSIND EQ 99
```

```
RECODE CC1 (CONVERT) ('T' = 10) INTO C1
RECODE CC2 (CONVERT) ('T' = 10) INTO C2
RECODE CC3 (CONVERT) ('T' = 10) INTO C3
RECODE CC4 (CONVERT) ('T' = 10) INTO C4
RECODE CC5 (CONVERT) ('T' = 10) INTO C5
RECODE CC6 (CONVERT) ('T' = 10) INTO C6
RECODE CC7 (CONVERT) ('T' = 10) INTO C7
RECODE CC8 (CONVERT) ('T' = 10) INTO C8
RECODE KK1 (CONVERT) ('T' = 10) INTO UC1
RECODE KK2 (CONVERT) ('T' = 10) INTO UC2
RECODE KK3 (CONVERT) ('T' = 10) INTO UC3
RECODE KK4 (CONVERT) ('T' = 10) INTO UC4
RECODE KK5 (CONVERT) ('T' = 10) INTO UC5
RECODE KK6 (CONVERT) ('T' = 10) INTO UC6
RECODE KK7 (CONVERT) ('T' = 10) INTO UC7
RECODE KK8 (CONVERT) ('T' = 10) INTO UC8
RECODE KK9 (CONVERT) ('T' = 10) INTO UC9
RECODE KK10 (CONVERT) ('T' = 10) INTO UC10
RECODE KK11 (CONVERT) ('T' = 10) INTO UC11
RECODE KK12 (CONVERT) ('T' = 10) INTO UC12
RECODE KK13 (CONVERT) ('T' = 10) INTO UC13
RECODE KK14 (CONVERT) ('T' = 10) INTO UC14
RECODE KK15 (CONVERT) ('T' = 10) INTO UC15
RECODE KK16 (CONVERT) ('T' = 10) INTO UC16

SELECT IF (REGION GE 1) AND (REGION LE 5)
* THIS 'SELECT IF' COMMAND ELIMINATES ONE CASE WITH ALL MISSING VALUES.

SORT CASES BY PROVINCE

* THIS IS THE OLD FERTILITY MEASURE FOR CHILDREN AGE 0-2 *
COMPUTE OWN=0
COUNT OWN=C1 TO C8(2)

COMPUTE YEAR=1985.

* THE SPC DATA FILE DO NOT CONTAIN THE FOLLOWING VARIABLES:
* AGE AT FIRST MARRIAGE, RELIGION, HILEVEL PLACE OF BIRTH, PREVIOUS
* PROVINCE, PREVIOUS RURAL-URBAN RESIDENCE, HUSBAND AND WIFE'S LASK
* WEEK OCCUPATION, WEIGHT

* THE NEXT FEW COMMANDS CREATE THOSE VARIABLES AND GIVE THEM A VALUE
* OF ZERO, EXCEPT FOR WEIGHT.
COMPUTE WEIGHT = 1.
COMPUTE AGEMAR=0.
COMPUTE RELIGION=0.
COMPUTE HILEVEL=0.
COMPUTE HHILEVEL=0.
COMPUTE POB=0.
COMPUTE PREVPROV=0.
COMPUTE PREVMUN=0.
COMPUTE HOCC=0.
COMPUTE OCC=0.

VALUE LABELS  PROVINCE
  1 'KRABI'
  2 'KANCHANABURI' 3 'KALASIN'
  4 'KAMPHAENG PHET'
  5 'KHON KAEN'  6 'CHANTHA BURI' 7 'CHCHOENGSAO'  8 'CHON BURI'
```

```
  9 'CHAINAT' 10 'CHAIYAPHUM' 11 'CHUMPHON' 12 'CHAING RAI'
 13 'CHIANG MAI' 14 'TRANG' 15 'TRAT' 16 'TAK' 17 'THON BURI'
 18 'NAKHON NAYOK'  19 'NAKHON PATHOM' 20 'NAKHON PHANOM'
 21 'NAKHON RATCHASIMA' 22 'NAKHON SI THAMMARAT' 23 'NAKHON SAWAN'
 24 'NONTHABURI' 25 'NARATHIWAT' 26 'NAN' 27 'BURI RAM'
 28 'PATHUM THANI'
 29 'PRACHUAP KHIRI KHAN' 30 'PRACHIN BURI' 31 'PATTANI'
 32 'BANGKOK'  33 'PRA NAKHON SI AYUTT' 34 'PHANGNGA'
 35 'PHATTHALUNG'  36 'PHICIT'  37 'PHITSANULOK' 38 'PETCHABURI'
 39 'PETCHABUN' 40 'PHRAE' 41 'PHUKET' 42 'MAHA SARAKAM'
 43 'MAE HONG SON' 44 'YALA' 45 'ROI ET' 46 'RANONG' 47 'RAYONG'
 48 'RATCHABURI' 49 'LOP BURI' 50 'LAMPANG' 51 'LAM PHUN' 52 'LOEI'
 53 'SI SA KET' 54 'SAKON NAKHON' 55 'SONGKHALA' 56 'SATUN'
 57 'SAMUT PRAKAN' 58 'SAMUT SONGKHRAM' 59 'SAMUT SAKHON'
 60 'SARABURI' 61 'SING BURI'  62 'SUKHOTHAI' 63 'SUPHAN BURI'
 64 'SURAT THANI' 65 'SURIN' 66 'NONG KAI' 67 'ANG THONG'
 68 'UDON THANI' 69 'UTTARADIT' 70 'UTHAI THANI' 71 'UBON RATCHATHANI'
 79 'OTHER PROVINCE' 81 'ABROAD' 99 'UNKNOWN'
 /REGION 1 'BANGKOK' 2 'CENTRAL' 3 'NORTH' 4 'NORTHEAST'
 5 'SOUTH'
  /URBAN 1 'RURAL' 2 'BANGKOK' 3 'CITY' 4 'TOWN' 5 'TAMBON'
  /RELHH 1 'HEAD OF HOUSEHOLD' 2 'SPOUSE' 3 'CHILD'
 4 'SON OR DAU-IN-LAW'  5 'OTHER RELS'
 6 'ADOPTED CHILD' 7 'NON-RELATIVES' 8 'SERVANT' 9 'NON-INMATE'
 10 'INMATE'
 /MARSTAT 1 'NEVER MARRIED' 2 'MARRIED'
  3 'WIDOWED' 4 'DIVORCED' 5 'SEPARATED' 6 'UNKNOWN, PREV MARR'
  7 'MONKS' 9 'UNKNOWN'
 /RELIGION  1 'BUDDHIST' 2 'CONFUCIST' 3 'ISLAM' 4 'CHRISTAN'
 5 'HINDU' 6 'OTHER' 7 'NONE' 9 'UNKNOWN'
 /WKSTAT HWKSTAT 0 'NOT IN LF-NOT STATED'
 1 'EMPLOYER' 2 'SELF-EMPLOYED' 3 'GOVERNMENT EMPLOYEE'
 4 'PRIVATE EMPLOYEE' 5 'FAMILY WORKER' 9 'UNKNOWN'
 /MATCH 0 'NO HUSBAND MATCH' 1 'HUSBAND MATCH'
VARIABLE LABELS  PROVINCE 'PROVINCE'/REGION '1980 REGION'
 /URBAN 'MUNICIPAL-NONMUNICIPAL STATUS'/AGE 'AGE'
 /HAGE 'HUSBANDS AGE'/MARSTAT 'MARITAL STATUS'
 /RELHH 'RELATIONSHIP TO HOUSEHOLD HEAD'
 /RELIGION 'RELIGION'
 /PREVPROV 'PREVIOUS PROVINCE'
 /PREVMUN  'PREVIOUS MUNICIPALITY'
 /HILEVEL 'SCHOOL GRADE ATTENDED'
 /HHILEVEL 'HUSBANDS SCHOOL GRADE ATTENDED'
 /EDUC 'HIGHEST GRADE COMPLETED'
 /HEDUC 'HUSBANDS HIGHEST GRADE COMPLETED'
 /POB 'PLACE OF BIRTH'/LIVELOC 'TIME LIVED IN LOCALITY'
 /OCC 'LAST WEEKS OCCUPATION'/HOCC 'HUSBANDS LAST WEEK OCCUPATION'
 /USOCC 'USUAL OCCUPATION'/HUSOCC 'HUSBANDS USUAL OCCUPATION'
 /USIND 'USUAL INDUSTRY'/HUSIND 'HUSBANDS USUAL INDUSTRY'
 /HWKSTAT 'HUSBANDS WORK STATUS'/CEB 'CHILDREN-EVER-BORN'
 /OWN 'OWN-CHILDREN AGED 0-2'
 /NKIDS 'NUMBER OF MATCHED CHILDREN'
 /NUKIDS 'NUMBER OF UNMATCHED CHILDREN'
 /C1 'AGE OF IST MATCHED CHILD'/C2 'AGE OF 2ND MATCHED CHILD'/
 C3 'AGE OF 3RD MATCHED CHILD'/C4 'AGE OF 4TH MATCHED CHILD'/
 C5 'AGE OF 5TH MATCHED CHILD'/C6 'AGE OF 6TH MATCHED CHILD'/
 C7 'AGE OF 7TH MATCHED CHILD'/C8 'AGE OF 8TH MATCHED CHILD'/
 UC1 'AGE OF IST UNMATCHED CHILD'/UC2 'AGE OF 2ND UNMATCHED CHILD'/
 UC3 'AGE OF 3RD UNMATCHED CHILD'/UC4 'AGE OF 4TH UNMATCHED CHILD'/
 UC5 'AGE OF 5TH UNMATCHED CHILD'/UC6 'AGE OF 6TH UNMATCHED CHILD'/
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```
 UC7 'AGE OF 7TH UNMATCHED CHILD'/UC8 'AGE OF 8TH UNMATCHED CHILD'
 /YEAR 'YEAR OF CENSUS'
 /WEIGHT 'INDIVIDUAL WEIGHT'
 /AGEMAR 'AGE AT FIRST MARRIAGE'

* TO SAVE THE DATA FILE INTO A PORTABLE FILE, KEEPING ONLY
* THE NEEDED VARIABLES

EXPORT OUTFILE='TH85STD.POR'
 /KEEP= REGION PROVINCE URBAN
   AGE HAGE RELHH MARSTAT
   RELIGION HILEVEL HHILEVEL POB EDUC HEDUC PREVPROV
   PREVMUN LIVELOC OCC HOCC USOCC HUSOCC USIND HUSIND
   WKSTAT HWKSTAT CEB MATCH OWN
   NKIDS NUKIDS C1 C2 C3 C4 C5 C6 C7 C8 UC1 UC2 UC3 UC4 UC5 UC6 UC7 UC8
   WEIGHT AGEMAR YEAR
EXECUTE

FIN.
```

th90std.sps

```
* DATE: DEC 1, 1994
* NAME: YIH-JIN YOUNG
* PURPOSE:  THIS PROGRAM READS THE 1990 MATCHED WOMAN-CHILD DATASET
*           AND OUTPUTS AN SPSS ANALYSIS FILE.  THE PROGRAM RECODES
*           THE WEIGHT VARIABLE, PUTS VALUE LABELS ON VARIABLES,
*           COMPUTES AN AGE AT FIRST MARRIAGE, AND ADDS A VARIABLE
*           FOR YEAR OF CENSUS.
* DATA SOURCE: TH90STD.DAT (SEE REFERENCE GUIDE FOR DETAILS)
* OUTPUT FILE: TH90STD.POR
* FOR MORE INFORMATION ABOUT THE STANDARD FILE, SEE REFERENCE GUIDE
* TH90STD.DAT IS STORED IN TAPE CH051C, FILE # 3
* TO READ THE DATA FROM TAPE TO DISK, FOLLOW THE FOLLOWING INSTRUCTION
* MOUNT TAPE CH051C
* UNDER MEAD prompt, type in tmr -v ch051c
* mead1% tmr -v ch051c
* AFTER THE TAPE IS MOUNTED, TYPE IN THE FOLLOWING THREE COMMAND LINES:
* _mead1% mt -f $RMT rewind
* _mead1% mt -f $RMT_NR fsf 7
* _mead1% dd if=$RMT_NR of=TH90STD.DAT conv=ascii ibs=32706 obs=207
* THE SIZE OF TH90STD.DAT IS 28749402

*edit
set blanks=sysmis/undefined=nowarn /mxwarns=6000000
file handle new /name='TH90STD.DAT'
 /mode=image
 /lrecl=207.

DATA LIST FILE=new FIXED
  /REGION 9 PROVINCE 10-11 AMPHOE 12-13 URBAN 16 WT 28-32 (2)
  AGE 33-34 RELHH 35-36 MARSTAT 38
  RELIGION 48 EDUC 52-53 HILEVEL 55-56 POB 67-68
  PREVPROV 75-76  LIVELOC 81-82 PREVMUN 84
  CEB 99-100 KIDTOT 105-106 KIDHH 107-108
  KIDOTH 109-110 KIDDIED 111-112 USOCCLY 122-125 (A)
  USIND 127-130
  WKSTAT 131 OCCLW 132-135 (A)
  MATCH 144 HAGE 145-146 HEDUC 147-148 HHILEVEL 149-151
  HUSOCCLY 159-162 (A) HUSIND 163-167 HWKSTAT 168 HOCCLW 169-172 (A)
  NKIDS 181 C1 182 C2 183 C3 184 C4 185 C5 186 C6 187 C7 188
  C8 189 NUKIDS 190-191 UC1 192 UC2 193 UC3 194 UC4 195
  UC5 196 UC6 197 UC7 198 UC8 199

COMPUTE WEIGHT= WT/112.416
* 112.416 is the mean of the weight variable p50
* from the 1990 clean data, N=485096, sd= 30.075.

* RECODE REGION *
RECODE REGION (3=4)(4=5)(5=3).

RECODE URBAN PREVMUN (1=2)(2=1)(4=1)

RECODE RELHH (4=3)(5=6)(6=4)(7 THRU 11=5)(12=8)(13=9)

RECODE RELIGION (2=3)(3=4)(4=5)(5=2)

RECODE POB PREVPROV (80 THRU 98=81)

RECODE LIVELOC (LOW THRU .999=0)(1 THRU 1.99=1)
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 (2 THRU 2.99=2)(3 THRU 3.99=3)(4 THRU 4.99=4)
 (5 THRU 9.9=5)(10 THRU 14.9=6)(15 THRU 19.9=7)
 (20 THRU 96=8)(99=9)

RECODE WKSTAT HWKSTAT (4 THRU 5=3)(6=4)(7=5)


RECODE PROVINCE POB PREVPROV (1=32)(3=2)(7=6)(8=7)(9=8)(10=9)
 (16=15)(32=33)(49=47)(50=48)(51=49)(59=57)(60=58)(61=59)
 (62=60)(63=61)(65=63)(69=67)(5=4)(13=12)(14=13)(17=16)
 (33=12)(44=43)(52=50)(53=51)(64=62)(71=69)(72=70)(4=3)
 (6=5)(11=10)(43=20)(45=71)(47=45)(54=52)(55=53)(56=54)
 (67=65)(68=66)(70=68)(73=71)(2=1)(12=11)(15=14)(46=44)
 (48=46)(57=55)(58=56)(66=64).


* CREATE THON BURI PROVINCE *
DO IF (PROVINCE=32 AND AMPHOE EQ 3 OR PROVINCE=32 AND AMPHOE EQ 8 OR
       PROVINCE=32 AND AMPHOE EQ 9 OR PROVINCE=32 AND AMPHOE EQ 10 OR
       PROVINCE=32 AND AMPHOE EQ 11 OR PROVINCE=32 AND AMPHOE EQ 13 OR
       PROVINCE=32 AND AMPHOE EQ 25 OR PROVINCE=32 AND AMPHOE EQ 29 OR
       PROVINCE=32 AND AMPHOE EQ 34)
COMPUTE PROVINCE=17
END IF.

DO IF (POB=32 AND AMPHOE EQ 3 OR POB=32 AND AMPHOE EQ 8 OR
       POB=32 AND AMPHOE EQ 9 OR POB=32 AND AMPHOE EQ 10 OR
       POB=32 AND AMPHOE EQ 11 OR POB=32 AND AMPHOE EQ 13 OR
       POB=32 AND AMPHOE EQ 25 OR POB=32 AND AMPHOE EQ 29 OR
       POB=32 AND AMPHOE EQ 34)
COMPUTE POB=17
END IF.

DO IF (PREVPROV=32 AND AMPHOE EQ 3 OR PREVPROV=32 AND AMPHOE EQ 8 OR
       PREVPROV=32 AND AMPHOE EQ 9 OR PREVPROV=32 AND AMPHOE EQ 10 OR
       PREVPROV=32 AND AMPHOE EQ 11 OR PREVPROV=32 AND AMPHOE EQ 13 OR
       PREVPROV=32 AND AMPHOE EQ 25 OR PREVPROV=32 AND AMPHOE EQ 29 OR
       PREVPROV=32 AND AMPHOE EQ 34)
COMPUTE PREVPROV=17
END IF.


* RECODE OCCUPATIONAL VARIABLES FROM STRING TO NUMERICAL
recode USOCCLY OCCLW  HUSOCCLY HOCCLW
  ( '0X10' = 1) ( '0X11' =1)('0X12' = 1 )( '0X13' = 1) ( '0X14' =    1 )
  ( '0X15' = 1 ) ('0X16' =1)('0X17' = 1 )('0X19' =  1 )( '0X91' =    1 )
  ( '0X92' = 1 )( '0X93' =1)('0X94' = 1 )( '0X95'=  1 )( '0X96' =    1 )
 ( '0X97' = 1 )('0X98' = 1 )( '0X99' = 1)('0Y10' =  1 )( '0Y11' =    1 )
 ( '0Y12' = 1 )('0Y19' = 1 )('0Y20' = 1 )('0Y21' =  1 )('0Y29' =  1 )
 ( '0Y30' = 1 )('0Y31' = 1 )('0Y39' = 1 )('0Y40' =  1 )('0Y41' =  1 )
 ( '0Y42' = 1 )('0Y43' = 1 )('0Y91' = 1 )('0Y92' =  1 )('0Y93' =  1 )
 ( '0Y95' = 1 )('0Y96' = 1 )('0Y97' = 1 )('0Y98' =  1 )('0Y99' =  1 )
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  ( '0020' = 0020 )( '0021' = 0021 )( '0022' = 0022 )( '0023' = 0023 )
  ( '0024' = 0024 )( '0025' = 0025 )( '0026' = 0026 )( '0027' = 0027 )
  ( '0028' = 0028 )( '0029' = 0029 )( '0030' = 0030 )( '0031' = 0031 )
  ( '0032' = 0032 )( '0033' = 0033 )( '0034' = 0034 )( '0039' = 0039 )
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( '8430' = 8430 )( '8431' = 8431 )( '8491' = 8491 )( '8499' = 8499 )
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 ( '8530' = 8530 )( '8531' = 8531 )( '8532' = 8532 )( '8533' = 8533 )
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 ( '8550' = 8550 )( '8552' = 8552 )( '8559' = 8559 )( '8569' = 8569 )
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 ( '8579' = 8579 )( '8580' = 8580 )( '8581' = 8581 )( '8582' = 8582 )
 ( '8583' = 8583 )( '8589' = 8589 )( '8591' = 8591 )( '8592' = 8592 )
 ( '8593' = 8593 )( '8594' = 8594 )( '8595' = 8595 )( '8596' = 8596 )
 ( '8597' = 8597 )( '8598' = 8598 )( '8599' = 8599 )( '8610' = 8610 )
 ( '8611' = 8611 )( '8612' = 8612 )( '8613' = 8613 )( '8614' = 8614 )
 ( '8619' = 8619 )( '8710' = 8710 )( '8712' = 8712 )( '8713' = 8713 )
 ( '8714' = 8714 )( '8715' = 8715 )( '8719' = 8719 )( '8721' = 8721 )
 ( '8722' = 8722 )( '8723' = 8723 )( '8729' = 8729 )( '8741' = 8741 )
 ( '8742' = 8742 )( '8743' = 8743 )( '8744' = 8744 )( '8745' = 8745 )
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 ( '8761' = 8761 )( '8769' = 8769 )( '8810' = 8810 )( '8811' = 8811 )
 ( '8812' = 8812 )( '8813' = 8813 )( '8814' = 8814 )( '8819' = 8819 )
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 ( '9219' = 9219 )( '9310' = 9310 )( '9311' = 9311 )( '9314' = 9314 )
 ( '9319' = 9319 )( '9320' = 9320 )( '9321' = 9321 )( '9329' = 9329 )
 ( '9410' = 9410 )( '9411' = 9411 )( '9412' = 9412 )( '9413' = 9413 )
 ( '9414' = 9414 )( '9419' = 9419 )( '9510' = 9510 )( '9511' = 9511 )
 ( '9512' = 9512 )( '9513' = 9513 )( '9514' = 9514 )( '9515' = 9515 )
 ( '9519' = 9519 )( '9610' = 9610 )( '9611' = 9611 )( '9612' = 9612 )
 ( '9619' = 9619 )( '9710' = 9710 )( '9711' = 9711 )( '9712' = 9712 )
 ( '9713' = 9713 )( '9714' = 9714 )( '9715' = 9715 )( '9719' = 9719 )
 ( '9811' = 9811 )( '9819' = 9819 )( '9910' = 9910 )( '9911' = 9911 )
 ( '9919' = 9919 )( '9970' = 9970 )( '9980' = 9980 )( '9999' = 9999 )
 into  USOCC OCC  HUSOCC HOCC

SORT CASES BY PROVINCE

* THIS IS THE FERTILITY MEASURE FOR CHILDREN AGE 0-2.
COMPUTE OWN=0
COUNT OWN=C1 TO C8(2)

COMPUTE YEAR=1990.

COMPUTE AGEMAR=0.

VALUE LABELS  PROVINCE POB PREVPROV  1 'KRABI'
  2 'KANCHANABURI' 3 'KALASIN'
  4 'KAMPHAENG PHET'
  5 'KHON KAEN'  6 'CHANTHA BURI' 7 'CHCHOENGSAO'  8 'CHON BURI'
  9 'CHAINAT' 10 'CHAIYAPHUM' 11 'CHUMPHON' 12 'CHAING RAI'
 13 'CHIANG MAI' 14 'TRANG' 15 'TRAT' 16 'TAK' 17 'THON BURI'
 18 'NAKHON NAYOK'  19 'NAKHON PATHOM' 20 'NAKHON PHANOM'
 21 'NAKHON RATCHASIMA' 22 'NAKHON SI THAMMARAT' 23 'NAKHON SAWAN'
 24 'NONTHABURI' 25 'NARATHIWAT' 26 'NAN' 27 'BURI RAM'
 28 'PATHUM THANI'
 29 'PRACHUAP KHIRI KHAN' 30 'PRACHIN BURI' 31 'PATTANI'
 32 'BANGKOK'  33 'PRA NAKHON SI AYUTT' 34 'PHANGNGA'
```

```
 35 'PHATTHALUNG'  36 'PHICIT'  37 'PHITSANULOK' 38 'PETCHABURI'
 39 'PETCHABUN' 40 'PHRAE' 41 'PHUKET' 42 'MAHA SARAKAM'
 43 'MAE HONG SON' 44 'YALA' 45 'ROI ET' 46 'RANONG' 47 'RAYONG'
 48 'RATCHABURI' 49 'LOP BURI' 50 'LAMPANG' 51 'LAM PHUN' 52 'LOEI'
 53 'SI SA KET' 54 'SAKON NAKHON' 55 'SONGKHALA' 56 'SATUN'
 57 'SAMUT PRAKAN' 58 'SAMUT SONGKHRAM' 59 'SAMUT SAKHON'
 60 'SARABURI' 61 'SING BURI'  62 'SUKHOTHAI' 63 'SUPHAN BURI'
 64 'SURAT THANI' 65 'SURIN' 66 'NONG KAI' 67 'ANG THONG'
 68 'UDON THANI' 69 'UTTARADIT' 70 'UTHAI THANI' 71 'UBON RATCHATHANI'
 79 'OTHER PROVINCE' 81 'ABROAD' 99 'UNKNOWN'
 /REGION 1 'BANGKOK' 2 'CENTRAL' 3 'NORTH' 4 'NORTHEAST'
 5 'SOUTH'
 /URBAN 1 'RURAL' 2 'URBAN'
 /PREVMUN 1 'RURAL' 2 'URBAN' 9 'UNKNOWN'
 /LIVELOC 0 'LESS THAN 1 YEAR' 1 '1-1.9 YEARS' 2 '2-2.9 YEARS'
 3 '3-3.9 YEARS' 4 '4-4.9 YEARS' 5 '5-9.9 YEARS' 6 '10-14.9 YEARS'
 7 '15-19.9 YEARS' 8 '20 YEARS AND OVER' 9 'UNKNOWN' 97 'LESS THAN 5 YEARS'
 98 'MORE THAN 5 YEARS'
 /RELHH 1 'HEAD OF HOUSEHOLD' 2 'SPOUSE' 3 'CHILD'
 4 'SON OR DAU-IN-LAW'  5 'OTHER RELS'
 6 'ADOPTED CHILD' 7 'NON-RELATIVES' 8 'SERVANT' 9 'NON-INMATE'
 10 'INMATE'
 /MARSTAT 1 'NEVER MARRIED' 2 'MARRIED'
  3 'WIDOWED' 4 'DIVORCED' 5 'SEPARATED' 6 'UNKNOWN, PREV MARR'
  7 'MONKS' 9 'UNKNOWN'
 /RELIGION  1 'BUDDHIST' 2 'CONFUCIST' 3 'ISLAM' 4 'CHRISTAN'
 5 'HINDU' 6 'OTHER' 7 'NONE' 9 'UNKNOWN'
 /WKSTAT HWKSTAT 0 'NOT IN LF-NOT STATED'
 1 'EMPLOYER' 2 'SELF-EMPLOYED' 3 'GOVERNMENT EMPLOYEE'
 4 'PRIVATE EMPLOYEE' 5 'FAMILY WORKER' 9 'UNKNOWN'
 /MATCH 0 'NO HUSBAND MATCH' 1 'HUSBAND MATCH'
VARIABLE LABELS  PROVINCE 'PROVINCE'/REGION '1980 REGION'
 /URBAN 'MUNICIPAL-NONMUNICIPAL STATUS'/AGE 'AGE'
 /HAGE 'HUSBANDS AGE'/MARSTAT 'MARITAL STATUS'
 /RELHH 'RELATIONSHIP TO HOUSEHOLD HEAD'
 /RELIGION 'RELIGION'
 /PREVPROV 'PREVIOUS PROVINCE'
 /PREVMUN  'PREVIOUS MUNICIPALITY'
 /HILEVEL 'SCHOOL GRADE ATTENDED'
 /HHILEVEL 'HUSBANDS SCHOOL GRADE ATTENDED'
 /EDUC 'HIGHEST GRADE COMPLETED'
 /HEDUC 'HUSBANDS HIGHEST GRADE COMPLETED'
 /POB 'PLACE OF BIRTH'/LIVELOC 'TIME LIVED IN LOCALITY'
 /OCC 'LAST WEEKS OCCUPATION'/HOCC 'HUSBANDS LAST WEEK OCCUPATION'
 /USOCC 'USUAL OCCUPATION'/HUSOCC 'HUSBANDS USUAL OCCUPATION'
 /USIND 'USUAL INDUSTRY'/HUSIND 'HUSBANDS USUAL INDUSTRY'
 /HWKSTAT 'HUSBANDS WORK STATUS'/CEB 'CHILDREN-EVER-BORN'
 /OWN 'OWN-CHILDREN AGED 0-2'
 /NKIDS 'NUMBER OF MATCHED CHILDREN'
 /NUKIDS 'NUMBER OF UNMATCHED CHILDREN'
 /C1 'AGE OF IST MATCHED CHILD'/C2 'AGE OF 2ND MATCHED CHILD'/
 C3 'AGE OF 3RD MATCHED CHILD'/C4 'AGE OF 4TH MATCHED CHILD'/
 C5 'AGE OF 5TH MATCHED CHILD'/C6 'AGE OF 6TH MATCHED CHILD'/
 C7 'AGE OF 7TH MATCHED CHILD'/C8 'AGE OF 8TH MATCHED CHILD'/
 UC1 'AGE OF IST UNMATCHED CHILD'/UC2 'AGE OF 2ND UNMATCHED CHILD'/
 UC3 'AGE OF 3RD UNMATCHED CHILD'/UC4 'AGE OF 4TH UNMATCHED CHILD'/
 UC5 'AGE OF 5TH UNMATCHED CHILD'/UC6 'AGE OF 6TH UNMATCHED CHILD'/
 UC7 'AGE OF 7TH UNMATCHED CHILD'/UC8 'AGE OF 8TH UNMATCHED CHILD'
 /YEAR 'YEAR OF CENSUS'
 /WEIGHT 'INDIVIDUAL WEIGHT'
```

```
 /AGEMAR 'AGE AT FIRST MARRIAGE'

* TO SAVE THE DATA FILE INTO A PORTABLE FILE, KEEPING ONLY
* THE NEEDED VARIABLES
EXPORT OUTFILE='TH90STD.POR'/KEEP=REGION PROVINCE URBAN
   AGE HAGE RELHH MARSTAT
   RELIGION HILEVEL HHILEVEL POB EDUC HEDUC PREVPROV
   PREVMUN LIVELOC OCC HOCC USOCC HUSOCC USIND HUSIND
   WKSTAT HWKSTAT CEB MATCH OWN
   NKIDS NUKIDS C1 C2 C3 C4 C5 C6 C7 C8 UC1 UC2 UC3 UC4 UC5 UC6 UC7 UC8
   WEIGHT AGEMAR YEAR
EXECUTE

FIN.
```

t7859cat.sps

```
* DATE: DEC 31, 1994
* NAME: YIH-JIN YOUNG
* PURPOSE:  THIS PROGRAM CONCATENATEA TH70STD.POR, TH80STD.POR,
*           TH85STD.POR AND TH90STD.POR INTO ONE SINGLE DATASET.
* PROCEDURES: 1. READ IN THE PORTABLE FILES
*             2. SAVE PORTABLE FILES AS SPSS SYSTEM FILES
*             3. ADD ALL SYSTEM FILES
*           4. EXPORT OUTFILES
* DATA SOURCE: TH70STD.POR, TH80STD.POR, TH85STD.POR, TH90STD.POR
*              (SEE REFERENCE GUIDE FOR DETAILS)
* OUTPUT FILE: T7859CAT.POR

* IMPORT PORTABLE FILE AND SAVE IT AS SYSTEM FILE
IMPORT FILE = 'TH70STD.POR'
SAVE OUTFILE= 'TH70STD.SYS'
EXECUTE

* IMPORT PORTABLE FILE AND SAVE IT AS SYSTEM FILE
IMPORT FILE = 'TH80STD.POR'
SAVE OUTFILE= 'TH80STD.SYS'
EXECUTE

* IMPORT PORTABLE FILE AND SAVE IT AS SYSTEM FILE
IMPORT FILE = 'TH85STD.POR'
SAVE OUTFILE= 'TH85STD.SYS'

* IMPORT PORTABLE FILE AND SAVE IT AS SYSTEM FILE
IMPORT FILE = 'TH90STD.POR'
SAVE OUTFILE= 'TH90STD.SYS'
EXECUTE

* ADD ALL SYSTEM FILES AND SAVE IT AS PORTABLE FILE *
ADD FILES FILE='TH70STD.SYS'/FILE='TH80STD.SYS'/
          FILE='TH85STD.SYS'/FILE='TH90STD.SYS'

EXPORT OUTFILE='T7859CAT.POR'
EXECUTE
FIN.
```

t7859mrg.sps

```
* DATE: DEC 31, 1994
* NAME: YIH-JIN YOUNG
* PURPOSE:  THIS PROGRAM ASSIGNS CONTEXTUAL VARIABLES TO EACH RECORD
*           OF THE CONCATENATED FILE - 1970, 1980, 1985, AND 1990
* PROCEDURES: 1. IMOPRT THE CONTEXTUAL FILE AND SAVE IT AS SYSTEM FILE
*           2. IMPORT THE CANCATNATED FILE AND SAVE  IT AS SYSTEM FILE
*             3. MERGE THE TWO FILES
*           4. EXPORT OUTFILES
* DATA SOURCE: T7859CAT.POR AND TCONT789.POR (SEE REFERENCE GUIDE)
* OUTPUT FILE: T7859MRG.POR
* THE SIZE OF T7859MRG.POR IS 97732170.


* IMPORT THE CONTEXTUAL VARIABLES FILE AND SAVE IT AS A SYSTEM FILE
IMPORT FILE = 'TCONT789.POR'
SAVE OUTFILE = 'TCONT789.SYS'
EXECUTE

* IMPORT THE CONCATNATED FILE AND SAVE IT AS A SYSTEM FILE
IMPORT FILE = 'T7859CAT.POR'
SAVE OUTFILE= 'T7859CAT.SYS'
EXECUTE


* ASSIGNS CONTEXTUAL VARIABLES TO EACH RECORD
MATCH FILES FILE='T7859CAT.SYS' /TABLE='TCONT789.SYS'
 /BY YEAR PROVINCE

EXPORT OUTFILE='T7859MRG.POR'
EXECUTE

FIN.
```

th789cat.sps

```
* DATE: DEC 31, 1994
* NAME: YIH-JIN YOUNG
* PURPOSE:  THIS PROGRAM ADDS TH70STD.POR, TH80STD.POR AND TH90STD.POR
*           INTO ONE SINGLE DATASET.
* PROCEDURES: 1. READ IN THE PORTABLE FILES
*             2. SAVE PORTABLE FILES AS SPSS SYSTEM FILES
*             3. ADD ALL SYSTEM FILES
*           4. EXPORT OUTFILES
* DATA SOURCE: TH70STD.POR, TH80STD.POR, TH90STD.POR
*              (SEE REFERENCE GUIDE FOR DETAILS)
* OUTPUT FILE: TH789CAT.POR

* IMPORT PORTABLE FILE AND SAVE IT AS SYSTEM FILE
IMPORT FILE = 'TH70STD.POR'
SAVE OUTFILE= 'TH70STD.SYS'
EXECUTE

* IMPORT PORTABLE FILE AND SAVE IT AS SYSTEM FILE
IMPORT FILE = 'TH80STD.POR'
SAVE OUTFILE= 'TH80STD.SYS'
EXECUTE

* IMPORT PORTABLE FILE AND SAVE IT AS SYSTEM FILE
IMPORT FILE = 'TH90STD.POR'
SAVE OUTFILE= 'TH90STD.SYS'
EXECUTE

* ADD ALL SYSTEM FILES AND SAVE IT AS PORTABLE FILE *
ADD FILES FILE='TH70STD.SYS'/FILE='TH80STD.SYS'/
          FILE='TH90STD.SYS'

EXPORT OUTFILE='TH789CAT.POR'
EXECUTE
FIN.
```

th789mrg.por

```
* DATE: DEC 31, 1994
* NAME: YIH-JIN YOUNG
* PURPOSE:  THIS PROGRAM ASSIGNS CONTEXTUAL VARIABLES TO EACH RECORD
*           FOR THE CONCATNATED FILE - 1970, 1980, 1990
* PROCEDURES: 1. IMOPRT THE CONTEXTUAL FILE AND SAVE IT AS SYSTEM FILE
*           2. IMPORT THE CANCATNATED FILE AND SAVE IT AS SYSTEM FILE
*             3. MERGE THE TWO FILES
*           4. EXPORT OUTFILES
* DATA SOURCE: TH70STD.POR, TH80STD.POR, TH90STD.POR
*              AND TCONT789.POR (SEE REFERENCE GUIDE FOR DETAILS)
* OUTPUT FILE: TH789MRG.POR
* THE SIZE OF TH789MRG.POR IS 80184087.

* IMPORT THE CONTEXTUAL VARIABLES FILE AND SAVE IT AS A SYSTEM FILE
IMPORT FILE = 'TCONT789.POR'
SAVE OUTFILE = 'TCONT789.SYS'
EXECUTE

* IMPORT THE CONCATNATED FILE AND SAVE IT AS A SYSTEM FILE
IMPORT FILE = 'TH789CAT.POR'
SAVE OUTFILE = 'TH789CAT.SYS'
EXECUTE

* ASSIGNS CONTEXTUAL VARIABLES TO EACH RECORD
MATCH FILES FILE='TH789CAT.SYS' /TABLE='TCONT789.SYS'
 /BY YEAR PROVINCE

EXPORT OUTFILE='TH789MRG.POR'
EXECUTE

FIN.
```

APPENDIX E

LIST OF VARIABLES AND THEIR CODES

NAME POSITION

List of variables on the working file

Name Position

REGION 1980 REGION 1
Print Format: F1
Write Format: F1

Value	Label
1	BANGKOK
2	CENTRAL
3	NORTH
4	NORTHEAST
5	SOUTH

PROVINCE PROVINCE 2
Print Format: F2
Write Format: F2

Value	Label
1	KRABI
2	KANCHANABURI
3	KALASIN
4	KAMPHAENG PHET
5	KHON KAEN
6	CHANTHA BURI
7	CHCHOENGSAO
8	CHON BURI
9	CHAINAT
10	CHAIYAPHUM
11	CHUMPHON
12	CHAING RAI
13	CHIANG MAI
14	TRANG
15	TRAT
16	TAK
17	THON BURI
18	NAKHON NAYOK
19	NAKHON PATHOM
20	NAKHON PHANOM
21	NAKHON RATCHASIMA
22	NAKHON SI THAMMARAT
23	NAKHON SAWAN
24	NONTHABURI
25	NARATHIWAT
26	NAN
27	BURI RAM
28	PATHUM THANI
29	PRACHUAP KHIRI KHAN
30	PRACHIN BURI
31	PATTANI
32	BANGKOK
33	PRA NAKHON SI AYUTT
34	PHANGNGA
35	PHATTHALUNG
36	PHICIT
37	PHITSANULOK
38	PETCHABURI
39	PETCHABUN

```
              40    PHRAE
              41    PHUKET
              42    MAHA SARAKAM
              43    MAE HONG SON
              44    YALA
              45    ROI ET
              46    RANONG
              47    RAYONG
              48    RATCHABURI
              49    LOP BURI
              50    LAMPANG
              51    LAM PHUN
              52    LOEI
              53    SI SA KET
              54    SAKON NAKHON
              55    SONGKHALA
              56    SATUN
              57    SAMUT PRAKAN
              58    SAMUT SONGKHRAM
              59    SAMUT SAKHON
              60    SARABURI
              61    SING BURI
              62    SUKHOTHAI
              63    SUPHAN BURI
              64    SURAT THANI
              65    SURIN
              66    NONG KAI
              67    ANG THONG
              68    UDON THANI
              69    UTTARADIT
              70    UTHAI THANI
              71    UBON RATCHATHANI
              78    SAME PROVINCE
              79    OTHER PROVINCE
              81    ABROAD
              99    UNKNOWN

URBAN     MUNICIPAL-NONMUNICIPAL STATUS                              3
          Print Format: F2
          Write Format: F2

          Value    Label

              1    RURAL
              2    BANGKOK
              3    CITY
              4    TOWN
              5    TAMBON

AGE       AGE                                                        4
          Print Format: F2
          Write Format: F2

HAGE      HUSBANDS AGE                                               5
          Print Format: F2
          Write Format: F2

RELHH     RELATIONSHIP TO HOUSEHOLD HEAD                             6
          Print Format: F2
          Write Format: F2

          Value    Label

              1    HEAD OF HOUSEHOLD
              2    SPOUSE
              3    CHILD
              4    SON OR DAU-IN-LAW
              5    OTHER RELS
              6    ADOPTED CHILD
              7    NON-RELATIVES
              8    SERVANT
              9    NON-INMATE
             10    INMATE

MARSTAT   MARITAL STATUS                                             7
```

Print Format: F2
Write Format: F2

Value Label

1 NEVER MARRIED
2 MARRIED
3 WIDOWED
4 DIVORCED
5 SEPARATED
6 UNKNOWN, PREV MARR
7 MONKS
9 UNKNOWN

RELIGION RELIGION 8
Print Format: F3
Write Format: F3

Value Label

1 BUDDHIST
2 CONFUCIST
3 ISLAM
4 CHRISTAN
5 HINDU
6 OTHER
7 NONE
9 UNKNOWN

HILEVEL SCHOOL GRADE ATTENDED 9
Print Format: F2
Write Format: F2

HHILEVEL HUSBANDS SCHOOL GRADE ATTENDED 10
Print Format: F2
Write Format: F2

POB PLACE OF BIRTH 11
Print Format: F4
Write Format: F4

Value Label

1 KRABI
2 KANCHANABURI
3 KALASIN
4 KAMPHAENG PHET
5 KHON KAEN
6 CHANTHA BURI
7 CHCHOENGSAO
8 CHON BURI
9 CHAINAT
10 CHAIYAPHUM
11 CHUMPHON
12 CHAING RAI
13 CHIANG MAI
14 TRANG
15 TRAT
16 TAK
17 THON BURI
18 NAKHON NAYOK
19 NAKHON PATHOM
20 NAKHON PHANOM
21 NAKHON RATCHASIMA
22 NAKHON SI THAMMARAT
23 NAKHON SAWAN
24 NONTHABURI
25 NARATHIWAT
26 NAN
27 BURI RAM
28 PATHUM THANI
29 PRACHUAP KHIRI KHAN
30 PRACHIN BURI
31 PATTANI
32 BANGKOK

33	PRA NAKHON SI AYUTT
34	PHANGNGA
35	PHATTHALUNG
36	PHICIT
37	PHITSANULOK
38	PETCHABURI
39	PETCHABUN
40	PHRAE
41	PHUKET
42	MAHA SARAKAM
43	MAE HONG SON
44	YALA
45	ROI ET
46	RANONG
47	RAYONG
48	RATCHABURI
49	LOP BURI
50	LAMPANG
51	LAM PHUN
52	LOEI
53	SI SA KET
54	SAKON NAKHON
55	SONGKHALA
56	SATUN
57	SAMUT PRAKAN
58	SAMUT SONGKHRAM
59	SAMUT SAKHON
60	SARABURI
61	SING BURI
62	SUKHOTHAI
63	SUPHAN BURI
64	SURAT THANI
65	SURIN
66	NONG KAI
67	ANG THONG
68	UDON THANI
69	UTTARADIT
70	UTHAI THANI
71	UBON RATCHATHANI
78	SAME PROVINCE
79	OTHER PROVINCE
81	ABROAD
99	UNKNOWN

EDUC HIGHEST GRADE COMPLETED 12
Print Format: F3
Write Format: F3

HEDUC HUSBANDS HIGHEST GRADE COMPLETED 13
Print Format: F3
Write Format: F3

PREVPROV PREVIOUS PROVINCE 14
Print Format: F4
Write Format: F4

Value	Label
1	KRABI
2	KANCHANABURI
3	KALASIN
4	KAMPHAENG PHET
5	KHON KAEN
6	CHANTHA BURI
7	CHCHOENGSAO
8	CHON BURI
9	CHAINAT
10	CHAIYAPHUM
11	CHUMPHON
12	CHAING RAI
13	CHIANG MAI
14	TRANG
15	TRAT
16	TAK
17	THON BURI

18	NAKHON NAYOK
19	NAKHON PATHOM
20	NAKHON PHANOM
21	NAKHON RATCHASIMA
22	NAKHON SI THAMMARAT
23	NAKHON SAWAN
24	NONTHABURI
25	NARATHIWAT
26	NAN
27	BURI RAM
28	PATHUM THANI
29	PRACHUAP KHIRI KHAN
30	PRACHIN BURI
31	PATTANI
32	BANGKOK
33	PRA NAKHON SI AYUTT
34	PHANGNGA
35	PHATTHALUNG
36	PHICIT
37	PHITSANULOK
38	PETCHABURI
39	PETCHABUN
40	PHRAE
41	PHUKET
42	MAHA SARAKAM
43	MAE HONG SON
44	YALA
45	ROI ET
46	RANONG
47	RAYONG
48	RATCHABURI
49	LOP BURI
50	LAMPANG
51	LAM PHUN
52	LOEI
53	SI SA KET
54	SAKON NAKHON
55	SONGKHALA
56	SATUN
57	SAMUT PRAKAN
58	SAMUT SONGKHRAM
59	SAMUT SAKHON
60	SARABURI
61	SING BURI
62	SUKHOTHAI
63	SUPHAN BURI
64	SURAT THANI
65	SURIN
66	NONG KAI
67	ANG THONG
68	UDON THANI
69	UTTARADIT
70	UTHAI THANI
71	UBON RATCHATHANI
78	SAME PROVINCE
79	OTHER PROVINCE
81	ABROAD
99	UNKNOWN

PREVMUN PREVIOUS MUNICIPALITY 15
Print Format: F4
Write Format: F4

Value	Label
1	RURAL
2	URBAN
9	UNKNOWN

LIVELOC TIME LIVED IN LOCALITY 16
Print Format: F2
Write Format: F2

Value	Label

```
              0    LESS THAN 1 YEAR
              1    1-1.9 YEARS
              2    2-2.9 YEARS
              3    3-3.9 YEARS
              4    4-4.9 YEARS
              5    5-9.9 YEARS
              6    10-14.9 YEARS
              7    15-19.9 YEARS
              8    20 YEARS AND OVER
              9    UNKNOWN

OCC       LAST WEEKS OCCUPATION                                    17
          Print Format: F3
          Write Format: F3

HOCC      HUSBANDS LAST WEEK OCCUPATION                            18
          Print Format: F3
          Write Format: F3

USOCC     USUAL OCCUPATION                                         19
          Print Format: F4
          Write Format: F4

HUSOCC    HUSBANDS USUAL OCCUPATION                                20
          Print Format: F4
          Write Format: F4

USIND     USUAL INDUSTRY                                           21
          Print Format: F4
          Write Format: F4

HUSIND    HUSBANDS USUAL INDUSTRY                                  22
          Print Format: F4
          Write Format: F4

WKSTAT                                                             23
          Print Format: F1
          Write Format: F1

          Value    Label

              0    NOT IN LF-NOT STATED
              1    EMPLOYER
              2    SELF-EMPLOYED
              3    GOVERNMENT EMPLOYEE
              4    PRIVATE EMPLOYEE
              5    FAMILY WORKER
              9    UNKNOWN

HWKSTAT   HUSBANDS WORK STATUS                                     24
          Print Format: F1
          Write Format: F1

          Value    Label

              0    NOT IN LF-NOT STATED
              1    EMPLOYER
              2    SELF-EMPLOYED
              3    GOVERNMENT EMPLOYEE
              4    PRIVATE EMPLOYEE
              5    FAMILY WORKER
              9    UNKNOWN

CEB       CHILDREN-EVER-BORN                                       25
          Print Format: F2
          Write Format: F2

          Value    Label

             99    UNKNOWN

MATCH                                                              26
          Print Format: F1
          Write Format: F1
```

	Value Label	
	0 NO HUSBAND MATCH	
	1 HUSBAND MATCH	
OWN	OWN-CHILDREN AGED 2 Print Format: F8.2 Write Format: F8.2	27
NKIDS	NUMBER OF MATCHED CHILDREN Print Format: F1 Write Format: F1	28
NUKIDS	NUMBER OF UNMATCHED CHILDREN Print Format: F2 Write Format: F2	29
C1	AGE OF IST MATCHED CHILD Print Format: F1 Write Format: F1	30
C2	AGE OF 2ND MATCHED CHILD Print Format: F1 Write Format: F1	31
C3	AGE OF 3RD MATCHED CHILD Print Format: F1 Write Format: F1	32
C4	AGE OF 4TH MATCHED CHILD Print Format: F1 Write Format: F1	33
C5	AGE OF 5TH MATCHED CHILD Print Format: F1 Write Format: F1	34
C6	AGE OF 6TH MATCHED CHILD Print Format: F1 Write Format: F1	35
C7	AGE OF 7TH MATCHED CHILD Print Format: F1 Write Format: F1	36
C8	AGE OF 8TH MATCHED CHILD Print Format: F1 Write Format: F1	37
UC1	AGE OF IST UNMATCHED CHILD Print Format: F1 Write Format: F1	38
UC2	AGE OF 2ND UNMATCHED CHILD Print Format: F1 Write Format: F1	39
UC3	AGE OF 3RD UNMATCHED CHILD Print Format: F1 Write Format: F1	40
UC4	AGE OF 4TH UNMATCHED CHILD Print Format: F1 Write Format: F1	41
UC5	AGE OF 5TH UNMATCHED CHILD Print Format: F1 Write Format: F1	42
UC6	AGE OF 6TH UNMATCHED CHILD Print Format: F1 Write Format: F1	43
UC7	AGE OF 7TH UNMATCHED CHILD Print Format: F1	44

	Write Format: F1	
UC8	AGE OF 8TH UNMATCHED CHILD Print Format: F1 Write Format: F1	45
WEIGHT	INDIVIDUAL WEIGHT Print Format: F8.2 Write Format: F8.2	46
AGEMAR	AGE AT FIRST MARRIAGE Print Format: F8.2 Write Format: F8.2	47
YEAR	YEAR OF CENSUS Print Format: F8.2 Write Format: F8.2	48
IM	INFANT MORTALITY Print Format: F11.2 Write Format: F11.2	49
AVFMZ	AVERAGE SIZE OF FARMS (IN RAI) Print Format: F11.2 Write Format: F11.2	50
AVPPFM	AVFMZ*AVG RICE PROD. IN TONS/RAI*-1) Print Format: F11.2 Write Format: F11.2	51
DEN	POPULATION DENSITY, IN SQ KILOMETERS Print Format: F11.2 Write Format: F11.2	52
PRIM	RATIO OF DOCTORS & NURSES TO URBAN POP Print Format: F11.2 Write Format: F11.2	53
SEC	RATIO OF NURSE AIDS, MIDWIFE TO RURAL POP Print Format: F11.2 Write Format: F11.2	54
FAMLAB	PROP OF CHILDREN IN UNPAID FAMILY LABOR Print Format: F11.2 Write Format: F11.2	55
CWPROP2	PROP OF CHILDREN 13-16 IN LABOR FORCE Print Format: F11.2 Write Format: F11.2	56
CWPROP3	PROP OF CHILDREN 13-17 IN LABOR FORCE Print Format: F11.2 Write Format: F11.2	57
WEPROP	PROP OF WOMEN 15-34 WITH MORE THAN PRIM EDU Print Format: F11.2 Write Format: F11.2	58
MPROP	PROP OF WOMEN AGED 15-24 NEVER-MARRIED Print Format: F11.2 Write Format: F11.2	59
WWPROP	PROP OF WOMEN 15-34 IN NON-AGRI SECTOR Print Format: F11.2 Write Format: F11.2	60
C613NP	PROP OF CHILD. 6-13 NOT CURRENTLY ENROLLED IN PRIM SCHOOL Print Format: F8.4 Write Format: F8.4	61
C1218NS	PROP OF CHD 12-16 NOT ENROLLED IN SEC SCH Print Format: F8.4 Write Format: F8.4	62

Note Position refers to the sequence of the variable on the SPSSX system file

Appendix F

Unweighted Frequency Distribution by Year.

PROVINCE PROVINCE by YEAR YEAR OF CENSUS

Page 1 of 1

PROVINCE	YEAR	1970.00	1980.00	1985.00	1990.00	Row Total
KRABI	1	1177	461		631	2269
	Col Pct	.6	.5		.5	.4
KANCHANABURI	2	1324	1125	2521	1352	6322
	Col Pct	.7	1.1	2.6	1.0	1.2
KALASIN	3	1681	1716	2294	2004	7695
	Col Pct	.9	1.7	2.4	1.4	1.5
KAMPHAENG PHET	4	1162	1115	2943	1395	6615
	Col Pct	.6	1.1	3.0	1.0	1.3
KHON KAEN	5	3695	2911	1764	3836	12206
	Col Pct	2.0	2.9	1.8	2.8	2.3
CHANTHA BURI	6	1415	644	764	967	3790
	Col Pct	.8	.7	.8	.7	.7
CHCHOENGSAO	7	1140	968		1139	3247
	Col Pct	.6	1.0		.8	.6
CHON BURI	8	2421	1401	2117	2007	7946
	Col Pct	1.3	1.4	2.2	1.4	1.5
CHAINAT	9	1336	711	826	716	3589
	Col Pct	.7	.7	.9	.5	.7
CHAIYAPHUM	10	2465	1901	860	2059	7285
	Col Pct	1.3	1.9	.9	1.5	1.4
CHUMPHON	11	884	618	773	814	3089
	Col Pct	.5	.6	.8	.6	.6
CHAING RAI	12	1955	3348	1798	3663	10764
	Col Pct	1.1	3.4	1.9	2.6	2.1
CHIANG MAI	13	4051	3014	2780	3642	13487
	Col Pct	2.2	3.0	2.9	2.6	2.6
TRANG	14	1483	827	2365	1203	5878
	Col Pct	.8	.8	2.4	.9	1.1
TRAT	15	1122	289		429	1840
	Col Pct	.6	.3		.3	.4
TAK	16	1228	606	826	939	3599
	Col Pct	.7	.6	.9	.7	.7
THON BURI	17	16096	3361		7246	26703
	Col Pct	8.7	3.4		5.2	5.1
NAKHON NAYOK	18	931	393		403	1727
	Col Pct	.5	.4		.3	.3
NAKHON PATHOM	19	1747	1104	2364	1463	6678
	Col Pct	.9	1.1	2.4	1.1	1.3
NAKHON PHANOM	20	2631	1696	674	1965	6966
	Col Pct	1.4	1.7	.7	1.4	1.3
NAKHON RATCHASIM	21	5092	3822	3087	4840	16841
	Col Pct	2.8	3.9	3.2	3.5	3.2

22	2807	2467	1924	2740	9938
NAKHON SI THAMMA	1.5	2.5	2.0	2.0	1.9
23	2686	1907	3324	2203	10120
NAKHON SAWAN	1.5	1.9	3.4	1.6	1.9
24	1219	980	623	1879	4701
NONTHABURI	.7	1.0	.6	1.4	.9
25	1337	906	2026	1323	5592
NARATHIWAT	.7	.9	2.1	1.0	1.1
26	1167	849	856	1054	3926
NAN	.6	.9	.9	.8	.8
27	2521	2378	642	2757	8298
BURI RAM	1.4	2.4	.7	2.0	1.6
28	584	747		1121	2452
PATHUM THANI	.3	.8		.8	.5
29	1253	632	376	860	3121
PRACHUAP KHIRI K	.7	.6	.4	.6	.6
30	1749	1261	446	1466	4922
PRACHIN BURI	.9	1.3	.5	1.1	.9
31	1266	894	412	1101	3673
PATTANI	.7	.9	.4	.8	.7
32	44000	7451	14283	22266	88000
BANGKOK	23.8	7.5	14.7	16.0	16.9
33	1895	1101	1812	1351	6159
PRA NAKHON SI AY	1.0	1.1	1.9	1.0	1.2
34	1254	376		483	2113
PHANGNGA	.7	.4		.3	.4
35	1424	813	1743	1027	5007
PHATTHALUNG	.8	.8	1.8	.7	1.0
36	1565	1048	829	1076	4518
PHICIT	.8	1.1	.9	.8	.9
37	1664	1263	2465	1783	7175
PHITSANULOK	.9	1.3	2.5	1.3	1.4
38	1133	746		984	2863
PETCHABURI	.6	.8		.7	.6
39	1414	1737	2480	1975	7606
PETCHABUN	.8	1.8	2.6	1.4	1.5
40	1466	1110	937	1232	4745
PHRAE	.8	1.1	1.0	.9	.9
41	1216	344		549	2109
PHUKET	.7	.3		.4	.4
42	2331	1696	1958	1871	7856
MAHA SARAKAM	1.3	1.7	2.0	1.3	1.5
43	1227	302		436	1965
MAE HONG SON	.7	.3		.3	.4
44	1616	579	1869	980	5044
YALA	.9	.6	1.9	.7	1.0
45	2304	2102	585	2584	7575
ROI ET	1.2	2.1	.6	1.9	1.5
46	1060	189		305	1554
RANONG	.6	.2		.2	.3

47	1043	717	2379	962	5101
RAYONG	.6	.7	2.4	.7	1.0
48	2295	1325	846	1642	6108
RATCHABURI	1.2	1.3	.9	1.2	1.2
49	1232	1228	785	1407	4652
LOP BURI	.7	1.2	.8	1.0	.9
50	2010	1547	797	1914	6268
LAMPANG	1.1	1.6	.8	1.4	1.2
51	1264	951		969	3184
LAM PHUN	.7	1.0		.7	.6
52	2125	1061		1361	4547
LOEI	1.1	1.1		1.0	.9
53	2469	2329	1670	2576	9044
SI SA KET	1.3	2.4	1.7	1.9	1.7
54	2323	1754		2060	6137
SAKON NAKHON	1.3	1.8		1.5	1.2
55	2965	1727	3633	2734	11059
SONGKHALA	1.6	1.7	3.7	2.0	2.1
56	1370	349		507	2226
SATUN	.7	.4		.4	.4
57	1793	1238	1944	1835	6810
SAMUT PRAKAN	1.0	1.3	2.0	1.3	1.3
58	961	337	678	471	2447
SAMUT SONGKHRAM	.5	.3	.7	.3	.5
59	1464	566		1128	3158
SAMUT SAKHON	.8	.6		.8	.6
60	1585	874	2638	1199	6296
SARABURI	.9	.9	2.7	.9	1.2
61	1368	495		447	2310
SING BURI	.7	.5		.3	.4
62	1620	1223	2331	1368	6542
SUKHOTHAI	.9	1.2	2.4	1.0	1.3
63	1861	1588	744	1615	5808
SUPHAN BURI	1.0	1.6	.8	1.2	1.1
64	2172	1092	3290	1570	8124
SURAT THANI	1.2	1.1	3.4	1.1	1.6
65	2541	2129	2751	2317	9738
SURIN	1.4	2.2	2.8	1.7	1.9
66	1826	1357		1668	4851
NONG KAI	1.0	1.4		1.2	.9
67	1267	576		523	2366
ANG THONG	.7	.6		.4	.5
68	3474	3166	1231	3877	11748
UDON THANI	1.9	3.2	1.3	2.8	2.3
69	1130	985	628	1073	3816
UTTARADIT	.6	1.0	.6	.8	.7
70	840	543		579	1962
UTHAI THANI	.5	.5		.4	.4
71	4734	3924	2479	4965	16102
UBON RATCHATHANI	2.6	4.0	2.6	3.6	3.1

Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

URBAN MUNICIPAL-NONMUNICIPAL STATUS by YEAR YEAR OF CENSUS

YEAR — Page 1 of 1

URBAN	Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
1 RURAL		60396 32.7	81109 81.9	41030 42.2	90403 65.1	272938 52.5
2 BANGKOK		60096 32.5	10812 10.9	14283 14.7	48483 34.9	133674 25.7
3 CITY		2150 1.2	265 .3	1331 1.4		3746 .7
4 TOWN		53621 29.0	5940 6.0	32951 33.9		92512 17.8
5 TAMBON		8663 4.7	864 .9	7575 7.8		17102 3.3
Column Total		184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0
Note: For 1990, 1 refers to rural and 2 refers to urban.

AGE AGE by YEAR YEAR OF CENSUS

YEAR — Page 1 of 1

AGE	Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
15		9713 5.3	4893 4.9	3869 4.0	5096 3.7	23571 4.5
16		9312 5.0	4677 4.7	4103 4.2	4736 3.4	22828 4.4
17		9361 5.1	4934 5.0	4286 4.4	4833 3.5	23414 4.5
18		8611 4.7	4586 4.6	4400 4.5	5331 3.8	22928 4.4
19		8179 4.4	4010 4.1	4223 4.3	5013 3.6	21425 4.1
20		8016 4.3	4407 4.5	4249 4.4	5364 3.9	22036 4.2
21		6980 3.8	3724 3.8	4116 4.2	4881 3.5	19701 3.8
22		6940 3.8	3908 3.9	3996 4.1	5137 3.7	19981 3.8
23		6343 3.4	3916 4.0	3855 4.0	4893 3.5	19007 3.7
24		5847 3.2	3661 3.7	3893 4.0	4780 3.4	18181 3.5
25		5987 3.2	3772 3.8	3912 4.0	5435 3.9	19106 3.7

26	5066	3020	3555	4686	16327
	2.7	3.1	3.7	3.4	3.1
27	5829	3155	3312	4722	17018
	3.2	3.2	3.4	3.4	3.3
28	5231	3115	3494	4732	16572
	2.8	3.1	3.6	3.4	3.2
29	5425	2677	3192	4340	15634
	2.9	2.7	3.3	3.1	3.0
30	5815	3390	3056	5180	17441
	3.1	3.4	3.1	3.7	3.4
31	5079	2310	2725	4128	14242
	2.7	2.3	2.8	3.0	2.7
32	5174	2477	2668	4348	14667
	2.8	2.5	2.7	3.1	2.8
33	4978	2260	2519	4231	13988
	2.7	2.3	2.6	3.0	2.7
34	4440	2024	2358	3810	12632
	2.4	2.0	2.4	2.7	2.4
35	4934	2183	2515	4022	13654
	2.7	2.2	2.6	2.9	2.6
36	4563	2033	2158	3567	12321
	2.5	2.1	2.2	2.6	2.4
37	4344	1844	1967	3595	11750
	2.3	1.9	2.0	2.6	2.3
38	4009	2026	1825	3382	11242
	2.2	2.0	1.9	2.4	2.2
39	4074	1787	1773	3244	10878
	2.2	1.8	1.8	2.3	2.1
40	4037	2493	1657	3583	11770
	2.2	2.5	1.7	2.6	2.3
41	3736	1832	1490	2721	9779
	2.0	1.9	1.5	2.0	1.9
42	3321	2033	1493	2903	9750
	1.8	2.1	1.5	2.1	1.9
43	3307	1805	1552	2551	9215
	1.8	1.8	1.6	1.8	1.8
44	2963	1675	1462	2122	8222
	1.6	1.7	1.5	1.5	1.6
45	2855	1890	1584	2530	8859
	1.5	1.9	1.6	1.8	1.7
46	2779	1681	1498	2114	8072
	1.5	1.7	1.5	1.5	1.6
47	2566	1661	1501	2195	7923
	1.4	1.7	1.5	1.6	1.5
48	2692	1771	1512	2274	8249
	1.5	1.8	1.6	1.6	1.6
49	2420	1360	1402	2407	7589
	1.3	1.4	1.4	1.7	1.5
Column Total	184926	98990	97170	138886	519972
	35.6	19.0	18.7	26.7	100.0

Number of Missing Observations: 0

HAGE HUSBANDS AGE by YEAR YEAR OF CENSUS

HAGE	YEAR 1970.00	1980.00	1985.00	1990.00	Row Total
15	13	6	11	26	56
	.0	.0	.0	.0	.0
16	32	16	32	34	114
	.0	.0	.1	.0	.0
17	129	58	93	80	360
	.1	.1	.2	.1	.1
18	231	145	206	161	743
	.2	.3	.4	.2	.3
19	476	294	408	327	1505
	.5	.5	.8	.4	.5
20	821	574	646	566	2607
	.8	1.0	1.3	.7	.9
21	1030	780	815	816	3441
	1.1	1.4	1.6	1.1	1.2
22	1428	913	1073	1084	4498
	1.5	1.6	2.1	1.4	1.6
23	1814	1350	1342	1443	5949
	1.9	2.4	2.6	1.9	2.1
24	2012	1646	1601	1824	7083
	2.1	2.9	3.1	2.4	2.5
25	2707	1981	1872	2258	8818
	2.8	3.5	3.6	2.9	3.1
26	2453	1943	1907	2311	8614
	2.5	3.5	3.7	3.0	3.1
27	3420	2042	1965	2559	9986
	3.5	3.6	3.8	3.3	3.5
28	3289	2123	2141	2763	10316
	3.4	3.8	4.2	3.6	3.7
29	3787	2032	2113	2734	10666
	3.9	3.6	4.1	3.5	3.8
30	3894	2656	2156	3368	12074
	4.0	4.7	4.2	4.4	4.3
31	3845	2021	1987	2886	10739
	3.9	3.6	3.9	3.7	3.8
32	3949	2060	1954	3112	11075
	4.1	3.7	3.8	4.0	3.9
33	3802	1897	1968	3138	10805
	3.9	3.4	3.8	4.1	3.8
34	3554	1620	1881	2805	9860
	3.6	2.9	3.7	3.6	3.5
35	3966	1932	1979	3109	10986
	4.1	3.4	3.9	4.0	3.9

36	3669	1766	1726	2789	9950
	3.8	3.2	3.4	3.6	3.5
37	3746	1743	1566	2821	9876
	3.8	3.1	3.0	3.6	3.5
38	3205	1781	1534	2721	9241
	3.3	3.2	3.0	3.5	3.3
39	3382	1536	1360	2637	8915
	3.5	2.7	2.6	3.4	3.2
40	3492	2107	1404	2956	9959
	3.6	3.8	2.7	3.8	3.5
41	3393	1513	1265	2258	8429
	3.5	2.7	2.5	2.9	3.0
42	2797	1818	1212	2440	8267
	2.9	3.2	2.4	3.2	2.9
43	2754	1534	1279	2188	7755
	2.8	2.7	2.5	2.8	2.7
44	2421	1477	1252	1758	6908
	2.5	2.6	2.4	2.3	2.4
45	2356	1616	1297	2130	7399
	2.4	2.9	2.5	2.8	2.6
46	2306	1440	1197	1673	6616
	2.4	2.6	2.3	2.2	2.3
47	2018	1353	1170	1742	6283
	2.1	2.4	2.3	2.3	2.2
48	2042	1382	1061	1725	6210
	2.1	2.5	2.1	2.2	2.2
49	2005	993	960	1764	5722
	2.1	1.8	1.9	2.3	2.0
50	1490	1270	863	1627	5250
	1.5	2.3	1.7	2.1	1.9
51	1505	800	723	1154	4182
	1.5	1.4	1.4	1.5	1.5
52	1300	765	613	1162	3840
	1.3	1.4	1.2	1.5	1.4
53	1235	639	543	852	3269
	1.3	1.1	1.1	1.1	1.2
54	852	489	426	605	2372
	.9	.9	.8	.8	.8
55	841	373	329	579	2122
	.9	.7	.6	.7	.8
56	564	291	286	421	1562
	.6	.5	.6	.5	.6
57	530	235	225	371	1361
	.5	.4	.4	.5	.5
58	526	216	165	267	1174
	.5	.4	.3	.3	.4
59	417	145	136	204	902
	.4	.3	.3	.3	.3
60	344	151	110	219	824
	.4	.3	.2	.3	.3

61	243	68	73	141	525
	.2	.1	.1	.2	.2
62	222	79	81	130	512
	.2	.1	.2	.2	.2
63	179	64	59	103	405
	.2	.1	.1	.1	.1
64	133	50	39	63	285
	.1	.1	.1	.1	.1
65	149	40	47	68	304
	.2	.1	.1	.1	.1
66	101	24	31	56	212
	.1	.0	.1	.1	.1
67	99	29	27	45	200
	.1	.1	.1	.1	.1
68	89	26	24	36	175
	.1	.0	.0	.0	.1
69	60	15	17	36	128
	.1	.0	.0	.0	.0
70	67	25	10	17	119
	.1	.0	.0	.0	.0
71	41	7	9	14	71
	.0	.0	.0	.0	.0
72	35	13	13	23	84
	.0	.0	.0	.0	.0
73	33	10	14	15	72
	.0	.0	.0	.0	.0
74	30	9	7	19	65
	.0	.0	.0	.0	.0
75	28	6	9	14	57
	.0	.0	.0	.0	.0
76	19	3	5	10	37
	.0	.0	.0	.0	.0
77	18	10	3	13	44
	.0	.0	.0	.0	.0
78	11	1	3	13	28
	.0	.0	.0	.0	.0
79	7	3	7	6	23
	.0	.0	.0	.0	.0
80	5	5	8	12	30
	.0	.0	.0	.0	.0
81	10	2	4	4	20
	.0	.0	.0	.0	.0
82	7	2	1	6	16
	.0	.0	.0	.0	.0
83	4	1	1	5	11
	.0	.0	.0	.0	.0
84	3	1		5	9
	.0	.0		.0	.0
85	3	1		7	11
	.0	.0		.0	.0

86	3	3	1	4	11
	.0	.0	.0	.0	.0
87	4			1	5
	.0			.0	.0
88	1	1		2	4
	.0	.0		.0	.0
89	1			3	4
	.0			.0	.0
90			1	2	3
			.0	.0	.0
91				1	1
				.0	.0
92		1	1		2
		.0	.0		.0
93			1	1	2
			.0	.0	.0
95	1		1	2	4
	.0		.0	.0	.0
96	2	1	1		4
	.0	.0	.0		.0
97			1		1
			.0		.0
98	1			15	16
	.0			.0	.0
99	1				1
	.0				.0
Column Total	97452 34.5	56022 19.9	51351 18.2	77359 27.4	282184 100.0

Number of Missing Observations: 237788

RELHH RELATIONSHIP TO HOUSEHOLD HEAD by YEAR YEAR OF CENSUS

RELHH	YEAR 1970.00	1980.00	1985.00	1990.00	Row Total
1 HEAD OF HOUSEHOL	10871 5.9	5259 5.3	7985 8.2	10817 7.8	34932 6.7
2 SPOUSE	81885 44.3	45557 46.0	40059 41.2	60404 43.5	227905 43.8
3 CHILD	57560 31.1	36608 37.0	29216 30.1	47091 33.9	170475 32.8
4 SON OR DAU-IN-LA	6509 3.5	3392 3.4	4852 5.0	5658 4.1	20411 3.9
5 OTHER RELS	18065 9.8	6053 6.1	8102 8.3	13328 9.6	45548 8.8
6 ADOPTED CHILD	612 .3	80 .1	422 .4	70 .1	1184 .2
7 NON-RELATIVES	6021 3.3	1480 1.5	4730 4.9		12231 2.4
8	3403	561	1804	1518	7286

SERVANT	1.8	.6	1.9	1.1	1.4
Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

MARSTAT MARITAL STATUS by YEAR YEAR OF CENSUS

YEAR — Page 1 of 1

MARSTAT	Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
1 NEVER MARRIED		68887 37.3	34885 35.3	34690 35.7	48471 34.9	186933 36.0
2 MARRIED		105035 56.8	58643 59.3	56931 58.6	82252 59.2	302861 58.3
3 WIDOWED		5024 2.7	2708 2.7	2468 2.5	3762 2.7	13962 2.7
4 DIVORCED		1940 1.0	819 .8	2979 3.1	1304 .9	7042 1.4
5 SEPARATED		3875 2.1	1754 1.8		2879 2.1	8508 1.6
6 UNKNOWN, PREV MA		165 .1	50 .1	102 .1	218 .2	535 .1
Column Total		184926 35.6	98859 19.0	97170 18.7	138886 26.7	519841 100.0

Number of Missing Observations: 131

RELIGION RELIGION by YEAR YEAR OF CENSUS

YEAR — Page 1 of 1

RELIGION	Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
0				97170 100.0		97170 18.7
1 BUDDHIST		175080 94.7	94003 95.0		131892 95.0	400975 77.1
2 CONFUCIST		304 .2	25 .0		35 .0	364 .1
3 ISLAM		6717 3.6	3807 3.8		5565 4.0	16089 3.1
4 CHRISTAN		2167 1.2	520 .5		832 .6	3519 .7
5 HINDU		38 .0	8 .0		11 .0	57 .0
6 OTHER		238 .1	28 .0		91 .1	357 .1
7 NONE		161 .1	79 .1		77 .1	317 .1
9 UNKNOWN		221 .1	520 .5		383 .3	1124 .2

Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

POB PLACE OF BIRTH by YEAR YEAR OF CENSUS

POB	YEAR Count Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
	0			97170 100.0		97170 18.7
KRABI	1	696 .4	445 .4		77 .1	1218 .2
KANCHANABURI	2	1546 .8	944 1.0		288 .2	2778 .5
KALASIN	3	1770 1.0	1812 1.8		474 .3	4056 .8
KAMPHAENG PHET	4	948 .5	566 .6		210 .2	1724 .3
KHON KAEN	5	4182 2.3	3268 3.3		1117 .8	8567 1.6
CHANTHA BURI	6	1425 .8	610 .6		142 .1	2177 .4
CHCHOENGSAO	7	2624 1.4	1088 1.1		503 .4	4215 .8
CHON BURI	8	2798 1.5	1307 1.3		431 .3	4536 .9
CHAINAT	9	1648 .9	901 .9		291 .2	2840 .5
CHAIYAPHUM	10	2475 1.3	1910 1.9		491 .4	4876 .9
CHUMPHON	11	1121 .6	608 .6		229 .2	1958 .4
CHAING RAI	12	2349 1.3	3163 3.2		690 .5	6202 1.2
CHIANG MAI	13	4085 2.2	2867 2.9		404 .3	7356 1.4
TRANG	14	1523 .8	832 .8		219 .2	2574 .5
TRAT	15	764 .4	192 .2		76 .1	1032 .2
TAK	16	1140 .6	560 .6		106 .1	1806 .3
THON BURI	17	7319 4.0	2552 2.6		212 .2	10083 1.9
NAKHON NAYOK	18	1474 .8	521 .5		278 .2	2273 .4
NAKHON PATHOM	19	3066 1.7	1315 1.3		490 .4	4871 .9
	20	2541	1706		310	4557

NAKHON PHANOM	1.4	1.7		.2	.9
21	6235	4088		1349	11672
NAKHON RATCHASIM	3.4	4.1		1.0	2.2
22	4004	2703		960	7667
NAKHON SI THAMMA	2.2	2.7		.7	1.5
23	2956	2113		835	5904
NAKHON SAWAN	1.6	2.1		.6	1.1
24	1490	696		179	2365
NONTHABURI	.8	.7		.1	.5
25	1157	866		120	2143
NARATHIWAT	.6	.9		.1	.4
26	1201	886		125	2212
NAN	.6	.9		.1	.4
27	2441	2230		640	5311
BURI RAM	1.3	2.3		.5	1.0
28	1631	715		289	2635
PATHUM THANI	.9	.7		.2	.5
29	1014	532		202	1748
PRACHUAP KHIRI K	.5	.5		.1	.3
30	2288	1223		509	4020
PRACHIN BURI	1.2	1.2		.4	.8
31	1333	940		263	2536
PATTANI	.7	.9		.2	.5
32	28857	5151		1357	35365
BANGKOK	15.6	5.2		1.0	6.8
33	4420	1518		850	6788
PRA NAKHON SI AY	2.4	1.5		.6	1.3
34	1057	341		106	1504
PHANGNGA	.6	.3		.1	.3
35	1395	886		271	2552
PHATTHALUNG	.8	.9		.2	.5
36	2042	1298		610	3950
PHICIT	1.1	1.3		.4	.8
37	1890	1229		348	3467
PHITSANULOK	1.0	1.2		.3	.7
38	2016	844		262	3122
PETCHABURI	1.1	.9		.2	.6
39	1002	1237		349	2588
PETCHABUN	.5	1.2		.3	.5
40	1761	1139		247	3147
PHRAE	1.0	1.2		.2	.6
41	1228	289		78	1595
PHUKET	.7	.3		.1	.3
42	3046	1952		567	5565
MAHA SARAKAM	1.6	2.0		.4	1.1
43	1099	290		17	1406
MAE HONG SON	.6	.3		.0	.3
44	1091	437		134	1662
YALA	.6	.4		.1	.3
45	3555	2379		812	6746

ROI ET		1.9	2.4		.6	1.3
	46	707	123		36	866
RANONG		.4	.1		.0	.2
	47	693	575		153	1421
RAYONG		.4	.6		.1	.3
	48	3572	1464		591	5627
RATCHABURI		1.9	1.5		.4	1.1
	49	1788	1213		516	3517
LOP BURI		1.0	1.2		.4	.7
	50	2560	1692		395	4647
LAMPANG		1.4	1.7		.3	.9
	51	1567	1049		197	2813
LAM PHUN		.8	1.1		.1	.5
	52	1612	877		169	2658
LOEI		.9	.9		.1	.5
	53	2685	2355		461	5501
SI SA KET		1.5	2.4		.3	1.1
	54	2184	1691		350	4225
SAKON NAKHON		1.2	1.7		.3	.8
	55	3413	1756		470	5639
SONGKHALA		1.8	1.8		.3	1.1
	56	826	262		51	1139
SATUN		.4	.3		.0	.2
	57	1959	846		225	3030
SAMUT PRAKAN		1.1	.9		.2	.6
	58	1527	431		206	2164
SAMUT SONGKHRAM		.8	.4		.1	.4
	59	1943	536		203	2682
SAMUT SAKHON		1.1	.5		.1	.5
	60	2052	967		372	3391
SARABURI		1.1	1.0		.3	.7
	61	1524	591		218	2333
SING BURI		.8	.6		.2	.4
	62	1697	1214		303	3214
SUKHOTHAI		.9	1.2		.2	.6
	63	3246	1920		647	5813
SUPHAN BURI		1.8	1.9		.5	1.1
	64	2341	1064		335	3740
SURAT THANI		1.3	1.1		.2	.7
	65	2846	2245		598	5689
SURIN		1.5	2.3		.4	1.1
	66	1323	1050		330	2703
NONG KAI		.7	1.1		.2	.5
	67	1694	710		290	2694
ANG THONG		.9	.7		.2	.5
	68	2735	2874		841	6450
UDON THANI		1.5	2.9		.6	1.2
	69	1209	983		192	2384
UTTARADIT		.7	1.0		.1	.5
	70	1082	581		167	1830

UTHAI THANI	.6	.6		.1	.4
71	6057	4344		1413	11814
UBON RATCHATHANI	3.3	4.4		1.0	2.3
78				109524	109524
SAME PROVINCE				78.9	21.1
79	1019	956		466	2441
OTHER PROVINCE	.6	1.0		.3	.5
81	3336	270		292	3898
ABROAD	1.8	.3		.2	.7
99	26	1202		358	1586
UNKNOWN	.0	1.2		.3	.3
Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

EDUC HIGHEST GRADE COMPLETED by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

EDUC	1970.00	1980.00	1985.00	1990.00	Row Total
1	27613	8479		6834	42926
NO SCHOOLING	14.9	8.6		4.9	8.3
2	11966	4712	3214	2805	22697
LESS THAN PRIMAR	6.5	4.8	3.3	2.0	4.4
3	96725	65338	47681	60473	270217
PRIMARY (4 YEARS	52.3	66.0	49.1	43.5	52.0
4	39927	16991	31424	29151	117493
SECONDARY	21.6	17.2	32.3	21.0	22.6
5	4669	3089	8039	31510	47307
TERTIARY	2.5	3.1	8.3	22.7	9.1
9	4026	340	6812	8113	19291
OTHER,UNKOWN	2.2	.3	7.0	5.8	3.7
Column Total	184926 35.6	98949 19.0	97170 18.7	138886 26.7	519931 100.0

Number of Missing Observations: 41

HEDUC HUSBANDS HIGHEST GRADE COMPLETED by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

HEDUC	1970.00	1980.00	1985.00	1990.00	Row Total
1	13117	4116		3193	20426
NO SCHOOLING	13.5	7.3		2.3	5.2
2	6714	2822	1862	1743	13141
LESS THAN PRIMAR	6.9	5.0	1.9	1.3	3.4
3	50054	39953	30533	44536	165076
PRIMARY (4 YEARS	51.4	71.3	31.4	32.1	42.4
4	20026	7095	12702	8916	48739
SECONDARY	20.5	12.7	13.1	6.4	12.5

5	3347	1646	3532	15429	23954
TERTIARY	3.4	2.9	3.6	11.1	6.1
9	4194	390	48541	65069	118194
OTHER,UNKOWN	4.3	.7	50.0	46.9	30.3
Column Total	97452 25.0	56022 14.4	97170 24.9	138886 35.7	389530 100.0

Number of Missing Observations: 130442

PREVPROV PREVIOUS PROVINCE by YEAR YEAR OF CENSUS

PREVPROV	YEAR 1970.00	1980.00	1985.00	1990.00	Row Total
0	7565		97170		104735
	22.8		100.0		68.9
1	46	13		43	102
KRABI	.1	.2		.3	.1
2	171	49		109	329
KANCHANABURI	.5	.6		.8	.2
3	196	85		142	423
KALASIN	.6	1.0		1.1	.3
4	112	31		91	234
KAMPHAENG PHET	.3	.4		.7	.2
5	502	113		307	922
KHON KAEN	1.5	1.3		2.3	.6
6	91	28		43	162
CHANTHA BURI	.3	.3		.3	.1
7	445	43		98	586
CHCHOENGSAO	1.3	.5		.7	.4
8	370	70		111	551
CHON BURI	1.1	.8		.8	.4
9	136	35		48	219
CHAINAT	.4	.4		.4	.1
10	196	66		148	410
CHAIYAPHUM	.6	.8		1.1	.3
11	227	45		63	335
CHUMPHON	.7	.5		.5	.2
12	290	75		220	585
CHAING RAI	.9	.9		1.7	.4
13	311	72		139	522
CHIANG MAI	.9	.9		1.1	.3
14	195	32		65	292
TRANG	.6	.4		.5	.2
15	49	10		35	94
TRAT	.1	.1		.3	.1
16	74	12		52	138
TAK	.2	.1		.4	.1
17	662	28		172	862
THON BURI	2.0	.3		1.3	.6
18	199	58		50	307

NAKHON NAYOK	.6	.7		.4	.2
19	453	35		98	586
NAKHON PATHOM	1.4	.4		.7	.4
20	124	167		121	412
NAKHON PHANOM	.4	2.0		.9	.3
21	814	120		369	1303
NAKHON RATCHASIM	2.5	1.4		2.8	.9
22	623	117		263	1003
NAKHON SI THAMMA	1.9	1.4		2.0	.7
23	413	42		166	621
NAKHON SAWAN	1.2	.5		1.3	.4
24	239	18		80	337
NONTHABURI	.7	.2		.6	.2
25	95	14		35	144
NARATHIWAT	.3	.2		.3	.1
26	65	71		51	187
NAN	.2	.8		.4	.1
27	252	46		229	527
BURI RAM	.8	.5		1.7	.3
28	259	38		59	356
PATHUM THANI	.8	.5		.4	.2
29	160	49		65	274
PRACHUAP KHIRI K	.5	.6		.5	.2
30	254	70		154	478
PRACHIN BURI	.8	.8		1.2	.3
31	123	101		53	277
PATTANI	.4	1.2		.4	.2
32	3182	16		689	3887
BANGKOK	9.6	.2		5.2	2.6
33	767	31		132	930
PRA NAKHON SI AY	2.3	.4		1.0	.6
34	75	48		43	166
PHANGNGA	.2	.6		.3	.1
35	166	78		82	326
PHATTHALUNG	.5	.9		.6	.2
36	277	49		163	489
PHICIT	.8	.6		1.2	.3
37	289	35		108	432
PHITSANULOK	.9	.4		.8	.3
38	268	61		60	389
PETCHABURI	.8	.7		.5	.3
39	156	26		129	311
PETCHABUN	.5	.3		1.0	.2
40	154	14		70	238
PHRAE	.5	.2		.5	.2
41	83	49		23	155
PHUKET	.2	.6		.2	.1
42	285	2		155	442
MAHA SARAKAM	.9	.0		1.2	.3
43	17	53		5	75

MAE HONG SON	.1	.6		.0	.0
44	137	27		38	202
YALA	.4	.3		.3	.1
45	586	104		251	941
ROI ET	1.8	1.2		1.9	.6
46	50	9		14	73
RANONG	.2	.1		.1	.0
47	123	54		46	223
RAYONG	.4	.6		.3	.1
48	522	96		135	753
RATCHABURI	1.6	1.1		1.0	.5
49	322	90		141	553
LOP BURI	1.0	1.1		1.1	.4
50	276	46		94	416
LAMPANG	.8	.5		.7	.3
51	142	33		51	226
LAM PHUN	.4	.4		.4	.1
52	57	34		62	153
LOEI	.2	.4		.5	.1
53	288	72		190	550
SI SA KET	.9	.9		1.4	.4
54	172	59		111	342
SAKON NAKHON	.5	.7		.8	.2
55	559	81		133	773
SONGKHALA	1.7	1.0		1.0	.5
56	32	19		22	73
SATUN	.1	.2		.2	.0
57	255	49		110	414
SAMUT PRAKAN	.8	.6		.8	.3
58	212	37		39	288
SAMUT SONGKHRAM	.6	.4		.3	.2
59	199	26		46	271
SAMUT SAKHON	.6	.3		.3	.2
60	307	70		95	472
SARABURI	.9	.8		.7	.3
61	149	28		46	223
SING BURI	.4	.3		.3	.1
62	195	29		97	321
SUKHOTHAI	.6	.3		.7	.2
63	460	112		136	708
SUPHAN BURI	1.4	1.3		1.0	.5
64	249	44		100	393
SURAT THANI	.7	.5		.8	.3
65	321	75		218	614
SURIN	1.0	.9		1.7	.4
66	151	49		144	344
NONG KAI	.5	.6		1.1	.2
67	278	46		55	379
ANG THONG	.8	.5		.4	.2
68	369	125		275	769

UDON THANI	1.1	1.5	2.1	.5
69	141	29	61	231
UTTARADIT	.4	.3	.5	.2
70	82	41	43	166
UTHAI THANI	.2	.5	.3	.1
71	810	163	483	1456
UBON RATCHATHANI	2.4	1.9	3.7	1.0
72		420		420
		5.0		.3
78		3366	3576	6942
SAME PROVINCE		40.0	27.1	4.6
79	3994	400	515	4909
OTHER PROVINCE	12.0	4.8	3.9	3.2
81	293	59	61	413
ABROAD	.9	.7	.5	.3
99	45	309	462	816
UNKNOWN	.1	3.7	3.5	.5
Column Total	33206 21.8	8416 5.5	97170 63.9	13188 8.7	151980 100.0

Number of Missing Observations: 367992

PREVMUN PREVIOUS MUNICIPALITY by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

PREVMUN	Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
0				97170		97170
NO DATA				100.0		64.1
1		17865	5330		4172	27367
RURAL		53.8	66.2		31.8	18.1
2		11078	2176		7790	21044
URBAN		33.4	27.0		59.3	13.9
9		4263	542		1165	5970
UNKNOWN		12.8	6.7		8.9	3.9
Column Total		33206 21.9	8048 5.3	97170 64.1	13127 8.7	151551 100.0

Number of Missing Observations: 368421

LIVELOC TIME LIVED IN LOCALITY by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

LIVELOC	Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
0		6680	1959		2620	11259
LESS THAN 1 YEAR		3.6	2.0		1.9	2.2
1		8714	1640	81513	2368	94235
1-1.9 YEARS		4.7	1.7	98.3	1.7	18.6
2		7035	1898	1013	2911	12857
2-2.9 YEARS		3.8	1.9	1.2	2.1	2.5

3	6324	1761	434	2571	11090
3-3.9 YEARS	3.4	1.8	.5	1.9	2.2
4	4453	1158		1465	7076
4-4.9 YEARS	2.4	1.2		1.1	1.4
5	20478	8809		13180	42467
5-9.9 YEARS	11.1	8.9		9.5	8.4
6	15955	8192		11429	35576
10-14.9 YEARS	8.6	8.3		8.2	7.0
7	35695	19576		21265	76536
15-19.9 YEARS	19.3	19.8		15.3	15.1
8	79570	49242		64989	193801
20 YEARS AND OVE	43.0	49.8		46.8	38.3
9	22	4714		2078	6814
UNKNOWN	.0	4.8		1.5	1.3
97				1253	1253
LESS THAN 5 YRS				.9	.2
98				12757	12757
MORE THAN 5 YRS				9.2	2.5
Column Total	184926 36.6	98949 19.6	82960 16.4	138886 27.5	505721 100.0

Number of Missing Observations: 14251
Note: For 1985, 1 refers to permanent resident, 2 refers to temporarily away, 3 refers to temporary resident.

HOCC HUSBANDS LAST WEEK OCCUPATION by YEAR YEAR OF CENSUS

Page 1 of 1

HOCC / YEAR (Count / Col Pct)	1970.00	1980.00	1985.00	1990.00	Row Total
0	3889	1614	97170	4190	106863
PROFESSIONAL, TE	4.0	2.9	100.0	5.4	32.6
1	6334	1351		2966	10651
ADMINISTRATIVE,	6.5	2.4		3.8	3.2
2	4671	969		2363	8003
CLERICAL WORKERS	4.8	1.7		3.1	2.4
3	11772	3489		6316	21577
SALES WORKERS	12.1	6.2		8.2	6.6
4	17445	16781		21253	55479
AGRICULTURAL WOR	17.9	30.0		27.5	16.9
5	213	177		103	493
MINERS, QUARRYME	.2	.3		.1	.2
6	7831	2668		4401	14900
TRANSPORT EQUIP	8.0	4.8		5.7	4.5
7	19147	8748		12203	40098
CRAFTSMEN, LABOR	19.7	15.6		15.8	12.2
8	7254	1753		2638	11645
SERVICE WORKERS	7.5	3.1		3.4	3.6
9	171	80		148	399
NOT CLASSIFIED	.2	.1		.2	.1
10	18604	17943		19962	56509
NOT WORKING	19.1	32.0		25.8	17.2

11		449		806	1255
UNKNOWN		.8		1.0	.4
Column Total	97331 29.7	56022 17.1	97170 29.6	77349 23.6	327872 100.0

Number of Missing Observations: 192100

HUSOCC HUSBANDS USUAL OCCUPATION by YEAR YEAR OF CENSUS

HUSOCC / Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
0 PROFESSIONAL, TE	3945 4.1	1771 3.2	2535 5.0	4295 5.6	12546 4.5
1 ADMINISTRATIVE,	6364 6.5	1269 2.3	1412 2.8	3021 3.9	12066 4.3
2 CLERICAL WORKERS	4718 4.8	981 1.8	2228 4.4	2377 3.1	10304 3.7
3 SALES WORKERS	11158 11.5	2906 5.2	5861 11.5	5887 7.6	25812 9.2
4 AGRICULTURAL WOR	37017 38.0	38123 68.1	21153 41.3	42363 54.8	138656 49.2
5 MINERS, QUARRYME	208 .2	137 .2	52 .1	95 .1	492 .2
6 TRANSPORT EQUIP	7587 7.8	2246 4.0	4865 9.5	4180 5.4	18878 6.7
7 CRAFTSMEN, LABOR	16169 16.6	5881 10.5	9144 17.9	10525 13.6	41719 14.8
8 SERVICE WORKERS	7191 7.4	1724 3.1	2666 5.2	2641 3.4	14222 5.0
9 NOT CLASSIFIED	91 .1	72 .1	10 .0	174 .2	347 .1
10 NOT WORKING	2906 3.0	862 1.5	1195 2.3	1549 2.0	6512 2.3
11 UNKNOWN		50 .1	42 .1	252 .3	344 .1
Column Total	97354 34.5	56022 19.9	51163 18.1	77359 27.4	281898 100.0

Number of Missing Observations: 238074

WKSTAT by YEAR YEAR OF CENSUS

WKSTAT / Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
1 EMPLOYER	410 .4	40 .1	431 .6	656 .6	1537 .4
2 SELF-EMPLOYED	19557 17.3	9263 11.8	10857 15.2	14459 13.5	54136 14.6

	3	9206	3572	6535	8273	27586
GOVERNMENT EMPLO		8.1	4.5	9.1	7.7	7.4
	4	24150	8973	17033	23523	73679
PRIVATE EMPLOYEE		21.4	11.4	23.8	22.0	19.9
	5	58602	56738	35668	59136	210144
FAMILY WORKER		51.8	72.0	49.9	55.3	56.7
	9	1124	218	978	929	3249
UNKNOWN		1.0	.3	1.4	.9	.9
	Column Total	113049 30.5	78804 21.3	71502 19.3	106976 28.9	370331 100.0

Number of Missing Observations: 149641

HWKSTAT HUSBANDS WORK STATUS by YEAR YEAR OF CENSUS

HWKSTAT	YEAR	1970.00	1980.00	1985.00	1990.00	Row Total
	1	2059	180	1431	1665	5335
EMPLOYER		2.2	.3	2.9	2.2	1.9
	2	46639	35131	23523	38548	143841
SELF-EMPLOYED		49.4	63.7	46.9	51.0	52.2
	3	17339	5459	7705	10456	40959
GOVERNMENT EMPLO		18.4	9.9	15.4	13.8	14.9
	4	21605	7785	12526	15833	57749
PRIVATE EMPLOYEE		22.9	14.1	25.0	21.0	21.0
	5	6197	6512	4627	8836	26172
FAMILY WORKER		6.6	11.8	9.2	11.7	9.5
	9	609	93	344	220	1266
UNKNOWN		.6	.2	.7	.3	.5
	Column Total	94448 34.3	55160 20.0	50156 18.2	75558 27.4	275322 100.0

Number of Missing Observations: 244650

CEB CHILDREN-EVER-BORN by YEAR YEAR OF CENSUS

CEB	YEAR	1970.00	1980.00	1985.00	1990.00	Row Total
	0	6150	5478	8138	9365	29131
		5.3	8.6	13.0	10.4	8.8
	1	16811	10242	13434	19968	60455
		14.5	16.0	21.5	22.1	18.2
	2	16786	11421	14166	24285	66658
		14.5	17.9	22.7	26.9	20.0
	3	14898	9284	9833	15151	49166
		12.8	14.5	15.7	16.8	14.8
	4	13743	7543	6158	7981	35425
		11.8	11.8	9.9	8.8	10.6
	5	11378	5485	3709	3902	24474

	9.8	8.6	5.9	4.3	7.4
6	8786	3940	2354	2093	17173
	7.6	6.2	3.8	2.3	5.2
7	6663	2687	1493	964	11807
	5.7	4.2	2.4	1.1	3.5
8	4889	1751	905	562	8107
	4.2	2.7	1.4	.6	2.4
9	3250	997	541	245	5033
	2.8	1.6	.9	.3	1.5
10	2220	584	302	149	3255
	1.9	.9	.5	.2	1.0
11	1188	317	161	38	1704
	1.0	.5	.3	.0	.5
12	813	228	110	32	1183
	.7	.4	.2	.0	.4
13	352	76	51	16	495
	.3	.1	.1	.0	.1
14	194	60	16	7	277
	.2	.1	.0	.0	.1
15	100	37	15	1	153
	.1	.1	.0	.0	.0
16	42	27	7	4	80
	.0	.0	.0	.0	.0
17	28	6	9		43
	.0	.0	.0		.0
18	8	6	1		15
	.0	.0	.0		.0
19	1	3	2		6
	.0	.0	.0		.0
20	5		6		11
	.0		.0		.0
21	2		2		4
	.0		.0		.0
22		1	3		4
		.0	.0		.0
23	1	2			3
	.0	.0			.0
24		1	1		2
		.0	.0		.0
27		2	1		3
		.0	.0		.0
29		1			1
		.0			.0
99	7670	3795	1062	5652	18179
UNKNOWN	6.6	5.9	1.7	6.3	5.5
Column	115978	63974	62480	90415	332847
Total	34.8	19.2	18.8	27.2	100.0

Number of Missing Observations: 187125

MATCH by YEAR YEAR OF CENSUS

MATCH	YEAR 1970.00	1980.00	1985.00	1990.00	Row Total
0 NO HUSBAND MATCH	87474	42968	45819	61527	237788
	47.3	43.4	47.2	44.3	45.7
1 HUSBAND MATCH	97452	56022	51351	77359	282184
	52.7	56.6	52.8	55.7	54.3
Column Total	184926	98990	97170	138886	519972
	35.6	19.0	18.7	26.7	100.0

Number of Missing Observations: 0

OWN OWN-CHILDREN AGED 0-2 by YEAR YEAR OF CENSUS

OWN	YEAR 1970.00	1980.00	1985.00	1990.00	Row Total
.00	164900	90926	91129	132431	479386
	89.2	91.9	93.8	95.4	92.2
1.00	19801	8001	5964	6372	40138
	10.7	8.1	6.1	4.6	7.7
2.00	223	63	76	83	445
	.1	.1	.1	.1	.1
3.00	2		1		3
	.0		.0		.0
Column Total	184926	98990	97170	138886	519972
	35.6	19.0	18.7	26.7	100.0

Number of Missing Observations: 0

NKIDS NUMBER OF MATCHED CHILDREN by YEAR YEAR OF CENSUS

NKIDS	YEAR 1970.00	1980.00	1985.00	1990.00	Row Total
0	120648	69285	71387	110165	371485
	65.2	70.0	73.5	79.3	71.4
1	33056	20724	19014	23861	96655
	17.9	20.9	19.6	17.2	18.6
2	24399	8097	6035	4568	43099
	13.2	8.2	6.2	3.3	8.3
3	6165	846	688	279	7978
	3.3	.9	.7	.2	1.5
4	603	35	45	12	695
	.3	.0	.0	.0	.1
5	46	3	1	1	51
	.0	.0	.0	.0	.0
6	8				8
	.0				.0

	7	1			1
		.0			.0
	Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

NUKIDS NUMBER OF UNMATCHED CHILDREN by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

NUKIDS	Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
	0	111315	63539	56740	92034	323628
		95.5	95.8	91.2	96.8	95.1
	1	3735	2295	4833	2692	13555
		3.2	3.5	7.8	2.8	4.0
	2	1156	442	570	348	2516
		1.0	.7	.9	.4	.7
	3	290	62	57	43	452
		.2	.1	.1	.0	.1
	4	54	3	8	5	70
		.0	.0	.0	.0	.0
	5	11	3	1	2	17
		.0	.0	.0	.0	.0
	6	5		1		6
		.0		.0		.0
	7	2				2
		.0				.0
	Column Total	116568 34.3	66344 19.5	62210 18.3	95124 28.0	340246 100.0

Number of Missing Observations: 179726

C1 AGE OF IST MATCHED CHILD by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

C1	Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
	0	13536	3831	5139	4992	27498
		21.1	12.9	19.9	17.4	18.5
	1	12691	4311	4156	4627	25785
		19.7	14.5	16.1	16.1	17.4
	2	12404	5821	4668	5403	28296
		19.3	19.6	18.1	18.8	19.1
	3	12910	7470	5693	6541	32614
		20.1	25.1	22.1	22.8	22.0
	4	12737	8272	6127	7158	34294
		19.8	27.8	23.8	24.9	23.1
	Column Total	64278 43.3	29705 20.0	25783 17.4	28721 19.3	148487 100.0

Number of Missing Observations: 371485

C2 AGE OF 2ND MATCHED CHILD by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
C2 0	6524	2967	2765	1764	14020
	20.9	33.0	40.8	36.3	27.0
C2 1	6368	2830	1819	1385	12402
	20.4	31.5	26.9	28.5	23.9
C2 2	6337	2204	1391	1093	11025
	20.3	24.5	20.5	22.5	21.3
C2 3	6081	860	652	492	8085
	19.5	9.6	9.6	10.1	15.6
C2 4	5912	120	142	126	6300
	18.9	1.3	2.1	2.6	12.2
Column Total	31222	8981	6769	4860	51832
	60.2	17.3	13.1	9.4	100.0

Number of Missing Observations: 468140

C3 AGE OF 3RD MATCHED CHILD by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
C3 0	1696	515	497	146	2854
	24.9	58.3	67.7	50.0	32.7
C3 1	1066	250	152	84	1552
	15.6	28.3	20.7	28.8	17.8
C3 2	1382	98	57	40	1577
	20.3	11.1	7.8	13.7	18.1
C3 3	1072	15	21	15	1123
	15.7	1.7	2.9	5.1	12.9
C3 4	1607	6	7	7	1627
	23.6	.7	1.0	2.4	18.6
Column Total	6823	884	734	292	8733
	78.1	10.1	8.4	3.3	100.0

Number of Missing Observations: 511239

C4 AGE OF 4TH MATCHED CHILD by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
C4 0	134	23	30	7	194
	20.4	60.5	65.2	53.8	25.7
C4 1	112	11	10	4	137
	17.0	28.9	21.7	30.8	18.1
C4 2	115	4	3	2	124

```
                |  17.5  |  10.5  |   6.5  |  15.4  |  16.4
                +--------+--------+--------+--------+
              3 |   128  |        |     2  |        |   130
                |  19.5  |        |   4.3  |        |  17.2
                +--------+--------+--------+--------+
              4 |   169  |        |     1  |        |   170
                |  25.7  |        |   2.2  |        |  22.5
                +--------+--------+--------+--------+
         Column     658       38       46       13      755
          Total    87.2      5.0      6.1      1.7    100.0
```

Number of Missing Observations: 519217

C5 AGE OF 5TH MATCHED CHILD by YEAR YEAR OF CENSUS

```
                 YEAR                          Page 1 of 1
          Count  |
        Col Pct  |
                 |                                    Row
                 | 1970.00| 1980.00| 1985.00| 1990.00| Total
C5      --------+--------+--------+--------+--------+
              0  |     9  |     2  |     1  |     1  |    13
                 |  16.4  |  66.7  | 100.0  | 100.0  |  21.7
                 +--------+--------+--------+--------+
              1  |     8  |     1  |        |        |     9
                 |  14.5  |  33.3  |        |        |  15.0
                 +--------+--------+--------+--------+
              2  |    15  |        |        |        |    15
                 |  27.3  |        |        |        |  25.0
                 +--------+--------+--------+--------+
              3  |    10  |        |        |        |    10
                 |  18.2  |        |        |        |  16.7
                 +--------+--------+--------+--------+
              4  |    13  |        |        |        |    13
                 |  23.6  |        |        |        |  21.7
                 +--------+--------+--------+--------+
          Column      55        3        1        1       60
           Total    91.7      5.0      1.7      1.7    100.0
```

Number of Missing Observations: 519912

C6 AGE OF 6TH MATCHED CHILD by YEAR YEAR OF CENSUS

```
                 YEAR        Page 1 of 1
          Count  |
        Col Pct  |
                 |           Row
                 | 1970.00| Total
C6      --------+--------+
              0  |     2  |     2
                 |  22.2  |  22.2
                 +--------+
              1  |     3  |     3
                 |  33.3  |  33.3
                 +--------+
              3  |     3  |     3
                 |  33.3  |  33.3
                 +--------+
              4  |     1  |     1
                 |  11.1  |  11.1
                 +--------+
          Column       9        9
           Total   100.0    100.0
```

Number of Missing Observations: 519963

C7 AGE OF 7TH MATCHED CHILD by YEAR YEAR OF CENSUS

```
                 YEAR        Page 1 of 1
          Count  |
        Col Pct  |
                 |           Row
```

```
                  | 1970.00| Total
C7         --------+--------+
                4 |      1 |      1
                  |  100.0 |  100.0
                  +--------+
            Column        1         1
             Total    100.0     100.0

Number of Missing Observations:  519971
```

UC1 AGE OF IST UNMATCHED CHILD by YEAR YEAR OF CENSUS

```
                    YEAR                            Page 1 of 1
             Count  |
            Col Pct |
                    |                                      Row
                    | 1970.00| 1980.00| 1985.00| 1990.00| Total
UC1         --------+--------+--------+--------+--------+
                0   |   1082 |    428 |   3342 |    583 |   5435
                    |   20.6 |   15.3 |   61.1 |   18.9 |   32.7
                    +--------+--------+--------+--------+
                1   |    977 |    505 |    471 |    562 |   2515
                    |   18.6 |   18.0 |    8.6 |   18.2 |   15.1
                    +--------+--------+--------+--------+
                2   |    949 |    595 |    466 |    598 |   2608
                    |   18.1 |   21.2 |    8.5 |   19.4 |   15.7
                    +--------+--------+--------+--------+
                3   |   1074 |    611 |    559 |    619 |   2863
                    |   20.4 |   21.8 |   10.2 |   20.0 |   17.2
                    +--------+--------+--------+--------+
                4   |   1171 |    666 |    632 |    728 |   3197
                    |   22.3 |   23.7 |   11.6 |   23.6 |   19.2
                    +--------+--------+--------+--------+
             Column    5253      2805      5470      3090     16618
              Total    31.6      16.9      32.9      18.6     100.0

Number of Missing Observations:  503354
```

UC2 AGE OF 2ND UNMATCHED CHILD by YEAR YEAR OF CENSUS

```
                    YEAR                            Page 1 of 1
             Count  |
            Col Pct |
                    |                                      Row
                    | 1970.00| 1980.00| 1985.00| 1990.00| Total
UC2         --------+--------+--------+--------+--------+
                0   |    290 |    151 |    332 |    136 |    909
                    |   19.1 |   29.6 |   52.1 |   34.2 |   29.7
                    +--------+--------+--------+--------+
                1   |    350 |    146 |    113 |    104 |    713
                    |   23.1 |   28.6 |   17.7 |   26.1 |   23.3
                    +--------+--------+--------+--------+
                2   |    309 |    126 |     87 |     78 |    600
                    |   20.4 |   24.7 |   13.7 |   19.6 |   19.6
                    +--------+--------+--------+--------+
                3   |    304 |     66 |     72 |     57 |    499
                    |   20.0 |   12.9 |   11.3 |   14.3 |   16.3
                    +--------+--------+--------+--------+
                4   |    265 |     21 |     33 |     23 |    342
                    |   17.5 |    4.1 |    5.2 |    5.8 |   11.2
                    +--------+--------+--------+--------+
             Column    1518       510       637       398      3063
              Total    49.6      16.7      20.8      13.0     100.0

Number of Missing Observations:  516909
```

UC3 AGE OF 3RD UNMATCHED CHILD by YEAR YEAR OF CENSUS

```
                    YEAR                            Page 1 of 1
             Count  |
            Col Pct |
```

UC3	1970.00	1980.00	1985.00	1990.00	Row Total
0	82	27	45	24	178
	22.7	39.7	67.2	48.0	32.5
1	52	25	5	11	93
	14.4	36.8	7.5	22.0	17.0
2	62	12	6	11	91
	17.1	17.6	9.0	22.0	16.6
3	83	4	6	3	96
	22.9	5.9	9.0	6.0	17.6
4	83		5	1	89
	22.9		7.5	2.0	16.3
Column Total	362 66.2	68 12.4	67 12.2	50 9.1	547 100.0

Number of Missing Observations: 519425

UC4 AGE OF 4TH UNMATCHED CHILD by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

Count
Col Pct

UC4	1970.00	1980.00	1985.00	1990.00	Row Total
0	15	1	5	3	24
	20.8	16.7	50.0	42.9	25.3
1	18		2	3	23
	25.0		20.0	42.9	24.2
2	8	4	3		15
	11.1	66.7	30.0		15.8
3	8			1	9
	11.1			14.3	9.5
4	23	1			24
	31.9	16.7			25.3
Column Total	72 75.8	6 6.3	10 10.5	7 7.4	95 100.0

Number of Missing Observations: 519877

UC5 AGE OF 5TH UNMATCHED CHILD by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

Count
Col Pct

UC5	1970.00	1980.00	1985.00	1990.00	Row Total
0	5	1	2	1	9
	27.8	33.3	100.0	50.0	36.0
1	5	1			6
	27.8	33.3			24.0
2	3			1	4
	16.7			50.0	16.0
3	4	1			5
	22.2	33.3			20.0
4	1				1
	5.6				4.0

```
                +--------+--------+--------+--------+
          Column      18        3        2        2       25
           Total    72.0     12.0      8.0      8.0    100.0
```

Number of Missing Observations: 519947

UC6 AGE OF 6TH UNMATCHED CHILD by YEAR YEAR OF CENSUS

```
                    YEAR         Page 1 of 1
           Count  |
          Col Pct |
                  |                    Row
                  | 1970.00| 1985.00| Total
UC6       --------+--------+--------+
               0  |     1  |     1  |     2
                  |  14.3  | 100.0  |  25.0
                  +--------+--------+
               1  |     1  |        |     1
                  |  14.3  |        |  12.5
                  +--------+--------+
               2  |     1  |        |     1
                  |  14.3  |        |  12.5
                  +--------+--------+
               3  |     2  |        |     2
                  |  28.6  |        |  25.0
                  +--------+--------+
               4  |     2  |        |     2
                  |  28.6  |        |  25.0
                  +--------+--------+
           Column       7        1        8
            Total    87.5     12.5    100.0
```

Number of Missing Observations: 519964

UC7 AGE OF 7TH UNMATCHED CHILD by YEAR YEAR OF CENSUS

```
                    YEAR        Page 1 of 1
           Count  |
          Col Pct |
                  |           Row
                  | 1970.00| Total
UC7       --------+--------+
               4  |     2  |     2
                  | 100.0  | 100.0
                  +--------+
           Column       2        2
            Total   100.0    100.0
```

Number of Missing Observations: 519970

WEIGHT INDIVIDUAL WEIGHT by YEAR YEAR OF CENSUS

```
                    YEAR                           Page 1 of 1
           Count  |
          Col Pct |
                  |                                      Row
                  | 1970.00| 1980.00| 1985.00| 1990.00| Total
WEIGHT    --------+--------+--------+--------+--------+
            1.00  |123639  |        |        |        |123639
  .02 - .49       |  66.9  |        |        |        |  23.8
                  +--------+--------+--------+--------+
            2.00  |   205  | 54830  |        | 48483  |103518
  .50 - .99       |    .1  |  55.4  |        |  34.9  |  19.9
                  +--------+--------+--------+--------+
            3.00  |   169  | 44160  | 97170  | 90403  |231902
  1.0 - 1.49      |    .1  |  44.6  | 100.0  |  65.1  |  44.6
                  +--------+--------+--------+--------+
            4.00  |   761  |        |        |        |   761
  1.5 - 1.99      |    .4  |        |        |        |    .1
                  +--------+--------+--------+--------+
            5.00  | 35964  |        |        |        | 35964
  2.0 - 2.49      |  19.4  |        |        |        |   6.9
                  +--------+--------+--------+--------+
```

6.00	22154				22154
2.5 - 2.99	12.0				4.3
7.00	1645				1645
3.0 - 3.49	.9				.3
8.00	276				276
3.5 - 3.99	.1				.1
9.00	113				113
4.0 - 4.49	.1				.0
Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

AGEMAR AGE AT FIRST MARRIAGE by YEAR YEAR OF CENSUS

AGEMAR / YEAR	1970.00	1980.00	1985.00	1990.00	Row Total
.00	184926		97170	138886	420982
	100.0		100.0	100.0	86.8
13.00		333			333
		.5			.1
14.00		1001			1001
		1.6			.2
15.00		2382			2382
		3.7			.5
16.00		4438			4438
		6.9			.9
17.00		7209			7209
		11.3			1.5
18.00		7996			7996
		12.5			1.6
19.00		8522			8522
		13.3			1.8
20.00		7165			7165
		11.2			1.5
21.00		4861			4861
		7.6			1.0
22.00		3816			3816
		6.0			.8
23.00		2784			2784
		4.4			.6
24.00		2637			2637
		4.1			.5
25.00		1871			1871
		2.9			.4
26.00		1078			1078
		1.7			.2
27.00		856			856
		1.3			.2
28.00		691			691

	1.1			.1
29.00	589			589
	.9			.1
30.00	376			376
	.6			.1
31.00	215			215
	.3			.0
32.00	152			152
	.2			.0
33.00	95			95
	.1			.0
34.00	117			117
	.2			.0
35.00	83			83
	.1			.0
36.00	54			54
	.1			.0
37.00	55			55
	.1			.0
38.00	37			37
	.1			.0
39.00	31			31
	.0			.0
40.00	20			20
	.0			.0
41.00	14			14
	.0			.0
42.00	13			13
	.0			.0
43.00	8			8
	.0			.0
44.00	12			12
	.0			.0
45.00	7			7
	.0			.0
47.00	4			4
	.0			.0
48.00	2			2
	.0			.0
49.00	3			3
	.0			.0
50.00	3			3
	.0			.0
51.00	3			3
	.0			.0
52.00	2			2
	.0			.0
53.00	2			2
	.0			.0
54.00	3			3

	.0			.0
55.00	1			1
	.0			.0
56.00	1			1
	.0			.0
57.00	3			3
	.0			.0
59.00	2			2
	.0			.0
61.00	1			1
	.0			.0
62.00	1			1
	.0			.0
64.00	1			1
	.0			.0
67.00	3			3
	.0			.0
72.00	1			1
	.0			.0
73.00	1			1
	.0			.0
74.00	2			2
	.0			.0
77.00	2			2
	.0			.0
79.00	1			1
	.0			.0
81.00	1			1
	.0			.0
83.00	1			1
	.0			.0
90.00	1			1
	.0			.0
99.00	4411			4411
	6.9			.9
Column Total	184926 38.1	63974 13.2	97170 20.0	138886 28.6	484956 100.0

Number of Missing Observations: 35016

YEAR YEAR OF CENSUS by YEAR YEAR OF CENSUS

YEAR	Count / Col Pct	YEAR 1970.00	YEAR 1980.00	YEAR 1985.00	YEAR 1990.00	Row Total
1970.00		184926				184926
		100.0				35.6
1980.00			98990			98990
			100.0			19.0
1985.00				97170		97170
				100.0		18.7
1990.00					138886	138886
					100.0	26.7
Column Total		184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

IM INFANT MORTALITY by YEAR YEAR OF CENSUS

IM	Count / Col Pct	YEAR 1970.00	YEAR 1980.00	YEAR 1985.00	Row Total
1.00		24426			24426
.10-.19		13.2			6.4
2.00		11835	18483	26320	56638
.20-.29		6.4	18.7	27.1	14.9
3.00		54845	21796	25087	101728
.30-.39		29.7	22.0	25.8	26.7
4.00		19262	33965	27133	80360
.40-.49		10.4	34.3	27.9	21.1
5.00		10120	19400	16158	45678
.50-.59		5.5	19.6	16.6	12.0
6.00		18994	5044	2472	26510
.60-.69		10.3	5.1	2.5	7.0
7.00		17957	302		18259
.70-.79		9.7	.3		4.8
8.00		11534			11534
.80-.89		6.2			3.0
9.00		7293			7293
.90-.99		3.9			1.9
10.00		6072			6072
1.0-1.09		3.3			1.6
11.00		1324			1324
1.1-1.19		.7			.3
12.00		1264			1264
1.2-1.29		.7			.3
Column Total		184926 48.5	98990 26.0	97170 25.5	381086 100.0

Number of Missing Observations: 138886

AVFMZ AVERAGE SIZE OF FARMS (IN RAI) by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

AVFMZ	1970.00	1980.00	1985.00	1990.00	Row Total
1.00	9963				9963
.65 - 4.99	10.8				2.3
2.00	35603	8110	6048	5082	54843
5.00 - 9.9999	38.7	8.2	6.2	3.7	12.8
3.00	20746	1874	1035	2350	26005
10.00 - 14.99	22.6	1.9	1.1	1.7	6.1
4.00	10326	10130	9639	11607	41702
15.00 - 19.99	11.2	10.2	9.9	8.4	9.8
5.00	9012	24856	27526	42799	104193
20.00 - 24.99	9.8	25.1	28.3	30.8	24.4
6.00	4784	24260	21690	29201	79935
25.00 - 29.99	5.2	24.5	22.3	21.0	18.7
7.00	931	12542	10204	20510	44187
30.00 - 34.99	1.0	12.7	10.5	14.8	10.3
8.00	584	8118	10584	17876	37162
35 - 39.99	.6	8.2	10.9	12.9	8.7
9.00		6258	7498	7454	21210
40.00 - 44.99		6.3	7.7	5.4	5.0
10.00		2842	2946	2007	7795
45.00 - 49.99		2.9	3.0	1.4	1.8
Column Total	91949	98990	97170	138886	426995
	21.5	23.2	22.8	32.5	100.0

Number of Missing Observations: 92977

AVPPFM AVFMZ*AVG RICE PROD. IN TONS/RAI*-1) by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

AVPPFM	1970.00	1980.00	1985.00	1990.00	Row Total
1.00				1121	1121
-21.49 - -20				.8	.3
2.00				7212	7212
-19.99 - -17.0				5.2	1.7
3.00				9805	9805
-16.99 - -14.				7.1	2.3
4.00		7809	5677	10315	23801
-13.99 - -11.0		7.9	5.8	7.4	5.6
5.00		31200	45498	44321	121019
-10.99 - -8.0		31.5	46.8	31.9	28.3
6.00	12197	45039	31929	59493	148658
-7.99 - -5.00	13.3	45.5	32.9	42.8	34.8
7.00	42729	14605	13388	6619	77341
-4.99 - -2.00	46.5	14.8	13.8	4.8	18.1
8.00	37023	337	678		38038
-1.99 - -.12	40.3	.3	.7		8.9

Column Total	91949 21.5	98990 23.2	97170 22.8	138886 32.5	426995 100.0

Number of Missing Observations: 92977

DEN POPULATION DENSITY, IN SQ KILOMETERS by YEAR YEAR OF CENSUS

YEAR — Page 1 of 1

DEN	1970.00	1980.00	1985.00	1990.00	Row Total
1.00 7 - 49.99	29610 16.0	10426 10.5	12977 13.4	6235 4.5	59248 11.4
2.00 50 - 99.99	64687 35.0	43296 43.7	33831 34.8	38544 27.8	180358 34.7
3.00 100 - 149.99	16337 8.8	26074 26.3	28246 29.1	48136 34.7	118793 22.8
4.00 150 - 199.99	4377 2.4			2584 1.9	6961 1.3
5.00 200 - 249.99	3115 1.7	4422 4.5	4588 4.7	3555 2.6	15680 3.0
6.00 250 - 299.99	3692 2.0	1405 1.4		3337 2.4	8434 1.6
7.00 300 - 349.99				1121 .8	1121 .2
8.00 350 - 399.99	3012 1.6	337 .3	678 .7	549 .4	4576 .9
9.00 400 - 499.99				1599 1.2	1599 .3
10.00 500 - 599.99		1238 1.3	1944 2.0		3182 .6
11.00 600 - 699.99		980 1.0	623 .6		1603 .3
12.00 800 - 899.99				1835 1.3	1835 .4
13.00 900 - 999.99				1879 1.4	1879 .4
14.00 HIGH THAN 1,000	60096 32.5	10812 10.9	14283 14.7	29512 21.2	114703 22.1
Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

PRIM RATIO OF DOCTORS & NURSES TO URBAN POP by YEAR YEAR OF CENSUS

YEAR — Page 1 of 1

PRIM	1970.00	1980.00	1985.00	1990.00	Row Total
1.00 28.67-49.991	184926 100.0			20756 14.9	205682 39.6
2.00				42632	42632

50.00-99.99				30.7	8.2
3.00		1036		33733	34769
100.00-149.99		1.0		24.3	6.7
4.00		7957	5342	10265	23564
150.00-199.99		8.0	5.5	7.4	4.5
5.00		3677	3053	31500	38230
200.00-249.99		3.7	3.1	22.7	7.4
6.00		2896	1783		4679
250.00-299.99		2.9	1.8		.9
7.00		10313	7329		17642
300.00-349.99		10.4	7.5		3.4
8.00		3878	5652		9530
350.00-399.99		3.9	5.8		1.8
9.00		15683	15919		31602
400.00-449.99		15.8	16.4		6.1
10.00		10441	9386		19827
450.00-499.99		10.5	9.7		3.8
11.00		13165	18019		31184
500.00-549.99		13.3	18.5		6.0
12.00		3348	3984		7332
550.00-599.99		3.4	4.1		1.4
13.00		5398	5804		11202
600.00-649.99		5.5	6.0		2.2
14.00		3490	3633		7123
650.00-699.99		3.5	3.7		1.4
15.00		3950	4668		8618
700.00-749.99		4.0	4.8		1.7
16.00		3166	1231		4397
750.00-799.99		3.2	1.3		.8
17.00		1101	1812		2913
800.00-849.99		1.1	1.9		.6
18.00		968			968
850.00-899.99		1.0			.2
19.00		1238	1944		3182
900.00-949.99		1.3	2.0		.6
20.00		7285	7611		14896
HIGHER THAN 1,00		7.4	7.8		2.9
Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

SEC RATIO OF NURSE AIDS, MIDWIFE TO RURAL PO by YEAR YEAR OF CENSUS

SEC	YEAR 1970.00	1980.00	1985.00	1990.00	Row Total
1.00	184926	579	1869	1879	189253
468-499.991	100.0	.6	1.9	1.4	36.4
2.00		22001	26448	57201	105650
500-999.99		22.2	27.2	41.2	20.3

3.00		19300	21090	31197	71587
1000-1499.99		19.5	21.7	22.5	13.8
4.00		20961	16969	33612	71542
1500-1999.99		21.2	17.5	24.2	13.8
5.00		13320	16135	12240	41695
2000-2499.99		13.5	16.6	8.8	8.0
6.00		10901	8448		19349
2500-2999.99		11.0	8.7		3.7
7.00		7174	4236	2757	14167
3000-3499.99		7.2	4.4	2.0	2.7
8.00		3166	1231		4397
3500-3999.99		3.2	1.3		.8
9.00		1588	744		2332
ABOVE 4000		1.6	.8		.4
Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

C613NP PROP OF CHILD. 6-13 NOT CURRENTLY ENROLL by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

C613NP / Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
2.0000		1438	2490		3928
.10-.19		1.5	2.6		.8
3.0000	65126	74300	73735	33793	246954
.20-.29	35.2	75.1	75.9	24.3	47.5
4.0000	48002	22044	18919	104657	193622
.30-.39	26.0	22.3	19.5	75.4	37.2
5.0000	64259	906	2026	436	67627
.40-.49	34.7	.9	2.1	.3	13.0
6.0000	6312	302			6614
.50-.59	3.4	.3			1.3
7.0000	1227				1227
.600-.69	.7				.2
Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

C1218NS PROP OF CHD 12-16 NOT ENROLLED IN SEC SC by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

C1218NS / Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
5.0000				31391	31391
.40-.49				22.6	6.0
6.0000		11792	14906	9323	36021
.50-.59		11.9	15.3	6.7	6.9

	7.0000	44000	1238	1944	26117	73299
.600-.69		23.8	1.3	2.0	18.8	14.1
	8.0000	17156	12644	12733	35489	78022
.70-.79		9.3	12.8	13.1	25.6	15.0
	9.0000	123770	73316	67587	36566	301239
.80-.89		66.9	74.1	69.6	26.3	57.9
	Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

FAMLAB PROP OF CHILDREN IN UNPAID FAMILY LABOR by YEAR YEAR OF CENSUS

YEAR — Page 1 of 1

FAMLAB / Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
1.00	61312	13609	18719	44432	138072
.01-.09	33.2	13.7	19.3	32.0	26.6
2.00	2882	3423	3116	9874	19295
.10-.19	1.6	3.5	3.2	7.1	3.7
3.00	4091	12429	14743	24761	56024
.20-.29	2.2	12.6	15.2	17.8	10.8
4.00	4362	14069	16857	19990	55278
.30-.39	2.4	14.2	17.3	14.4	10.6
5.00	20440	21400	16457	9646	67943
.40-.49	11.1	21.6	16.9	6.9	13.1
6.00	22882	30022	24947	28123	105974
.50-.59	12.4	30.3	25.7	20.2	20.4
7.00	20153	4038	2331	2060	28582
.600-.69	10.9	4.1	2.4	1.5	5.5
8.00	32209				32209
.70-.79	17.4				6.2
9.00	16595				16595
.80-.89	9.0				3.2
Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

CWPROP2 PROP OF CHILDREN 13-16 IN LABOR FORCE by YEAR YEAR OF CENSUS

YEAR — Page 1 of 1

CWPROP2 / Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
1.00				1323	1323
.01-.09				1.0	.3
2.00		11792	14906	6242	32940
.10-.19		11.9	15.3	4.5	6.3
3.00	61312	5292	7702	39463	113769
.20-.29	33.2	5.3	7.9	28.4	21.9
4.00	4219	6518	9665	16359	36761

.30-.39	2.3	6.6	9.9	11.8	7.1
5.00	10389	15093	13639	23503	62624
.40-.49	5.6	15.2	14.0	16.9	12.0
6.00	13604	37296	34633	18101	103634
.50-.59	7.4	37.7	35.6	13.0	19.9
7.00	32407	21938	16625	30167	101137
.600-.69	17.5	22.2	17.1	21.7	19.5
8.00	32504	1061		3728	37293
.70-.79	17.6	1.1		2.7	7.2
9.00	30491				30491
.80-.89	16.5				5.9
Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

CWPROP3 PROP OF CHILDREN 13-17 IN LABOR FORCE by YEAR YEAR OF CENSUS

Page 1 of 1

CWPROP3 / Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
2.00			4303	4303	
.10-.19			3.1	.8	
3.00	61362	13641	17187	39263	131453
.20-.29	33.2	13.8	17.7	28.3	25.3
4.00	2832	9134	12721	11140	35827
.30-.39	1.5	9.2	13.1	8.0	6.9
5.00	4612	12485	13395	23966	54458
.40-.49	2.5	12.6	13.8	17.3	10.5
6.00	14230	25443	23605	24372	87650
.50-.59	7.7	25.7	24.3	17.5	16.9
7.00	30710	36111	27319	32114	126254
.60-.69	16.6	36.5	28.1	23.1	24.3
8.00	25253	2176	2943	3728	34100
.70-.79	13.7	2.2	3.0	2.7	6.6
9.00	45927				45927
.80-.90	24.8				8.8
Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

WEPROP PROP OF WOMEN 15-34 WITH MORE THAN PRIM by YEAR YEAR OF CENSUS

Page 1 of 1

WEPROP / Count / Col Pct	1970.00	1980.00	1985.00	1990.00	Row Total
1.00	88176				88176
.01-.09	47.7				17.0
2.00	32198	43522	30063		105783
.10-.19	17.4	44.0	30.9		20.3

3.00	3396	30568	37130		71094
.20-.29	1.8	30.9	38.2		13.7
4.00	17156	10610	10580	436	38782
.30-.39	9.3	10.7	10.9	.3	7.5
5.00	44000	1817	3813	17456	67086
.40-.49	23.8	1.8	3.9	12.6	12.9
6.00		5022	1301	69356	75679
.50-.59		5.1	1.3	49.9	14.6
7.00		7451	14283	17392	39126
.600-.69		7.5	14.7	12.5	7.5
8.00				34246	34246
.70-.79				24.7	6.6
Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

MPROP PROP OF WOMEN AGED 15-24 NEVER-MARRIED by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

MPROP	1970.00	1980.00	1985.00	1990.00	Row Total
1.00	4219				4219
.30-.39	2.3				.8
2.00	5694	2102	2438		10234
.40-.49	3.1	2.1	2.5		2.0
3.00	35449	7257	8511	5860	57077
.50-.59	19.2	7.3	8.8	4.2	11.0
4.00	66282	61159	53635	70099	251175
.60-.69	35.8	61.8	55.2	50.5	48.3
5.00	72321	23794	31285	26711	154111
.70-.79	39.1	24.0	32.2	19.2	29.6
6.00	961	4678	1301	36216	43156
.80-.90	.5	4.7	1.3	26.1	8.3
Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

WWPROP PROP OF WOMEN 15-34 IN NON-AGRI SECTOR by YEAR YEAR OF CENSUS

YEAR Page 1 of 1

WWPROP	1970.00	1980.00	1985.00	1990.00	Row Total
1.00	71867	24186	14769		110822
.01-.09	38.9	24.4	15.2		21.3
2.00	41695	43368	47543	15079	147685
.10-.19	22.5	43.8	48.9	10.9	28.4
3.00	8514	15359	16196	21381	61450
.20-.29	4.6	15.5	16.7	15.4	11.8
4.00	1793	2481	1812	26648	32734
.30-.39	1.0	2.5	1.9	19.2	6.3

	5.00	61057	13030	16850	15725	106662
.40-.49		33.0	13.2	17.3	11.3	20.5
	6.00		566		8369	8935
.50-.59			.6		6.0	1.7
	7.00				11043	11043
.60-.69					8.0	2.1
	8.00				2139	2139
.70-.79					1.5	.4
	9.00				4727	4727
.80-.89					3.4	.9
	10.00				33775	33775
.90-.98					24.3	6.5
	Column Total	184926 35.6	98990 19.0	97170 18.7	138886 26.7	519972 100.0

Number of Missing Observations: 0

Appendix G: Correlations Between the Contextual Variables and the Two Fertility Variables

1) 1970 data

- - Correlation Coefficients - -

	CEB	OWN	DEN	AVFMZ	AVPPFM	PRIM
CEB	1.0000	-.1015	.0229	.0100	-.0126	.
	(*****)	(*****)	(*****)	(78108)	(78108)	(*****)
	P= .	P= .000	P= .000	P= .005	P= .000	P= .
OWN	-.1015	1.0000	-.0537	.0027	.0130	.
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .	P= .000	P= .368	P= .000	P= .
DEN	.0229	-.0537	1.0000	.3116	-.4074	.
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .	P= .000	P= .000	P= .
AVFMZ	.0100	.0027	.3116	1.0000	-.7764	.
	(78108)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .005	P= .368	P= .000	P= .	P= .000	P= .
AVPPFM	-.0126	.0130	-.4074	-.7764	1.0000	.
	(78108)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .	P= .
PRIM	.	.	.	.	.	1.0000
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .	P= .	P= .	P= .	P= .
SEC	.	.	.	.	.	.
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .	P= .	P= .	P= .	P= .
C1218NS	-.0235	.0584	-.9365	.0332	.0225	.
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .
C613NP	-.0171	.0486	-.6704	-.0776	.1725	.
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .
FAMLAB	-.0175	.0563	-.7676	.2565	-.1645	.
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .
CWPROP2	-.0194	.0561	-.7962	.2663	-.2255	.
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .
CWPROP3	-.0188	.0560	-.8117	.2599	-.2251	.
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .
WEPROP	.0229	-.0586	.9430	-.0786	-.0067	.
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .026	P= .
WWPROP	.0212	-.0572	.8600	.1555	-.1944	.
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .
MPROP	.0206	-.0455	.5969	.5102	-.5075	.
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .
IM	-.0113	.0224	-.4249	.0008	-.1575	.
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .789	P= .000	P= .

	SEC	C1218NS	C613NP	FAMLAB	CWPROP2	CWPROP3
CEB	.	-.0235	-.0171	-.0175	-.0194	-.0188
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .000	P= .000	P= .000
OWN	.	.0584	.0486	.0563	.0561	.0560
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .000	P= .000	P= .000
DEN	.	-.9365	-.6704	-.7676	-.7962	-.8117
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .000	P= .000	P= .000
AVFMZ	.	.0332	-.0776	.2565	.2663	.2599
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .000	P= .000	P= .000
AVPPFM	.	.0225	.1725	-.1645	-.2255	-.2251
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .000	P= .000	P= .000
PRIM	.	.	.	.	.	.
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .	P= .	P= .	P= .	P= .
SEC	1.0000	.	.	.	.	.
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .	P= .	P= .	P= .	P= .
C1218NS	.	1.0000	.7534	.8673	.8892	.9001
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .	P= .000	P= .000	P= .000	P= .000
C613NP	.	.7534	1.0000	.7041	.6983	.7019
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .	P= .000	P= .000	P= .000
FAMLAB	.	.8673	.7041	1.0000	.9834	.9804
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .	P= .000	P= .000
CWPROP2	.	.8892	.6983	.9834	1.0000	.9984
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .000	P= .	P= .000
CWPROP3	.	.9001	.7019	.9804	.9984	1.0000
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .000	P= .000	P= .
WEPROP	.	-.9822	-.7487	-.8901	-.9026	-.9115
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .000	P= .000	P= .000
WWPROP	.	-.8980	-.7308	-.8706	-.8458	-.8533
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .000	P= .000	P= .000
MPROP	.	-.6175	-.5189	-.3774	-.3738	-.3876
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .000	P= .000	P= .000
IM	.	.5245	.3538	.4407	.4762	.4843
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .000	P= .000	P= .000

(Coefficient / (Cases) / 2-tailed Significance)

" . " is printed if a coefficient cannot be computed

	WEPROP	WWPROP	MPROP	IM

CEB	.0229	.0212	.0206	-.0113
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
OWN	-.0586	-.0572	-.0455	.0224
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
DEN	.9430	.8600	.5969	-.4249
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
AVFMZ	-.0786	.1555	.5102	.0008
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .789
AVPPFM	-.0067	-.1944	-.5075	-.1575
	(*****)	(*****)	(*****)	(*****)
	P= .026	P= .000	P= .000	P= .000
PRIM	.	.	.	.
	(*****)	(*****)	(*****)	(*****)
	P= .	P= .	P= .	P= .
SEC	.	.	.	.
	(*****)	(*****)	(*****)	(*****)
	P= .	P= .	P= .	P= .
C1218NS	-.9822	-.8980	-.6175	.5245
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
C613NP	-.7487	-.7308	-.5189	.3538
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
FAMLAB	-.8901	-.8706	-.3774	.4407
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
CWPROP2	-.9026	-.8458	-.3738	.4762
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
CWPROP3	-.9115	-.8533	-.3876	.4843
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
WEPROP	1.0000	.9204	.5837	-.4737
	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .000
WWPROP	.9204	1.0000	.6030	-.4122
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .	P= .000	P= .000
MPROP	.5837	.6030	1.0000	-.3707
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .	P= .000
IM	-.4737	-.4122	-.3707	1.0000
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .

(Coefficient / (Cases) / 2-tailed Significance)

" . " is printed if a coefficient cannot be computed

2) 1980 data

- - Correlation Coefficients - -

	CEB	OWN	DEN	AVFMZ	AVPPFM	PRIM
CEB	1.0000	-.0459	.0442	-.0070	.0029	.0150
	(63889)	(63889)	(63889)	(63889)	(63889)	(63889)
	P= .	P= .000	P= .000	P= .075	P= .470	P= .000
OWN	-.0459	1.0000	-.0378	.0118	.0124	.0065
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .	P= .000	P= .000	P= .000	P= .040
DEN	.0442	-.0378	1.0000	-.1573	-.2839	.0565
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .	P= .000	P= .000	P= .000
AVFMZ	-.0070	.0118	-.1573	1.0000	-.5829	.1839
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .075	P= .000	P= .000	P= .	P= .000	P= .000
AVPPFM	.0029	.0124	-.2839	-.5829	1.0000	-.1022
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .470	P= .000	P= .000	P= .000	P= .	P= .000
PRIM	.0150	.0065	.0565	.1839	-.1022	1.0000
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .040	P= .000	P= .000	P= .000	P= .
SEC	-.0002	.0361	-.4216	.2359	.2014	.1435
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .966	P= .000	P= .000	P= .000	P= .000	P= .000
C1218NS	-.0289	.0438	-.8714	.1872	.2699	-.2235
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
C613NP	-.0095	.0375	-.5380	.1302	.2268	-.1367
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .016	P= .000	P= .000	P= .000	P= .000	P= .000
FAMLAB	-.0269	.0423	-.7163	.3101	.1448	-.2515
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
CWPROP2	-.0285	.0384	-.7322	.3458	.1275	-.2674
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
CWPROP3	-.0290	.0382	-.7416	.3331	.1286	-.2819
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
WEPROP	.0336	-.0454	.8717	-.2686	-.2103	.2042
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
WWPROP	.0270	-.0511	.8002	-.1270	-.3043	.1318
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
MPROP	.0171	-.0390	.6709	.0601	-.2774	.2092
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
IM	-.0227	.0237	-.5974	-.2386	.4334	-.3812
	(63889)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000

(Coefficient / (Cases) / 2-tailed Significance)

" . " is printed if a coefficient cannot be computed

	SEC	C1218NS	C613NP	FAMLAB	CWPROP2	CWPROP3
CEB	-.0002	-.0289	-.0095	-.0269	-.0285	-.0290
	(63889)	(63889)	(63889)	(63889)	(63889)	(63889)
	P= .966	P= .000	P= .016	P= .000	P= .000	P= .000
OWN	.0361	.0438	.0375	.0423	.0384	.0382
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
DEN	-.4216	-.8714	-.5380	-.7163	-.7322	-.7416
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
AVFMZ	.2359	.1872	.1302	.3101	.3458	.3331
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
AVPPFM	.2014	.2699	.2268	.1448	.1275	.1286
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
PRIM	.1435	-.2235	-.1367	-.2515	-.2674	-.2819
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
SEC	1.0000	.4961	.2821	.6036	.5845	.5785
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .	P= .000	P= .000	P= .000	P= .000	P= .000
C1218NS	.4961	1.0000	.7142	.8537	.8742	.8855
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .	P= .000	P= .000	P= .000	P= .000
C613NP	.2821	.7142	1.0000	.5635	.5643	.5692
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .	P= .000	P= .000	P= .000
FAMLAB	.6036	.8537	.5635	1.0000	.9815	.9793
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .	P= .000	P= .000
CWPROP2	.5845	.8742	.5643	.9815	1.0000	.9978
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .	P= .000
CWPROP3	.5785	.8855	.5692	.9793	.9978	1.0000
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .
WEPROP	-.6009	-.9454	-.6042	-.9147	-.9188	-.9254
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
WWPROP	-.5735	-.8746	-.6411	-.8563	-.8025	-.8061
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
MPROP	-.2216	-.8164	-.7181	-.5623	-.5528	-.5724
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
IM	.3036	.7421	.5439	.6728	.6597	.6747
	(99445)	(99445)	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000

(Coefficient / (Cases) / 2-tailed Significance)

" . " is printed if a coefficient cannot be computed

	WEPROP	WWPROP	MPROP	IM
CEB	.0336	.0270	.0171	-.0227
	(63889)	(63889)	(63889)	(63889)
	P= .000	P= .000	P= .000	P= .000
OWN	-.0454	-.0511	-.0390	.0237
	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000
DEN	.8717	.8002	.6709	-.5974
	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000
AVFMZ	-.2686	-.1270	.0601	-.2386
	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000
AVPPFM	-.2103	-.3043	-.2774	.4334
	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000
PRIM	.2042	.1318	.2092	-.3812
	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000
SEC	-.6009	-.5735	-.2216	.3036
	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000
C1218NS	-.9454	-.8746	-.8164	.7421
	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000
C613NP	-.6042	-.6411	-.7181	.5439
	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000
FAMLAB	-.9147	-.8563	-.5623	.6728
	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000
CWPROP2	-.9188	-.8025	-.5528	.6597
	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000
CWPROP3	-.9254	-.8061	-.5724	.6747
	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .000
WEPROP	1.0000	.9031	.6853	-.6902
	(99445)	(99445)	(99445)	(99445)
	P= .	P= .000	P= .000	P= .000
WWPROP	.9031	1.0000	.7264	-.7082
	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .	P= .000	P= .000
MPROP	.6853	.7264	1.0000	-.6852
	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .	P= .000
IM	-.6902	-.7082	-.6852	1.0000
	(99445)	(99445)	(99445)	(99445)
	P= .000	P= .000	P= .000	P= .

(Coefficient / (Cases) / 2-tailed Significance)

" . " is printed if a coefficient cannot be computed

3) 1985 SPC data

- - Correlation Coefficients - -

	CEB	OWN	DEN	AVFMZ	AVPPFM	PRIM
CEB	1.0000	-.0410	-.0017	.0003	.0011	.0115
	(62480)	(62480)	(62480)	(62480)	(62480)	(62480)
	P= .	P= .000	P= .669	P= .944	P= .785	P= .004
OWN	-.0410	1.0000	-.0231	.0035	.0089	.0162
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .	P= .000	P= .270	P= .006	P= .000
DEN	-.0017	-.0231	1.0000	-.2107	-.2520	.0329
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .669	P= .000	P= .	P= .000	P= .000	P= .000
AVFMZ	.0003	.0035	-.2107	1.0000	-.5507	.1512
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .944	P= .270	P= .000	P= .	P= .000	P= .000
AVPPFM	.0011	.0089	-.2520	-.5507	1.0000	-.0214
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .785	P= .006	P= .000	P= .000	P= .	P= .000
PRIM	.0115	.0162	.0329	.1512	-.0214	1.0000
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .004	P= .000	P= .000	P= .000	P= .000	P= .
SEC	.0110	.0176	-.4101	.2149	.1735	.1194
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .006	P= .000	P= .000	P= .000	P= .000	P= .000
C1218NS	-.0023	.0209	-.8782	.2781	.1597	-.2332
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .565	P= .000	P= .000	P= .000	P= .000	P= .000
C613NP	-.0005	.0202	-.5179	.1448	.1520	-.1305
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .904	P= .000	P= .000	P= .000	P= .000	P= .000
FAMLAB	.0002	.0144	-.6974	.3732	.0304	-.3072
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .954	P= .000	P= .000	P= .000	P= .000	P= .000
CWPROP2	-.0009	.0110	-.7088	.4168	.0151	-.3216
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .822	P= .001	P= .000	P= .000	P= .000	P= .000
CWPROP3	-.0005	.0109	-.7173	.4040	.0167	-.3242
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .903	P= .001	P= .000	P= .000	P= .000	P= .000
WEPROP	-.0005	-.0206	.8743	-.3444	-.1157	.1928
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .899	P= .000	P= .000	P= .000	P= .000	P= .000
WWPROP	.0008	-.0302	.8308	-.1596	-.2518	.1247
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .840	P= .000	P= .000	P= .000	P= .000	P= .000
MPROP	.0129	-.0194	.6703	-.0243	-.1472	.1851
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .001	P= .000	P= .000	P= .000	P= .000	P= .000
IM	-.0022	.0151	-.5869	-.0760	.3272	-.3830
	(62480)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .588	P= .000	P= .000	P= .000	P= .000	P= .000

(Coefficient / (Cases) / 2-tailed Significance)

" . " is printed if a coefficient cannot be computed

	SEC	C1218NS	C613NP	FAMLAB	CWPROP2	CWPROP3
CEB	.0110	-.0023	-.0005	.0002	-.0009	-.0005
	(62480)	(62480)	(62480)	(62480)	(62480)	(62480)
	P= .006	P= .565	P= .904	P= .954	P= .822	P= .903
OWN	.0176	.0209	.0202	.0144	.0110	.0109
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000	P= .001	P= .001
DEN	-.4101	-.8782	-.5179	-.6974	-.7088	-.7173
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
AVFMZ	.2149	.2781	.1448	.3732	.4168	.4040
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
AVPPFM	.1735	.1597	.1520	.0304	.0151	.0167
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
PRIM	.1194	-.2332	-.1305	-.3072	-.3216	-.3242
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
SEC	1.0000	.4834	.2036	.6358	.6143	.6099
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .	P= .000	P= .000	P= .000	P= .000	P= .000
C1218NS	.4834	1.0000	.7038	.8347	.8617	.8678
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .	P= .000	P= .000	P= .000	P= .000
C613NP	.2036	.7038	1.0000	.4443	.4623	.4621
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .	P= .000	P= .000	P= .000
FAMLAB	.6358	.8347	.4443	1.0000	.9820	.9821
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .	P= .000	P= .000
CWPROP2	.6143	.8617	.4623	.9820	1.0000	.9985
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000	P= .	P= .000
CWPROP3	.6099	.8678	.4621	.9821	.9985	1.0000
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .
WEPROP	-.5981	-.9371	-.5384	-.9095	-.9126	-.9194
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
WWPROP	-.5629	-.8841	-.6440	-.8112	-.7641	-.7690
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
MPROP	-.1715	-.7851	-.7680	-.4739	-.4915	-.5000
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
IM	.3851	.7413	.5203	.6914	.6905	.7002
	(97170)	(97170)	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000

	WEPROP	WWPROP	MPROP	IM
CEB	-.0005	.0008	.0129	-.0022
	(62480)	(62480)	(62480)	(62480)
	P= .899	P= .840	P= .001	P= .588
OWN	-.0206	-.0302	-.0194	.0151
	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000
DEN	.8743	.8308	.6703	-.5869
	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000
AVFMZ	-.3444	-.1596	-.0243	-.0760
	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000
AVPPFM	-.1157	-.2518	-.1472	.3272
	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000
PRIM	.1928	.1247	.1851	-.3830
	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000
SEC	-.5981	-.5629	-.1715	.3851
	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000
C1218NS	-.9371	-.8841	-.7851	.7413
	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000
C613NP	-.5384	-.6440	-.7680	.5203
	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000
FAMLAB	-.9095	-.8112	-.4739	.6914
	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000
CWPROP2	-.9126	-.7641	-.4915	.6905
	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000
CWPROP3	-.9194	-.7690	-.5000	.7002
	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .000
WEPROP	1.0000	.8958	.6262	-.6961
	(97170)	(97170)	(97170)	(97170)
	P= .	P= .000	P= .000	P= .000
WWPROP	.8958	1.0000	.7164	-.6737
	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .	P= .000	P= .000
MPROP	.6262	.7164	1.0000	-.6204
	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .	P= .000
IM	-.6961	-.6737	-.6204	1.0000
	(97170)	(97170)	(97170)	(97170)
	P= .000	P= .000	P= .000	P= .

(Coefficient / (Cases) / 2-tailed Significance)

" . " is printed if a coefficient cannot be computed

4) 1990 data

- - Correlation Coefficients - -

	CEB	OWN	DEN	AVFMZ	AVPPFM	PRIM
CEB	1.0000	-.0346	.0211	-.0003	-.0046	.0233
	(91414)	(91414)	(91414)	(91414)	(91414)	(91414)
	P= .	P= .000	P= .000	P= .930	P= .165	P= .000
OWN	-.0346	1.0000	-.0406	.0015	.0258	-.0280
	(91414)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .	P= .000	P= .582	P= .000	P= .000
DEN	.0211	-.0406	1.0000	-.3256	.0484	.7912
	(91414)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .	P= .000	P= .000	P= .000
AVFMZ	-.0003	.0015	-.3256	1.0000	-.6328	-.1306
	(91414)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .930	P= .582	P= .000	P= .	P= .000	P= .000
AVPPFM	-.0046	.0258	.0484	-.6328	1.0000	.0464
	(91414)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .165	P= .000	P= .000	P= .000	P= .	P= .000
PRIM	.0233	-.0280	.7912	-.1306	.0464	1.0000
	(91414)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .
SEC	-.0054	.0335	-.4340	.2608	.0835	-.3999
	(91414)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .104	P= .000	P= .000	P= .000	P= .000	P= .000
C1218NS	-.0204	.0495	-.7486	.1968	.2480	-.6605
	(91414)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
C613NP	.0081	.0100	-.1386	-.0693	.2341	-.2068
	(91414)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .014	P= .000	P= .000	P= .000	P= .000	P= .000
FAMLAB	-.0176	.0398	-.5761	.1876	.2522	-.5858
	(91414)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
CWPROP2	-.0183	.0349	-.5499	.2223	.1771	-.5604
	(91414)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
CWPROP3	-.0188	.0341	-.5537	.2211	.1577	-.5756
	(91414)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
WEPROP	.0317	-.0408	.8043	-.2450	-.0046	.7166
	(91414)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .089	P= .000
WWPROP	.0248	-.0434	.7326	-.2261	-.2071	.6932
	(91414)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
MPROP	.0266	-.0456	.7289	-.1770	-.2000	.6510
	(91414)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
IM	.	.	.	.	.	.
	(0)	(0)	(0)	(0)	(0)	(0)
	P= .	P= .	P= .	P= .	P= .	P= .

(Coefficient / (Cases) / 2-tailed Significance)

" . " is printed if a coefficient cannot be computed

	SEC	C1218NS	C613NP	FAMLAB	CWPROP2	CWPROP3
CEB	-.0054	-.0204	.0081	-.0176	-.0183	-.0188
	(91414)	(91414)	(91414)	(91414)	(91414)	(91414)
	P= .104	P= .000	P= .014	P= .000	P= .000	P= .000
OWN	.0335	.0495	.0100	.0398	.0349	.0341
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
DEN	-.4340	-.7486	-.1386	-.5761	-.5499	-.5537
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
AVFMZ	.2608	.1968	-.0693	.1876	.2223	.2211
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
AVPPFM	.0835	.2480	.2341	.2522	.1771	.1577
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
PRIM	-.3999	-.6605	-.2068	-.5858	-.5604	-.5756
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
SEC	1.0000	.6992	.0084	.7601	.7506	.7549
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .002	P= .000	P= .000	P= .000
C1218NS	.6992	1.0000	.2784	.9000	.8758	.8752
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .	P= .000	P= .000	P= .000	P= .000
C613NP	.0084	.2784	1.0000	.1795	.1555	.1587
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .002	P= .000	P= .	P= .000	P= .000	P= .000
FAMLAB	.7601	.9000	.1795	1.0000	.9747	.9702
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .	P= .000	P= .000
CWPROP2	.7506	.8758	.1555	.9747	1.0000	.9977
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .	P= .000
CWPROP3	.7549	.8752	.1587	.9702	.9977	1.0000
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .
WEPROP	-.5042	-.8368	-.1801	-.6949	-.7007	-.7074
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
WWPROP	-.6884	-.9285	-.1491	-.9296	-.8984	-.8963
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
MPROP	-.6111	-.9135	-.2547	-.8093	-.7761	-.7815
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
IM	.	.	.	.	.	.
	(0)	(0)	(0)	(0)	(0)	(0)
	P= .	P= .	P= .	P= .	P= .	P= .

	WEPROP	WWPROP	MPROP	IM
CEB	.0317	.0248	.0266	.
	(91414)	(91414)	(91414)	(0)
	P= .000	P= .000	P= .000	P= .
OWN	-.0408	-.0434	-.0456	.
	(*****)	(*****)	(*****)	(0)
	P= .000	P= .000	P= .000	P= .
DEN	.8043	.7326	.7289	.
	(*****)	(*****)	(*****)	(0)
	P= .000	P= .000	P= .000	P= .
AVFMZ	-.2450	-.2261	-.1770	.
	(*****)	(*****)	(*****)	(0)
	P= .000	P= .000	P= .000	P= .
AVPPFM	-.0046	-.2071	-.2000	.
	(*****)	(*****)	(*****)	(0)
	P= .089	P= .000	P= .000	P= .
PRIM	.7166	.6932	.6510	.
	(*****)	(*****)	(*****)	(0)
	P= .000	P= .000	P= .000	P= .
SEC	-.5042	-.6884	-.6111	.
	(*****)	(*****)	(*****)	(0)
	P= .000	P= .000	P= .000	P= .
C1218NS	-.8368	-.9285	-.9135	.
	(*****)	(*****)	(*****)	(0)
	P= .000	P= .000	P= .000	P= .
C613NP	-.1801	-.1491	-.2547	.
	(*****)	(*****)	(*****)	(0)
	P= .000	P= .000	P= .000	P= .
FAMLAB	-.6949	-.9296	-.8093	.
	(*****)	(*****)	(*****)	(0)
	P= .000	P= .000	P= .000	P= .
CWPROP2	-.7007	-.8984	-.7761	.
	(*****)	(*****)	(*****)	(0)
	P= .000	P= .000	P= .000	P= .
CWPROP3	-.7074	-.8963	-.7815	.
	(*****)	(*****)	(*****)	(0)
	P= .000	P= .000	P= .000	P= .
WEPROP	1.0000	.8498	.8418	.
	(*****)	(*****)	(*****)	(0)
	P= .	P= .000	P= .000	P= .
WWPROP	.8498	1.0000	.8886	.
	(*****)	(*****)	(*****)	(0)
	P= .000	P= .	P= .000	P= .
MPROP	.8418	.8886	1.0000	.
	(*****)	(*****)	(*****)	(0)
	P= .000	P= .000	P= .	P= .
IM	.	.	.	1.0000
	(0)	(0)	(0)	(0)
	P= .	P= .	P= .	P= .

(Coefficient / (Cases) / 2-tailed Significance)

" . " is printed if a coefficient cannot be computed

All four years (1970, 1980, 1985, 1990)

- - Correlation Coefficients - -

	CEB	OWN	DEN	AVFMZ	AVPPFM	PRIM
CEB	1.0000 (*****) P= .	-.0581 (*****) P= .000	.0159 (*****) P= .000	-.0189 (*****) P= .000	.0131 (*****) P= .000	-.0378 (*****) P= .000
OWN	-.0581 (*****) P= .000	1.0000 (*****) P= .	-.0536 (*****) P= .000	-.0683 (*****) P= .000	.0952 (*****) P= .000	-.0530 (*****) P= .000
DEN	.0159 (*****) P= .000	-.0536 (*****) P= .000	1.0000 (*****) P= .	-.0487 (*****) P= .000	-.1973 (*****) P= .000	.1319 (*****) P= .000
AVFMZ	-.0189 (*****) P= .000	-.0683 (*****) P= .000	-.0487 (*****) P= .000	1.0000 (*****) P= .	-.7427 (*****) P= .000	.3408 (*****) P= .000
AVPPFM	.0131 (*****) P= .000	.0952 (*****) P= .000	-.1973 (*****) P= .000	-.7427 (*****) P= .000	1.0000 (*****) P= .	-.2390 (*****) P= .000
PRIM	-.0378 (*****) P= .000	-.0530 (*****) P= .000	.1319 (*****) P= .000	.3408 (*****) P= .000	-.2390 (*****) P= .000	1.0000 (*****) P= .
SEC	-.0318 (*****) P= .000	-.0770 (*****) P= .000	-.1355 (*****) P= .000	.5290 (*****) P= .000	-.3669 (*****) P= .000	.5614 (*****) P= .000
C1218NS	-.0009 (*****) P= .603	.1114 (*****) P= .000	-.7205 (*****) P= .000	-.2193 (*****) P= .000	.5427 (*****) P= .000	-.2377 (*****) P= .000
C613NP	.0304 (*****) P= .000	.1070 (*****) P= .000	-.3452 (*****) P= .000	-.4212 (*****) P= .000	.5106 (*****) P= .000	-.5788 (*****) P= .000
FAMLAB	.0049 (*****) P= .005	.1018 (*****) P= .000	-.6099 (*****) P= .000	-.1279 (*****) P= .000	.4408 (*****) P= .000	-.3291 (*****) P= .000
CWPROP2	.0045 (*****) P= .008	.0983 (*****) P= .000	-.6124 (*****) P= .000	-.1179 (*****) P= .000	.4151 (*****) P= .000	-.3537 (*****) P= .000
CWPROP3	.0040 (*****) P= .019	.0959 (*****) P= .000	-.6240 (*****) P= .000	-.1113 (*****) P= .000	.4001 (*****) P= .000	-.3522 (*****) P= .000
WEPROP	.0003 (*****) P= .883	-.1205 (*****) P= .000	.5533 (*****) P= .000	.2898 (*****) P= .000	-.5484 (*****) P= .000	.1335 (*****) P= .000
WWPROP	.0132 (*****) P= .000	-.0959 (*****) P= .000	.6559 (*****) P= .000	.1541 (*****) P= .000	-.4688 (*****) P= .000	.0203 (*****) P= .000
MPROP	.0116 (*****) P= .000	-.0784 (*****) P= .000	.6372 (*****) P= .000	.2391 (*****) P= .000	-.4071 (*****) P= .000	.1707 (*****) P= .000
IM	.0185 (*****) P= .000	.0645 (*****) P= .000	-.4143 (*****) P= .000	-.3057 (*****) P= .000	.3672 (*****) P= .000	-.4243 (*****) P= .000

(Coefficient / (Cases) / 2-tailed Significance)

	SEC	C1218NS	C613NP	FAMLAB	CWPROP2	CWPROP3
CEB	-.0318	-.0009	.0304	.0049	.0045	.0040
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .603	P= .000	P= .005	P= .008	P= .019
OWN	-.0770	.1114	.1070	.1018	.0983	.0959
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
DEN	-.1355	-.7205	-.3452	-.6099	-.6124	-.6240
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
AVFMZ	.5290	-.2193	-.4212	-.1279	-.1179	-.1113
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
AVPPFM	-.3669	.5427	.5106	.4408	.4151	.4001
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
PRIM	.5614	-.2377	-.5788	-.3291	-.3537	-.3522
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
SEC	1.0000	-.1391	-.5374	-.0894	-.0987	-.0815
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .000	P= .000	P= .000
C1218NS	-.1391	1.0000	.6070	.8655	.8587	.8575
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .	P= .000	P= .000	P= .000	P= .000
C613NP	-.5374	.6070	1.0000	.6386	.6453	.6388
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .	P= .000	P= .000	P= .000
FAMLAB	-.0894	.8655	.6386	1.0000	.9844	.9814
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .	P= .000	P= .000
CWPROP2	-.0987	.8587	.6453	.9844	1.0000	.9983
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .	P= .000
CWPROP3	-.0815	.8575	.6388	.9814	.9983	1.0000
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .
WEPROP	.2539	-.8996	-.5454	-.7624	-.7420	-.7348
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
WWPROP	-.0158	-.9015	-.3899	-.7930	-.7542	-.7506
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
MPROP	.0457	-.7677	-.4898	-.6006	-.5886	-.5965
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000
IM	-.2634	.6252	.5470	.5878	.6084	.6122
	(*****)	(*****)	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000	P= .000	P= .000

(Coefficient / (Cases) / 2-tailed Significance)

" . " is printed if a coefficient cannot be computed

	WEPROP	WWPROP	MPROP	IM
CEB	.0003	.0132	.0116	.0185
	(*****)	(*****)	(*****)	(*****)
	P= .883	P= .000	P= .000	P= .000
OWN	-.1205	-.0959	-.0784	.0645
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
DEN	.5533	.6559	.6372	-.4143
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
AVFMZ	.2898	.1541	.2391	-.3057
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
AVPPFM	-.5484	-.4688	-.4071	.3672
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
PRIM	.1335	.0203	.1707	-.4243
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
SEC	.2539	-.0158	.0457	-.2634
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
C1218NS	-.8996	-.9015	-.7677	.6252
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
C613NP	-.5454	-.3899	-.4898	.5470
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
FAMLAB	-.7624	-.7930	-.6006	.5878
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
CWPROP2	-.7420	-.7542	-.5886	.6084
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
CWPROP3	-.7348	-.7506	-.5965	.6122
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .000
WEPROP	1.0000	.8468	.6016	-.5998
	(*****)	(*****)	(*****)	(*****)
	P= .	P= .000	P= .000	P= .000
WWPROP	.8468	1.0000	.7242	-.5219
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .	P= .000	P= .000
MPROP	.6016	.7242	1.0000	-.4833
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .	P= .000
IM	-.5998	-.5219	-.4833	1.0000
	(*****)	(*****)	(*****)	(*****)
	P= .000	P= .000	P= .000	P= .

(Coefficient / (Cases) / 2-tailed Significance)

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