

**APPENDIX 21**

**KEY VARIABLES 1989**

TOTAL FAMILY ASSETS EXCLUDING CAR \*/

ASSET, HOUSE, PROPDEBT, SAVE, BOND, STOCK, LOAN, IRA, INS, IFARM, IBUS, IREAL, DEBT=NA;  
 CAR=NA;

R(9995)>=1 & R(9995)<=8 THEN DO;

IF R(9628)=0 THEN HOUSE=0;

IF R(9630)>=0 THEN PROPDEBT = R(9630);

IF R(9630)=-1 THEN PROPDEBT = NA;

/\* HOUSE VALUE INCLUDED IN FARM \*/

ELSE IF R(9649)=1 & R(9629)<=R(9648) & R(9630)<=R(9650) & R(9648)^=NA &  
 R(9650)^=NA THEN HOUSE=0;

ELSE IF R(9629)>=0 & R(9630)>=0 THEN HOUSE=R(9629)-PROPDEBT;

IF HOUSE^=NA THEN ASSET=HOUSE;

ELSE C=C+1;

IF (R(9632)=0 | R(9761)=0) & R(9633)<0 THEN SAVE=0;

ELSE IF R(9633)>=0 THEN SAVE=R(9633);

IF SAVE^=NA THEN ASSET=ASSET+SAVE;

ELSE C=C+1;

IF (R(9634)=0 | R(9761)=0) & R(9635)<0 THEN BOND=0;

ELSE IF R(9635)>=0 THEN BOND=R(9635);

IF BOND^=NA THEN ASSET=ASSET+BOND;

ELSE C=C+1;

IF (R(9636)=0 | R(9761)=0) & R(9637)<0 THEN STOCK=0;

ELSE IF R(9637)>=0 THEN STOCK=R(9637);

IF STOCK^=NA THEN ASSET=ASSET+STOCK;

ELSE C=C+1;

IF R(9638)=0 & R(9639)<0 THEN LOAN=0;

ELSE IF R(9639)>=0 THEN LOAN=R(9639);

IF LOAN^=NA THEN ASSET=ASSET+LOAN;

ELSE C=C+1;

IF R(9640)=0 & R(9641)<0 THEN IRA=0;

ELSE IF R(9641)>=0 THEN IRA=R(9641);

IF IRA^=NA THEN ASSET=ASSET+IRA;

ELSE C=C+1;

IF R(9642)=0 & R(9646)<0 THEN INS=0;

ELSE IF R(9646)>=0 THEN INS=R(9646);

IF INS^=NA THEN ASSET=ASSET+INS;

ELSE C=C+1;

IF (R(9647)=0 | R(9753)=0) & R(9648)<0 & R(9650)<0 THEN IFARM=0;

ELSE IF R(9648)>=0 & R(9650)>=0 THEN IFARM=R(9648)-R(9650);

IF IFARM^=NA THEN ASSET=ASSET+IFARM;

ELSE C=C+1;

IF (R(9651)=0 | R(9677)=0 | R(9717)=0) & R(9652)<0 & R(9653)<0  
 THEN IBUS=0;

ELSE IF R(9652)>=0 & R(9653)>=0 THEN IBUS=R(9652)-R(9653);

IF IBUS^=NA THEN ASSET=ASSET+IBUS;

ELSE C=C+1;

IF (R(9654)=0 | R(9757)=0) & R(9655)<0 & R(9656)<0 & R(9657)<0  
 THEN IREAL=0;

ELSE IF R(9655)>=0 & R(9656)>=0 & R(9657)>=0  
 THEN IREAL=R(9655)-R(9656)-R(9657);

IF IREAL^=NA THEN ASSET=ASSET+IREAL;

ELSE C=C+1;

IF R(9664)=0 & R(9665)<0 THEN DEBT=0;

ELSE IF R(9665)>=0 THEN DEBT=R(9665);

IF DEBT^=NA THEN ASSET=ASSET-DEBT;

ELSE C=C+1;

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IF C>0 & ASSET>-99999 & ASSET<999999 THEN ASEXCAR=0;  
IF ASSET>NA & ASSET<=-99999 THEN ASEXCAR=-99999;  
IF ASSET>=999999 THEN ASEXCAR=999999;  
IF C=0 & ASSET>-99999 & ASSET<999999 THEN ASEXCAR=ASSET;  
END;
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WOMEN 1987 KEY VARIABLES

IN ORDER TO FOLLOW THE CREATION OF THE KEY VARIABLES  
ONE MUST MAKE THE FOLLOWING SUBSTITUTIONS

X(038)=R(7865)	X(286)=R(8136)	X(439)=R(8293)	X(576)=R(8540)
X(577)=R(8541)	X(578)=R(8542)	X(580)=R(8543)	X(581)=R(8545)
X(582)=R(8546)	X(583)=R(8547)	X(584)=R(8548)	X(585)=R(8549)
X(586)=R(8550)	X(587)=R(8551)	X(588)=R(8552)	X(589)=R(8553)
X(590)=R(8554)	X(591)=R(8555)	X(592)=R(8556)	X(593)=R(8557)
X(594)=R(8558)	X(595)=R(8559)	X(596)=R(8560)	X(597)=R(8561)
X(598)=R(8562)	X(603)=R(8567)	X(604)=R(8568)	X(605)=R(8569)
X(606)=R(8570)	X(607)=R(8571)	X(609)=R(8573)	X(610)=R(8576)
X(612)=R(8578)	X(613)=R(8579)	X(615)=R(8581)	X(616)=R(8582)
X(618)=R(8584)	X(621)=R(8586)	X(622)=R(8588)	X(624)=R(8590)
X(627)=R(8593)	X(629)=R(8595)	X(631)=R(8597)	X(633)=R(8599)
X(635)=R(8601)	X(637)=R(8603)	X(639)=R(8605)	X(641)=R(8607)
X(642)=R(8608)	X(643)=R(8609)	X(645)=R(8613)	X(646)=R(8614)
X(648)=R(8616)	X(649)=R(8617)	X(651)=R(8619)	X(652)=R(8620)
X(654)=R(8622)	X(656)=R(8624)	X(658)=R(8626)	X(660)=R(8628)
X(663)=R(8631)	X(665)=R(8633)	X(667)=R(8635)	X(669)=R(8637)
X(671)=R(8639)	X(673)=R(8641)	X(675)=R(8643)	X(676)=R(8644)
X(677)=R(8645)	X(678)=R(8648)	X(679)=R(8649)	X(680)=R(8652)
X(681)=R(8653)	X(683)=R(8655)	X(684)=R(8656)	X(686)=R(8658)
X(687)=R(8659)	X(689)=R(8661)	X(690)=R(8662)	X(692)=R(8664)
X(694)=R(8666)	X(695)=R(8668)	X(698)=R(8671)	X(699)=R(8671)
X(700)=R(8672)	X(789)=R(8841)	X(792)=R(8135)	X(793)=R(8135)
X(438)=R(8292)			

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/* TOTAL FAMILY INCOME, WOMEN 1989 */
COMBINATIONS & RECODING TO ZERO BASED ON 'NO' TO LEAD-IN OCCURRED */
BEFORE THIS CREATION */
HUSBAND,RES=0;
HWKS,RWAGE,RBUS,RUNEM,RSUB,RSOC,RVET,RCOM,RSSD,RDIS,REPRI,REMIL,REFED,
RESTE,REUNI,REIRA,REOTH=NA;
RWAGE,SBUS,SUNEM,SSUB,SSOC,SVET,SCOM,SSSD,SDIS,SREPRI,SREMIL,SREFED,SRESTE,
SREUNI,SREIRA,SREOTH=NA;
FARM,RENT,INTT,FOODS,AFDC,SSI,ALI,CHILD,FMEMS,OTHER,FAM,FAMINC=NA;
IF R(9326)=1 THEN HUSBAND=1;
IF HUSBAND=1 THEN HWKS=R(9327);
IF R(9995)=1 | R(9995)=2 | R(8911)=2 | R(8912)>0 THEN RES=1;
ELSE RES=0;
IF RES=0 & R(9676)<0 THEN RWAGE=0;
ELSE IF R(9676)>=0 THEN RWAGE=R(9676);

/* IF NO INVESTMENT IN BUSINESS & BUSINESS INCOME IS NA */
IF R(9651)=0 & (R(9652)=-1 | R(9652)=NA) THEN RBUS=0;
ELSE IF R(9678)>NA & R(9678)^=-2 & R(9678)^=-1 THEN RBUS=R(9678);
IF R(9682)>=0 & R(9683)>=0 THEN RUNEM=R(9682)*R(9683);

/* IF UNEMPLOYMENT IS 0 AND SUB PAY IS MISSING, IT IS ASSUMED SUB PAY */
/* SHOULD BE 0 */
IF RUNEM=0 & R(9685)<0 & R(9686)<0 THEN RSUB=0;
IF R(9685)>=0 & R(9686)>=0 THEN RSUB=R(9685)*R(9686);
IF R(9688)>=0 & R(9689)>=0 THEN RSOC=R(9688)*R(9689);
IF R(9692)>=0 THEN RVET=R(9692);
IF R(9694)>=0 THEN RCOM=R(9694);
IF R(9696)>=0 THEN RSSD=R(9696);
IF R(9698)>=0 THEN RDIS=R(9698);
IF R(9701)>=0 THEN REPRI=R(9701);
IF R(9703)>=0 THEN REMIL=R(9703);
IF R(9705)>=0 THEN REFED=R(9705);
IF R(9707)>=0 THEN RESTE=R(9707);
IF R(9709)>=0 THEN REUNI=R(9709);
IF R(9711)>=0 THEN REIRA=R(9711);
IF R(9713)>=0 THEN REOTH=R(9713);
IF (HUSBAND^=1 | HWKS<=0) & R(9716)<0 THEN SWAGE=0;
ELSE IF R(9716)>=0 THEN SWAGE=R(9716);
IF (R(9651)=0 | HUSBAND=0 | HWKS<=0) & (R(9718)=-1 | R(9718)=NA)
THEN SBUS=0;
ELSE IF R(9718)>NA & R(9718)^=-1 & R(9718)^=-2 THEN SBUS=R(9718);
IF HUSBAND^=1 & R(9722)<0 & R(9723)<0 THEN SUNEM=0;
ELSE IF R(9722)>=0 & R(9723)>=0 THEN SUNEM=R(9722)*R(9723);
IF (HUSBAND^=1 | SUNEM=0) & R(9725)<0 & R(9726)<0 THEN SSUB=0;
ELSE IF R(9725)>=0 & R(9726)>=0 THEN SSUB=R(9725)*R(9726);
IF HUSBAND^=1 & R(9728)<0 & R(9729)<0 THEN SSOC=0;
ELSE IF R(9728)>=0 & R(9729)>=0 THEN SSOC=R(9728)*R(9729);
IF HUSBAND^=1 & R(9731)<0 THEN SVET=0;
ELSE IF R(9731)>=0 THEN SVET=R(9731);
IF HUSBAND^=1 & R(9733)<0 THEN SCOM=0;
ELSE IF R(9733)>=0 THEN SCOM=R(9733);
IF HUSBAND^=1 & R(9735)<0 THEN SSSD=0;
ELSE IF R(9735)>=0 THEN SSSD=R(9735);
IF HUSBAND^=1 & R(9737)<0 THEN SDIS=0;
ELSE IF R(9737)>=0 THEN SDIS=R(9737);
IF HUSBAND^=1 & R(9740)<0 THEN SREPRI=0;
ELSE IF R(9740)>=0 THEN SREPRI=R(9740);
IF HUSBAND^=1 & R(9742)<0 THEN SREMIL=0;

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ELSE IF R(9742)>=0 THEN SREMIL=R(9742);
IF HUSBAND^=1 & R(9744)<0 THEN SREFED=0;
LSE IF R(9744)>=0 THEN SREFED=R(9744);
HUSBAND^=1 & R(9746)<0 THEN SRESTE=0;
ELSE IF R(9746)>=0 THEN SRESTE=R(9746);
IF HUSBAND^=1 & R(9748)<0 THEN SREUNI=0;
LSE IF R(9748)>=0 THEN SREUNI=R(9748);
IF HUSBAND^=1 & R(9750)<0 THEN SREIRA=0;
ELSE IF R(9750)>=0 THEN SREIRA=R(9750);
IF HUSBAND^=1 & R(9752)<0 THEN SREOTH=0;
ELSE IF R(9752)>=0 THEN SREOTH=R(9752);
IF R(9754)>NA & R(9754)^=-1 & R(9754)^=-2 THEN FARM=R(9754);
IF R(9758)>NA & R(9758)^=-1 & R(9758)^=-2 THEN RENT=R(9758);
IF R(9762)>=0 THEN INTT=R(9762);
IF R(9764)>=0 & R(9765)>=0 THEN FOODS=R(9764)*R(9765);
IF R(9767)>=0 & R(9768)>=0 THEN AFDC=R(9767)*R(9768);
IF R(9770)>=0 & R(9771)>=0 THEN SSI=R(9770)*R(9771);
IF R(9773)>=0 THEN ALI=R(9773);
IF R(9777)>=0 THEN CHILD=R(9777);
IF R(9781)>=0 THEN FMEMS=R(9781);
IF R(9783)>=0 THEN OTHER=R(9783);
IF R(9784)=0 & R(9785)<=0 THEN FAM=0;

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ELSE IF R(9784)=1 THEN DO;
    IF R(9785)=0 THEN FAM=0;
    ELSE IF R(9785)=1 THEN FAM=1000;
    ELSE IF R(9785)=2 THEN FAM=1500;
    ELSE IF R(9785)=3 THEN FAM=2500;
    ELSE IF R(9785)=4 THEN FAM=3500;
    ELSE IF R(9785)=5 THEN FAM=4500;
    ELSE IF R(9785)=6 THEN FAM=5500;
    ELSE IF R(9785)=7 THEN FAM=6750;
    ELSE IF R(9785)=8 THEN FAM=8750;
    ELSE IF R(9785)=9 THEN FAM=12500;
    ELSE IF R(9785)=10 THEN FAM=20000;
    ELSE IF R(9785)=11 THEN FAM=38000;
    ELSE IF R(9785)=12 THEN FAM=50000;
    ELSE IF R(9785)=DK THEN FAM=NA; ;
END;

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AA=0; BB=0; CC=0; DD=0;
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IF RWAGE^=NA & RBUS^=NA & RUNEM^=NA & RSUB^=NA & RSOC^=NA & RVET^=NA &
RCOM^=NA & RSSD^=NA & RDIS^=NA & REPRI^=NA & REMIL^=NA & REFED^=NA &
RESTE^=NA & REUNI^=NA & REIRA^=NA & REOTH^=NA THEN AA=1;
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IF SWAGE^=NA & SBUS^=NA & SUNEM^=NA & SSUB^=NA THEN BB=1;
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IF SSOC^=NA & SVET^=NA & SCOM^=NA & SSSD^=NA & SDIS^=NA & SREPRI^=NA &
SREMIL^=NA & SREFED^=NA & SRESTE^=NA & SREUNI^=NA & SREIRA^=NA &
SREOTH^=NA THEN CC=1;
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IF FARM^=NA & INTT^=NA & FOODS^=NA & RENT^=NA &
AFDC^=NA & SSI^=NA & ALI^=NA & CHILD^=NA & FMEMS^=NA
& OTHER^=NA & FAM^=NA THEN DD=1;
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IF AA=1 & BB=1 & CC=1 & DD=1
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THEN FAMINC=RWAGE+RBUS+RUNEM+RSUB+RSOC+RVET+RCOM+RSSD+RDIS+
REPRI+REMIL+REFED+RESTE+REUNI+REIRA+REOTH+
SWAGE+SBUS+SUNEM+SSUB+SSOC+
SVET+SCOM+SSSD+SDIS+SREPRI+SREMIL+SREFED+SRESTE+SREUNI+
SREIRA+SREOTH+
FARM+RENT+INTT+FOODS+AFDC+SSI+ALI+CHILD+FMEMS+OTHER+FAM;
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ELSE FAMINC=NA;
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WORK, WUMP AND WOLF - THE KEY VARIABLES HAVE TO BE DONE DIFFERENTLY THIS \*  
\* YEAR BECAUSE OF THE CHANGES ON THE QUESTIONNAIRE WHERE THE EMPLOYERS WERE \*  
/\* RESTRICTED TO THOSE OF THREE MONTH OR MORE - GIVEN THIS THE BEST BET MAY \*  
/\* BE TO PICK UP THE ITEMS DIRECTLY FROM THE QUESTIONNAIRE, CHECK THEM FOR \*  
CONSISTENCY AND SENSE AND THEN USE THESE ITEMS AS THE BASIS FOR THE KEYS \*/

WORK, WUMP, WOLF, WILF, QWBID = NA;

WILF = R(9180);  
QWBID = R(9179);  
IF R(9176) >= 0 THEN WORK = R(9176);  
IF R(9177) = 0 & R(9178) = NA THEN WUMP = 0;  
IF R(9178) >= 0 THEN WUMP = R(9178);  
IF QWBID >= 0 & WORK >= 0 & WUMP >= 0 THEN  
WOLF = QWBID - (WORK + WUMP);  
IF WOLF < 0 THEN WOLF = NA;