

Appendix 5: Income and Assets Variable Creation

HOUSEHOLD INCOME AND ASSETS

Variables Created: CV_HH_NET_WORTH_P CV_HH_NET_WORTH_Y
 CV_INCOME_GROSS_YR CV_HH_INCOME_SOURCE
 CV_HH_POV_RATIO

Variables Used

| Name in Program | Question Name on CD | Name in Program | Question Name on CD |
|---------------------|-------------------------|---------------------|-------------------------|
| YI_300 | YINC-300 | YI_17900 | YINC-17900 |
| YI_400 | YINC-400 | YI_18000 | YINC-18000 |
| YI_1400 – YI_2700 | YINC-1400 – YINC-2700 | YI_18100 – YI_19900 | YINC-18100 – YINC-19900 |
| YI_2900 | YINC-2900 | YI_20000 – YI_20500 | YINC-20000 – YINC-20500 |
| YI_3000 | YINC-3000 | YI_20800 | YINC-20800 |
| YI_3100 | YINC-3100 | I2100001–20 | YINC-21000_001–_020 |
| YI_3300 | YINC-3300 | I2140001–20 | YINC-21400.01–.20 |
| YI_3400 | YINC-3400 | I2170001–20 | YINC-21700.01–.20 |
| YI_3900 – YI_5400 | YINC-3900 – YINC-5400 | I2180001–20 | YINC-21800.01–.20 |
| YI_55001–07 | YINC-5500_001–5500_007 | I2190009 | YINC-21900.09 |
| YI_5600 – YI_6300 | YINC-5600 – YINC-6300 | YI_22100 – YI_22300 | YINC-22100 – YINC-22300 |
| YI_6310 | YINC-6310 | PUBID | PUBID |
| YI_6320 | YINC-6320 | P5_010 | P5-010 |
| YI_6400 – YI_6900 | YINC-6400 – YINC-6900 | P5_011 | P5-011 |
| YI_6910 – YI_6940 | YINC-6910 – YINC-6940 | P5_012 | P5-012 |
| YI_7000 – YI_7500 | YINC-7000 – YINC-7500 | P5_016 – P5_023 | P5-016 – P5-023 |
| YI_7510 – YI_7540 | YINC-7510 – YINC-7540 | P5_028 | P5-028 |
| YI_7600 – YI_9900 | YINC-7600 – YINC-9900 | P5_029 | P5-029 |
| YI_10000 – YI_10700 | YINC-10000 – YINC-10700 | P5_031 – P5_033 | P5031 – P5-033 |
| I111001–09 | YINC-11100.01–.09 | P5_045 – P5_050 | P5-045 – P5-050 |
| I111101–08 | YINC-11110.01–.08 | P5_052 – P5_057 | P5-052 – P5-057 |
| I112001–08 | YINC-11200.01–.08 | P5_063 – P5_069 | P5-063 – P5-069 |
| I116001–08 | YINC-11600.01–.08 | P5_071 | P5-071 |
| I117001–08 | YINC-11700.01–.08 | P5_07301–09 | P5-073.01–.09 |
| YI_12200 – YI_15200 | YINC-12200 – YINC-15200 | P5_07401–09 | P5-074.01–.09 |
| YI_15800 – YI_16700 | YINC-15800 – YINC-16700 | P5_07701–09 | P5-077.01–.09 |
| I1680001–20 | YINC-16800.01–.20 | P5_07801–09 | P5-078.01–.09 |
| YI_16900 | YINC-16900 | P5_082 – P5_099 | P5-082 – P5-099 |
| YI_17000 | YINC-17000 | P5_100 – P5_105 | P5-100 – P5_105 |
| YI_17100 | YINC-17100 | P5_112 – P5_122 | P5-112 – P5-122 |
| YI_17200 | YINC-17200 | P5_124 – P5_156 | P5-124 – P5-156 |
| YI_17300 | YINC-17300 | PNORCID | PNORCID |
| YI_17400 | YINC-17400 | KAGE | KEY!AGE |
| YI_17500 | YINC-17500 | PUBID | PUBID |
| YI_17600 | YINC-17600 | PINF20 | PINF-020 |
| YI_17700 | YINC-17700 | PARYTHID | PARYOUTH_ID |
| YI_17800 | YINC-17800 | PARYTHR | PARYOUTH_PARENT |

This program creates the Household Net Worth and Gross Household Income variables (according to information collected from the parent and youth). The household net worth variables according to the parent (hhworthp) and to the youth (hhworthY) are actual numbers that result from taking all assets and subtracting liabilities of the household. The gross household income according to the parent (groshhlp) and to the youth (groshhly) includes total annual cash receipts before taxes from all sources. An indicator variable is also created to record whether the household income was according to the parent or youth. Finally, a variable is created indicating the ratio of household income to the poverty level.

/***/SECTION 1: PARENT HOUSEHOLD NET WORTH AND GROSS HOUSEHOLD INCOME ***/

flag=0;

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/*First, create a variable indicating net receipts from non-farm employment earned by the R, such as wages (nfarmwgr). */

```
nfarmwgr=0;
if (P5_010=1 or P5_011=1) and P5_016 not in (-1, -2, -3) then nfarmwgr=P5_016;
if (P5_010=1 or P5_011=1) and (P5_016 eq -1 or P5_016 eq -2 or P5_016 eq -3) then do;
    if P5_017=1 then do; nfarmwgr=2500; flag=1; end;
    if P5_017=2 then do; nfarmwgr=7500; flag=1; end;
    if P5_017=3 then do; nfarmwgr=17500; flag=1; end;
    if P5_017=4 then do; nfarmwgr=37500; flag=1; end;
    if P5_017=5 then do; nfarmwgr=75000; flag=1; end;
    if P5_017=6 then do; nfarmwgr=175000; flag=1; end;
    if P5_017=7 then do; nfarmwgr=250001; flag=1; end;
end;
if P5_011=-2 or P5_017=-2 then nfarmwgr=-2;
if P5_012=-1 or P5_017=-1 then nfarmwgr=-1;
if P5_011=-3 or P5_012=-3 or P5_017=-3 then nfarmwgr=-3;
```

/*Second, create a variable indicating net receipts from farm self-employment earned by the R (farmwgr)*/

```
farmwgr=0;
if P5_018=1 and P5_019 not in (-1, -2, -3) then farmwgr=P5_019;
if P5_018=1 and (P5_019 eq -1 or P5_019 eq -2 or P5_019 eq -3) then do;
    if P5_020=1 then do; farmwgr=-2; flag=1; end;
    if P5_020=2 then do; farmwgr=2500; flag=1; end;
    if P5_020=3 then do; farmwgr=7500; flag=1; end;
    if P5_020=4 then do; farmwgr=17500; flag=1; end;
    if P5_020=5 then do; farmwgr=37500; flag=1; end;
    if P5_020=6 then do; farmwgr=75000; flag=1; end;
    if P5_020=7 then do; farmwgr=175000; flag=1; end;
    if P5_020=8 then do; farmwgr=250001; flag=1; end;
end;
if P5_018=-1 or P5_020=-1 then farmwgr=-1;
if P5_018=-2 or P5_020=-2 then farmwgr=-2;
if P5_018=-3 or P5_020=-3 then farmwgr=-3;
```

/*Third, create the above variables for the R's spouse/partner: nfarmwgrS and farmwgrS respectively */

```
nfarmwgrS=0;
if P5_021=1 and P5_022=1 and P5_028 not in (-1, -2, -3) then nfarmwgrS=P5_028;
if P5_021=1 and P5_022=1 and (P5_028 eq -1 or P5_028 eq -2 or P5_028 eq -3) then do;
    if P5_029=1 then do; nfarmwgrS=2500; flag=1; end;
    if P5_029=2 then do; nfarmwgrS=7500; flag=1; end;
    if P5_029=3 then do; nfarmwgrS=17500; flag=1; end;
    if P5_029=4 then do; nfarmwgrS=37500; flag=1; end;
    if P5_029=5 then do; nfarmwgrS=75000; flag=1; end;
    if P5_029=6 then do; nfarmwgrS=175000; flag=1; end;
    if P5_029=7 then do; nfarmwgrS=250001; flag=1; end;
end;
if P5_022=-1 or P5_029=-1 then nfarmwgrS=-1;
if P5_022=-2 or P5_029=-2 then nfarmwgrS=-2;
if P5_022=-3 or P5_029=-3 then nfarmwgrS=-3;
```

```
farmwgrS=0;
if P5_021=1 and P5_031=1 and P5_032 not in (-1, -2, -3) then farmwgrS=P5_032;
if P5_021=1 and P5_031=1 and (P5_032 eq -1 or P5_032 eq -2 or P5_032 eq -3) then do;
    if P5_033=1 then do; farmwgrS=-2; flag=1; end;
    if P5_033=2 then do; farmwgrS=2500; flag=1; end;
    if P5_033=3 then do; farmwgrS=7500; flag=1; end;
    if P5_033=4 then do; farmwgrS=17500; flag=1; end;
```

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```
    if P5_033=5 then do; farmwgS=37500; flag=1; end;
    if P5_033=6 then do; farmwgS=75000; flag=1; end;
    if P5_033=7 then do; farmwgS=175000; flag=1; end;
    if P5_033=8 then do; farmwgS=250001; flag=1; end;
    end;
if P5_031=-1 or P5_033=-1 then farmwgS=-1;
if P5_031=-2 or P5_033=-2 then farmwgS=-2;
if P5_031=-3 or P5_033=-3 then farmwgS=-3;

/*Fourth, create a variable capturing the earned interests by the R and spouse (S) from various accounts */
interest=0;
if P5_045=1 and P5_046 not in (-1, -2, -3) then interest=P5_046;
if P5_045=1 and (P5_046 eq -1 or P5_046 eq -2 or P5_046 eq -3) then do;
    if P5_047=1 then do; interest=500; flag=1; end;
    if P5_047=2 then do; interest=1750; flag=1; end;
    if P5_047=3 then do; interest=3750; flag=1; end;
    if P5_047=4 then do; interest=7500; flag=1; end;
    if P5_047=5 then do; interest=17500; flag=1; end;
    if P5_047=6 then do; interest=37500; flag=1; end;
    if P5_047=7 then do; interest=50001; flag=1; end;
    end;
if P5_045 eq -1 or P5_047=-1 then interest=-1;
if P5_045 eq -2 or P5_047=-2 then interest=-2;
if P5_045 eq -3 or P5_047=-3 then interest=-3;

/*Fifth, create a variable capturing any received AFDC or ADC */
AFDCADC=0;
if P5_048=1 and P5_049 not in (-1, -2, -3) then AFDCADC=P5_049;
if P5_048=1 and (P5_049 eq -1 or P5_049 eq -2 or P5_049 eq -3) then do;
    if P5_050=1 then do; AFDCADC=250; flag=1; end;
    if P5_050=2 then do; AFDCADC=750; flag=1; end;
    if P5_050=3 then do; AFDCADC=1750; flag=1; end;
    if P5_050=4 then do; AFDCADC=3750; flag=1; end;
    if P5_050=5 then do; AFDCADC=6250; flag=1; end;
    if P5_050=6 then do; AFDCADC=8750; flag=1; end;
    if P5_050=7 then do; AFDCADC=10001; flag=1; end;
    end;
if P5_048=-1 or P5_050=-1 then AFDCADC=-1;
if P5_048=-2 or P5_050=-2 then AFDCADC=-2;
if P5_048=-3 or P5_050=-3 then AFDCADC=-3;

/*Sixth, create a variable indicating whether any food stamps are collected */
foodst=0;
if P5_052=1 and P5_053 not in (-1, -2, -3) then foodst=P5_053;
if P5_052=1 and (P5_053 eq -1 or P5_053 eq -2 or P5_053 eq -3) then do;
    if P5_054=1 then do; foodst=250; flag=1; end;
    if P5_054=2 then do; foodst=750; flag=1; end;
    if P5_054=3 then do; foodst=1750; flag=1; end;
    if P5_054=4 then do; foodst=3750; flag=1; end;
    if P5_054=5 then do; foodst=6250; flag=1; end;
    if P5_054=6 then do; foodst=8750; flag=1; end;
    if P5_054=7 then do; foodst=10001; flag=1; end;
    end;
if P5_052=-1 or P5_054=-1 then foodst=-1;
if P5_052=-2 or P5_054=-2 then foodst=-2;
if P5_052=-3 or P5_054=-3 then foodst=-3;
```

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```
/*Seventh, create a variable indicating whether the R and S received any SSI */
SSI=0;
if P5_055=1 and P5_056 not in (-1, -2, -3) then SSI=P5_056;
if P5_055=1 and (P5_056 eq -1 or P5_056 eq -2 or P5_056 eq -3) then do;
    if P5_057=1 then do; SI=250; flag=1; end;
    if P5_057=2 then do; SSI=750; flag=1; end;
    if P5_057=3 then do; SSI=1750; flag=1; end;
    if P5_057=4 then do; SSI=3750; flag=1; end;
    if P5_057=5 then do; SSI=6250; flag=1; end;
    if P5_057=6 then do; SSI=8750; flag=1; end;
    if P5_057=7 then do; SSI=10001; flag=1; end;
end;
if P5_055=-1 or P5_057=-1 then SSI=-1;
if P5_055=-2 or P5_057=-2 then SSI=-2;
if P5_055=-3 or P5_057=-3 then SSI=-3;

/*Eighth, create a variable indicating whether they collected any child support */
childsup=0;
if P5_064=1 and P5_065 not in (-1, -2, -3) then childsup=P5_065;
if P5_064=1 and (P5_065 eq -1 or P5_065 eq -2 or P5_065 eq -3) then do;
    if P5_066=1 then do; childsup=500; flag=1; end;
    if P5_066=2 then do; childsup=1750; flag=1; end;
    if P5_066=3 then do; childsup=3750; flag=1; end;
    if P5_066=4 then do; childsup=7500; flag=1; end;
    if P5_066=5 then do; childsup=17500; flag=1; end;
    if P5_066=6 then do; childsup=37500; flag=1; end;
    if P5_066=7 then do; childsup=50001; flag=1; end;
end;
if P5_064=-1 or P5_066=-1 then childsup=-1;
if P5_064=-2 or P5_066=-2 then childsup=-2;
if P5_064=-3 or P5_066=-3 then childsup=-3;

/* Next create another variable capturing any rental income, as well as workers' compensation benefits,
welfare and unemployment benefits, from the R and S */
rentalI=0;
if P5_067=1 and P5_068 not in (-1, -2, -3) then rentalI=P5_068;
if P5_067=1 and (P5_068 eq -1 or P5_068 eq -2 or P5_068 eq -3) then do;
    if P5_069=1 then do; rentalI=500; flag=1; end;
    if P5_069=2 then do; rentalI=1750; flag=1; end;
    if P5_069=3 then do; rentalI=3750; flag=1; end;
    if P5_069=4 then do; rentalI=7500; flag=1; end;
    if P5_069=5 then do; rentalI=17500; flag=1; end;
    if P5_069=6 then do; rentalI=37500; flag=1; end;
    if P5_069=7 then do; rentalI=50001; flag=1; end;
end;
if P5_067=-1 or P5_069=-1 then rentalI=-1;
if P5_067=-2 or P5_069=-2 then rentalI=-2;
if P5_067=-3 or P5_069=-3 then rentalI=-3;

/*Now a variable capturing any income from any family member older than 14 other than R and spouse (S) */
array famI famI01 famI02 famI03 famI04 famI05 famI06 famI07 famI08 famI09;
array P5_073 P5_07301 P5_07302 P5_07303 P5_07304 P5_07305 P5_07306 P5_07307 P5_07308 P5_07309;
array P5_074 P5_07401 P5_07402 P5_07403 P5_07404 P5_07405 P5_07406 P5_07407 P5_07408 P5_07409;
array P5_077 P5_07701 P5_07702 P5_07703 P5_07704 P5_07705 P5_07706 P5_07707 P5_07708 P5_07709;
array P5_078 P5_07801 P5_07802 P5_07803 P5_07804 P5_07805 P5_07806 P5_07807 P5_07808 P5_07809;

do I=1 to 9;
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```
famI(I)=0;
if P5_073(I)=0 and P5_074(I)=0 then famI(I)=(P5_077(I)+P5_078(I));
if P5_073(I)=-1 or P5_074(I)=-1 or P5_077(I)=-1 or P5_078(I)=-1 then famI(I)=-1;
if P5_073(I)=-2 or P5_074(I)=-2 or P5_077(I)=-2 or P5_078(I)=-2 then famI(I)=-2;
if P5_073(I)=-3 or P5_074(I)=-3 or P5_077(I)=-3 or P5_078(I)=-3 then famI(I)=-3;
end;

/*A variable indicating the value of the property if the R lives in a ranch or farm */
pvbranch=0;
if P5_082=1 and P5_084=1 and P5_086 not in (-1, -2, -3) then pvbranch=P5_086;
if P5_082=1 and P5_084=1 and (P5_086 eq -1 or P5_086 eq -2 or P5_086 eq -3) then do;
    if P5_087=1 then do; pvbranch=12500; flag=1; end;
    if P5_087=2 then do; pvbranch=37500; flag=1; end;
    if P5_087=3 then do; pvbranch=75000; flag=1; end;
    if P5_087=4 then do; pvbranch=175000; flag=1; end;
    if P5_087=5 then do; pvbranch=375000; flag=1; end;
    if P5_087=6 then do; pvbranch=750000; flag=1; end;
    if P5_087=7 then do; pvbranch=1000001; flag=1; end;
end;
if P5_082=1 and P5_084=2 and P5_088 not in (-1, -2, -3) and P5_091 not in (-1, -2, -3) then pvbranch=P5_091;
if P5_082=1 and P5_084=2 and P5_088 not in (-1, -2, -3) and (P5_091= -1 | P5_091= -2 | P5_091= -3) then do;
    if P5_092=1 then do; pvbranch=12500; flag=1; end;
    if P5_092=2 then do; pvbranch=37500; flag=1; end;
    if P5_092=3 then do; pvbranch=75000; flag=1; end;
    if P5_092=4 then do; pvbranch=175000; flag=1; end;
    if P5_092=5 then do; pvbranch=375000; flag=1; end;
    if P5_092=6 then do; pvbranch=750000; flag=1; end;
    if P5_092=7 then do; pvbranch=1000001; flag=1; end;
end;
if P5_082=1 and P5_084=2 and P5_088 ge 1 and P5_089 not in (-1, -2, -3) then pvbranch=P5_089;
if P5_082=1 and P5_084=2 and P5_088 ge 1 and (P5_089 eq -1 or P5_089 eq -2 or P5_089 eq -3) then do;
    if P5_090=1 then do; pvbranch=12500; flag=1; end;
    if P5_090=2 then do; pvbranch=37500; flag=1; end;
    if P5_090=3 then do; pvbranch=75000; flag=1; end;
    if P5_090=4 then do; pvbranch=175000; flag=1; end;
    if P5_090=5 then do; pvbranch=375000; flag=1; end;
    if P5_090=6 then do; pvbranch=750000; flag=1; end;
    if P5_090=7 then do; pvbranch=1000001; flag=1; end;
end;
if P5_082=-1 or P5_084=-1 or P5_087=-1 or P5_090=-1 or P5_092=-1 then pvbranch=-1;
if P5_082=-2 or P5_084=-2 or P5_087=-2 or P5_090=-2 or P5_092=-2 then pvbranch=-2;
if P5_082=-3 or P5_084=-3 or P5_087=-3 or P5_090=-3 or P5_092=-3 then pvbranch=-3;

/*A variable indicating the value of the property if the R lives in a mobile home */
pvmobile=0;
if P5_083=1 and P5_093=1 and P5_095 not in (-1, -2, -3) then pvmobile=P5_095;
if P5_083=1 and P5_093=1 and (P5_095 eq -1 or P5_095 eq -2 or P5_095 eq -3) then do;
    if P5_096=1 then do; pvmobile=12500; flag=1; end;
    if P5_096=2 then do; pvmobile=37500; flag=1; end;
    if P5_096=3 then do; pvmobile=75000; flag=1; end;
    if P5_096=4 then do; pvmobile=175000; flag=1; end;
    if P5_096=5 then do; pvmobile=375000; flag=1; end;
    if P5_096=6 then do; pvmobile=750000; flag=1; end;
    if P5_096=7 then do; pvmobile=1000001; flag=1; end;
end;
if P5_083=1 and P5_093=2 and P5_097 not in (-1, -2, -3) then pvmobile=P5_097;
if P5_083=1 and P5_093=2 and (P5_097 eq -1 or P5_097 eq -2 or P5_097 eq -3) then do;
```

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```
if P5_098=1 then do; pvmobile=2500; flag=1; end;
if P5_098=2 then do; pvmobile=7500; flag=1; end;
if P5_098=3 then do; pvmobile=17500; flag=1; end;
if P5_098=4 then do; pvmobile=37500; flag=1; end;
if P5_098=5 then do; pvmobile=75000; flag=1; end;
if P5_098=6 then do; pvmobile=175000; flag=1; end;
if P5_098=7 then do; pvmobile=250001; flag=1; end;
end;
if P5_083=1 and P5_093=3 and P5_099 not in (-1, -2, -3) then pvmobile=P5_099;
if P5_083=1 and P5_093=3 and (P5_099 eq -1 or P5_099 eq -2 or P5_099 eq -3) then do;
  if P5_100=1 then do; pvmobile=2500; flag=1; end;
  if P5_100=2 then do; pvmobile=7500; flag=1; end;
  if P5_100=3 then do; pvmobile=17500; flag=1; end;
  if P5_100=4 then do; pvmobile=37500; flag=1; end;
  if P5_100=5 then do; pvmobile=75000; flag=1; end;
  if P5_100=6 then do; pvmobile=175000; flag=1; end;
  if P5_100=7 then do; pvmobile=250001; flag=1; end;
end;
if P5_083=-1 or P5_093=-1 or P5_096=-1 or P5_098=-1 or P5_100=-1 then pvmobile=-1;
if P5_083=-2 or P5_093=-2 or P5_096=-2 or P5_098=-2 or P5_100=-2 then pvmobile=-2;
if P5_083=-3 or P5_093=-3 or P5_096=-3 or P5_098=-3 or P5_100=-3 then pvmobile=-3;

/*A variable indicating the value of the property if the R lives in a house */
pvhouse=0;
if P5_101=1 and P5_112 not in (-1, -2, -3) then pvhouse=P5_112;
if P5_101=1 and (P5_112 eq -1 or P5_112 eq -2 or P5_112 eq -3) then do;
  if P5_113=1 then do; pvhouse=12500; flag=1; end;
  if P5_113=2 then do; pvhouse=37500; flag=1; end;
  if P5_113=3 then do; pvhouse=75000; flag=1; end;
  if P5_113=4 then do; pvhouse=175000; flag=1; end;
  if P5_113=5 then do; pvhouse=375000; flag=1; end;
  if P5_113=6 then do; pvhouse=750000; flag=1; end;
  if P5_113=7 then do; pvhouse=1000000; flag=1; end;
end;
if P5_101=-1 or P5_113=-1 then pvhouse=-1;
if P5_101=-2 or P5_113=-2 then pvhouse=-2;
if P5_101=-3 or P5_113=-3 then pvhouse=-3;

/*A variable indicating any mortgage or land contract, and second mortgages */
mortgage=0;
if (P5_114=1 or P5_114=2) and P5_115 not in (-1, -2, -3) then mortgage=P5_115;
if (P5_114=1 or P5_114=2) and (P5_115 eq -1 or P5_115 eq -2 or P5_115 eq -3) then do;
  if P5_116=1 then do; mortgage=12500; flag=1; end;
  if P5_116=2 then do; mortgage=37500; flag=1; end;
  if P5_116=3 then do; mortgage=75000; flag=1; end;
  if P5_116=4 then do; mortgage=175000; flag=1; end;
  if P5_116=5 then do; mortgage=375000; flag=1; end;
  if P5_116=6 then do; mortgage=750000; flag=1; end;
  if P5_116=7 then do; mortgage=1000001; flag=1; end;
end;
if P5_114=-1 or P5_116=-1 then mortgage=-1;
if P5_114=-2 or P5_116=-2 then mortgage=-2;
if P5_114=-3 or P5_116=-3 then mortgage=-3;

/* If a second mortgage... */
secondmg=0;
if P5_117=1 and P5_118 not in (-1, -2, -3) then secondmg=P5_118;
```

Appendix 5: Income and Assets Variable Creation

```
if P5_117=1 and (P5_118 eq -1 or P5_118 eq -2 or P5_118 eq -3) then do;
  if P5_119=1 then do; secondmg=2500; flag=1; end;
  if P5_119=2 then do; secondmg=7500; flag=1; end;
  if P5_119=3 then do; secondmg=17500; flag=1; end;
  if P5_119=4 then do; secondmg=37500; flag=1; end;
  if P5_119=5 then do; secondmg=75000; flag=1; end;
  if P5_119=6 then do; secondmg=175000; flag=1; end;
  if P5_119=7 then do; secondmg=250001; flag=1; end;
end;
if P5_117=-1 or P5_119=-1 then secondmg=-1;
if P5_117=-2 or P5_119=-2 then secondmg=-2;
if P5_117=-3 or P5_119=-3 then secondmg=-3;

/*A variable indicating whether the R and S own a business, partnership or professional practice */
ownbuss=0;
if P5_120=1 and P5_121 not in (-1, -2, -3) then ownbuss=P5_121;
if P5_120=1 and (P5_121 eq -1 or P5_121 eq -2 or P5_121 eq -3) then do;
  if P5_122=1 then do; ownbuss=12500; flag=1; end;
  if P5_122=2 then do; ownbuss=37500; flag=1; end;
  if P5_122=3 then do; ownbuss=75000; flag=1; end;
  if P5_122=4 then do; ownbuss=175000; flag=1; end;
  if P5_122=5 then do; ownbuss=375000; flag=1; end;
  if P5_122=6 then do; ownbuss=750000; flag=1; end;
  if P5_122=7 then do; ownbuss=1000001; flag=1; end;
end;
if P5_120=-1 or P5_122=-1 then ownbuss=-1;
if P5_120=-2 or P5_122=-2 then ownbuss=-2;
if P5_120=-3 or P5_122=-3 then ownbuss=-3;

/*A variable indicating second homes, real estate, partnership, or money owed to R/S on land contract or mortgage */
realesta=0;
if P5_124=1 and P5_125 not in (-1, -2, -3) then realesta=P5_125;
if P5_124=1 and (P5_125 eq -1 or P5_125 eq -2 or P5_125 eq -3) then do;
  if P5_126=1 then do; realesta=12500; flag=1; end;
  if P5_126=2 then do; realesta=37500; flag=1; end;
  if P5_126=3 then do; realesta=75000; flag=1; end;
  if P5_126=4 then do; realesta=175000; flag=1; end;
  if P5_126=5 then do; realesta=375000; flag=1; end;
  if P5_126=6 then do; realesta=750000; flag=1; end;
  if P5_126=7 then do; realesta=1000001; flag=1; end;
end;
if P5_124=-1 or P5_126=-1 then realesta=-1;
if P5_124=-2 or P5_126=-2 then realesta=-2;
if P5_124=-3 or P5_126=-3 then realesta=-3;

/*A variable indicating educational IRA accounts or other prepaid tuition savings accounts */
tuitions=0;
if P5_127=1 and P5_128 not in (-1, -2, -3) then tuitions=P5_128;
if P5_127=1 and (P5_128 eq -1 or P5_128 eq -2 or P5_128 eq -3) then do;
  if P5_129=1 then do; tuitions=2500; flag=1; end;
  if P5_129=2 then do; tuitions=7500; flag=1; end;
  if P5_129=3 then do; tuitions=17500; flag=1; end;
  if P5_129=4 then do; tuitions=37500; flag=1; end;
  if P5_129=5 then do; tuitions=75000; flag=1; end;
  if P5_129=6 then do; tuitions=175000; flag=1; end;
  if P5_129=7 then do; tuitions=250001; flag=1; end;
end;
```

Appendix 5: Income and Assets Variable Creation

```
if P5_127=-1 or P5_129=-1 then tuitions=-1;
if P5_127=-2 or P5_129=-2 then tuitions=-2;
if P5_127=-3 or P5_129=-3 then tuitions=-3;
```

```
/*A variable indicating whether the R and S have any retirement or pension plans, such as 401K's */
retirepl=0;
if P5_130=1 and P5_131 not in (-1, -2, -3) then retirepl=P5_131;
if P5_130=1 and (P5_131 eq -1 or P5_131 eq -2 or P5_131 eq -3) then do;
    if P5_132=1 then do; retirepl=2500; flag=1; end;
    if P5_132=2 then do; retirepl=7500; flag=1; end;
    if P5_132=3 then do; retirepl=17500; flag=1; end;
    if P5_132=4 then do; retirepl=37500; flag=1; end;
    if P5_132=5 then do; retirepl=75000; flag=1; end;
    if P5_132=6 then do; retirepl=175000; flag=1; end;
    if P5_132=7 then do; retirepl=250001; flag=1; end;
end;
if P5_130=-1 or P5_132=-1 then retirepl=-1;
if P5_130=-2 or P5_132=-2 then retirepl=-2;
if P5_130=-3 or P5_132=-3 then retirepl=-3;
```

```
/*A variable indicating whether the R and S have any other savings in investment trusts, etc */
othsav1=0;
if P5_133=1 and P5_134 not in (-1, -2, -3) then othsav1=P5_134;
if P5_133=1 and (P5_134 eq -1 or P5_134 eq -2 or P5_134 eq -3) then do;
    if P5_135=1 then do; othsav1=2500; flag=1; end;
    if P5_135=2 then do; othsav1=7500; flag=1; end;
    if P5_135=3 then do; othsav1=17500; flag=1; end;
    if P5_135=4 then do; othsav1=37500; flag=1; end;
    if P5_135=5 then do; othsav1=75000; flag=1; end;
    if P5_135=6 then do; othsav1=175000; flag=1; end;
    if P5_135=7 then do; othsav1=250001; flag=1; end;
end;
if P5_133=-1 or P5_135=-1 then othsav1=-1;
if P5_133=-2 or P5_135=-2 then othsav1=-2;
if P5_133=-3 or P5_135=-3 then othsav1=-3;
```

```
/*A variable indicating whether the R and S have any other savings in CD's, Treasury bills, bonds, etc */
othsav2=0;
if P5_136=1 and P5_137 not in (-1, -2, -3) then othsav2=P5_137;
if P5_136=1 and (P5_137 eq -1 or P5_137 eq -2 or P5_137 eq -3) then do;
    if P5_138=1 then do; othsav2=2500; flag=1; end;
    if P5_138=2 then do; othsav2=7500; flag=1; end;
    if P5_138=3 then do; othsav2=17500; flag=1; end;
    if P5_138=4 then do; othsav2=37500; flag=1; end;
    if P5_138=5 then do; othsav2=75000; flag=1; end;
    if P5_138=6 then do; othsav2=175000; flag=1; end;
    if P5_138=7 then do; othsav2=250001; flag=1; end;
end;
if P5_136=-1 or P5_138=-1 then othsav2=-1;
if P5_136=-2 or P5_138=-2 then othsav2=-2;
if P5_136=-3 or P5_138=-3 then othsav2=-3;
```

```
/*A variable indicating whether the R and S have any other savings in mutual funds */
mutfunds=0;
if P5_139=1 and P5_140 not in (-1, -2, -3) then mutfunds=P5_140;
if P5_139=1 and (P5_140 eq -1 or P5_140 eq -2 or P5_140 eq -3) then do;
    if P5_141=1 then do; mutfunds=2500; flag=1; end;
```


Appendix 5: Income and Assets Variable Creation

```
if P5_141=2 then do; mutfunds=7500; flag=1; end;
if P5_141=3 then do; mutfunds=17500; flag=1; end;
if P5_141=4 then do; mutfunds=37500; flag=1; end;
if P5_141=5 then do; mutfunds=75000; flag=1; end;
if P5_141=6 then do; mutfunds=175000; flag=1; end;
if P5_141=7 then do; mutfunds=250001; flag=1; end;
end;
if P5_139=-1 or P5_141=-1 then mutfunds=-1;
if P5_139=-2 or P5_141=-2 then mutfunds=-2;
if P5_139=-3 or P5_141=-3 then mutfunds=-3;

/*A variable indicating the current market value of the R and S vehicles */
pvcars=0;
if P5_142=1 and P5_143 not in (-1, -2, -3) then pvcars=P5_143;
if P5_142=1 and (P5_143 eq -1 or P5_143 eq -2 or P5_143 eq -3) then do;
  if P5_144=1 then do; pvcars=500; flag=1; end;
  if P5_144=2 then do; pvcars=1750; flag=1; end;
  if P5_144=3 then do; pvcars=3750; flag=1; end;
  if P5_144=4 then do; pvcars=7500; flag=1; end;
  if P5_144=5 then do; pvcars=17500; flag=1; end;
  if P5_144=6 then do; pvcars=37500; flag=1; end;
  if P5_144=7 then do; pvcars=50001; flag=1; end;
end;
if P5_142=-1 or P5_144=-1 then pvcars=-1;
if P5_142=-2 or P5_144=-2 then pvcars=-2;
if P5_142=-3 or P5_144=-3 then pvcars=-3;

/*A variable indicating how much R and S owe on the vehicles */
owecar=0;
if P5_142=1 and P5_145 not in (-1, -2, -3) then owecar=P5_145;
if P5_142=1 and (P5_145 eq -1 or P5_145 eq -2 or P5_145 eq -3) then do;
  if P5_146=1 then do; owecar=500; flag=1; end;
  if P5_146=2 then do; owecar=1750; flag=1; end;
  if P5_146=3 then do; owecar=3750; flag=1; end;
  if P5_146=4 then do; owecar=7500; flag=1; end;
  if P5_146=5 then do; owecar=17500; flag=1; end;
  if P5_146=6 then do; owecar=37500; flag=1; end;
  if P5_146=7 then do; owecar=50001; flag=1; end;
end;
if P5_142=-1 or P5_146=-1 then owecar=-1;
if P5_142=-2 or P5_146=-2 then owecar=-2;
if P5_142=-3 or P5_146=-3 then owecar=-3;

/*A variable indicating the value of furniture */
pvfurnit=0;
if P5_147 ge 1 and P5_147=1 then do; pvfurnit=500; flag=1; end;
if P5_147 ge 1 and P5_147=2 then do; pvfurnit=1750; flag=1; end;
if P5_147 ge 1 and P5_147=3 then do; pvfurnit=3750; flag=1; end;
if P5_147 ge 1 and P5_147=4 then do; pvfurnit=7500; flag=1; end;
if P5_147 ge 1 and P5_147=5 then do; pvfurnit=17500; flag=1; end;
if P5_147 ge 1 and P5_147=6 then do; pvfurnit=37500; flag=1; end;
if P5_147 ge 1 and P5_147=7 then do; pvfurnit=50001; flag=1; end;
if P5_147=-1 then pvfurnit=-1;
if P5_147=-2 then pvfurnit=-2;
if P5_147=-3 then pvfurnit=-3;

/*A variable indicating any other assets owed to R and S by others */
```

Appendix 5: Income and Assets Variable Creation

```
othasset=0;
if P5_148=1 and P5_149 not in (-1, -2, -3) then othasset=P5_149;
if P5_148=1 and (P5_149 eq -1 or P5_149 eq -2 or P5_149 eq -3) then do;
    if P5_150=1 then do; othasset=2500; flag=1; end;
    if P5_150=2 then do; othasset=7500; flag=1; end;
    if P5_150=3 then do; othasset=17500; flag=1; end;
    if P5_150=4 then do; othasset=37500; flag=1; end;
    if P5_150=5 then do; othasset=75000; flag=1; end;
    if P5_150=6 then do; othasset=175000; flag=1; end;
    if P5_150=7 then do; othasset=250001; flag=1; end;
end;
if P5_148=-1 or P5_150=-1 then othasset=-1;
if P5_148=-2 or P5_150=-2 then othasset=-2;
if P5_148=-3 or P5_150=-3 then othasset=-3;

/*A variable indicating any other debts R and S might have, such as:educational loans and any other debts */
eduloans=0;
if P5_151=1 and P5_152 not in (-1, -2, -3) then eduloans=P5_152;
if P5_151=1 and (P5_152 eq -1 or P5_152 eq -2 or P5_152 eq -3) then do;
    if P5_153=1 then do; eduloans=500; flag=1; end;
    if P5_153=2 then do; eduloans=1750; flag=1; end;
    if P5_153=3 then do; eduloans=3750; flag=1; end;
    if P5_153=4 then do; eduloans=7500; flag=1; end;
    if P5_153=5 then do; eduloans=17500; flag=1; end;
    if P5_153=6 then do; eduloans=37500; flag=1; end;
    if P5_153=7 then do; eduloans=50001; flag=1; end;
end;
if P5_151=-1 or P5_153=-1 then eduloans=-1;
if P5_151=-2 or P5_153=-2 then eduloans=-2;
if P5_151=-3 or P5_153=-3 then eduloans=-3;

/* Any other debts...*/
othdebts=0;
if P5_154=1 and P5_155 not in (-1, -2, -3) then othdebts=P5_155;
if P5_154=1 and (P5_155 eq -1 or P5_155 eq -2 or P5_155 eq -3) then do;
    if P5_156=1 then do; othdebts=500; flag=1; end;
    if P5_156=2 then do; othdebts=1750; flag=1; end;
    if P5_156=3 then do; othdebts=3750; flag=1; end;
    if P5_156=4 then do; othdebts=7500; flag=1; end;
    if P5_156=5 then do; othdebts=17500; flag=1; end;
    if P5_156=6 then do; othdebts=37500; flag=1; end;
    if P5_156=7 then do; othdebts=50001; flag=1; end;
end;
if P5_154=-1 or P5_156=-1 then othdebts=-1;
if P5_154=-2 or P5_156=-2 then othdebts=-2;
if P5_154=-3 or P5_156=-3 then othdebts=-3;

/* Calculate the household net worth according to the parent or: hhworthp=assets-liabilities */
hhworthp=-4;
hhworthp=(pvbranch + pvmobile + pvhouse + ownbuss + realesta + tuitions + retirepl + othsav1 + othsav2 + mutfunds
+ pvcars + pvfurnit + othasset)-(mortgage + secondmg + owecar + eduloans + othdebts);
if pvbranch=-1 or pvmobile=-1 or pvhouse=-1 or ownbuss=-1 or realesta=-1 or tuitions=-1 or retirepl=-1 or othsav1=-1
or othsav2=-1 or mutfunds=-1 or pvcars=-1 or pvfurnit=-1 or othasset=-1 or mortgage=-1 or secondmg=-1
or owecar=-1 or eduloans=-1 or othdebts=-1 then hhworthp=-1;
if pvbranch=-2 or pvmobile=-2 or pvhouse=-2 or ownbuss=-2 or realesta=-2 or tuitions=-2 or retirepl=-2 or othsav1=-2
or othsav2=-2 or mutfunds=-2 or pvcars=-2 or pvfurnit=-2 or othasset=-2 or mortgage=-2 or secondmg=-2
or owecar=-2 or eduloans=-2 or othdebts=-2 then hhworthp=-2;
```

Appendix 5: Income and Assets Variable Creation

```
if pvranch=-3 or pvmobile=-3 or pvhouse=-3 or ownbuss=-3 or realesta=-3 or tuitions=-3 or retirepl=-3 or othsav1=-3
  or othsav2=-3 or mutfunds=-3 or pvcars=-3 or pvfurnit=-3 or othasset=-3 or mortgage=-3 or secondmg=-3
  or owecar=-3 or eduloans=-3 or othdebts=-3 then hhworthp=-3;
if pncorcid=-4 then hhworthp=-4;
```

```
/* Create gross hh income according to the parent*/
```

```
groshhIp=-4;
do I=1 to 9;
  if famI(I) ge 0 then do;
    groshhIp=(nfarmwgR + farmwgR+nfarmwgS + farmwgS + interest + AFDCADC + SSI + childsup + rentalI +
      famI01 + famI02 + famI03 + famI04 + famI05 + famI06 + famI07 + famI08 + famI09);
  end;
end;
if nfarmwgR=-1 or farmwgR=-1 or nfarmwgS=-1 or farmwgS=-1 or interest=-1 or AFDCADC=-1 or SSI=-1 or
  childsup=-1 or rentalI=-1 or famI01=-1 or famI02=-1 or famI03=-1 or famI04=-1 or famI05=-1 or
  famI06=-1 or famI07=-1 or famI08=-1 or famI09=-1 then groshhIp=-1;
if nfarmwgR=-2 or farmwgR=-2 or nfarmwgS=-2 or farmwgS=-2 or interest=-2 or AFDCADC=-2 or SSI=-2 or
  childsup=-2 or rentalI=-2 or famI01=-2 or famI02=-2 or famI03=-2 or famI04=-2 or famI05=-2 or
  famI06=-2 or famI07=-2 or famI08=-2 or famI09=-2 then groshhIp=-2;
if nfarmwgR=-3 or farmwgR=-3 or nfarmwgS=-3 or farmwgS=-3 or interest=-3 or AFDCADC=-3 or SSI=-3 or
  childsup=-3 or rentalI=-3 or famI01=-3 or famI02=-3 or famI03=-3 or famI04=-3 or famI05=-3 or
  famI06=-3 or famI07=-3 or famI08=-3 or famI09=-3 then groshhIp=-3;
if pncorcid=-4 then groshhIp=-4;
```

```
/***** SECTION 2: YOUTH HOUSEHOLD NET WORTH AND GROSS HOUSEHOLD INCOME *****/
```

```
flag=0;
```

```
/*First, create a variable indicating net receipts from non-farm employment earned by youth (Y), such as wages
(nfarmwgY). */
```

```
nfarmwgY=0;
if (YI_1400=1 and YI_1700 not in (-1, -2, -3)) or (YI_1400=-1 and YI_1600=1 and YI_1700 not in (-1, -2, -3)) or
  (YI_1400=-2 and YI_1500=1 and YI_1700 not in (-1, -2, -3)) or (YI_1400=-2 and YI_1500=-1 and
  YI_1600=1 and YI_1700 not in (-1, -2, -3)) then nfarmwgY=YI_1700;
if (YI_1400=1 or (YI_1400=-1 and YI_1600=1) or (YI_1400=-2 and YI_1500=1) or (YI_1400=-2 and YI_1500=-1
  and YI_1600=1) or (YI_1400=-3 and YI_1600=1) or (YI_1400=-3 and YI_1500=1) or (YI_1400=-2 and YI_1500=-3
  and YI_1600=1)) and (YI_1700 eq -1 or YI_1700 eq -2 or YI_1700 eq -3) then do;
  if YI_1800=1 then do; nfarmwgY=2500; flag=1; end;
  if YI_1800=2 then do; nfarmwgY=7500; flag=1; end;
  if YI_1800=3 then do; nfarmwgY=17500; flag=1; end;
  if YI_1800=4 then do; nfarmwgY=22500; flag=1; end;
  if YI_1800=5 then do; nfarmwgY=75000; flag=1; end;
  if YI_1800=6 then do; nfarmwgY=175000; flag=1; end;
  if YI_1800=7 then do; nfarmwgY=250001; flag=1; end;
end;
if YI_1600=-1 or YI_1800=-1 then nfarmwgY=-1;
if YI_1500=-2 or YI_1800=-2 then nfarmwgY=-2;
if YI_1600=-3 or YI_1500=-3 or YI_1800=-3 then nfarmwgY=-3;
```

```
/* For all the questions below, the youth must be INDEPENDENT (YI_1900=1) */
```

```
/*Second, create a variable indicating net receipts from farm self-employment earned by the Y (farmwgY)*/
farmwgY=0;
```

```
if YI_1900=1 and YI_2000=1 and YI_2100 not in (-1, -2, -3) then farmwgY=YI_2100;
if YI_1900=1 and YI_2000=1 and (YI_2100 eq -1 or YI_2100 eq -2 or YI_2100 eq -3) then do;
  if YI_2200=1 then do; farmwgY=-2; flag=1; end;
```

Appendix 5: Income and Assets Variable Creation

```
if YI_2200=2 then do; farmwgY=2500; flag=1; end;
if YI_2200=3 then do; farmwgY=7500; flag=1; end;
if YI_2200=4 then do; farmwgY=17500; flag=1; end;
if YI_2200=5 then do; farmwgY=37500; flag=1; end;
if YI_2200=6 then do; farmwgY=75000; flag=1; end;
if YI_2200=7 then do; farmwgY=175000; flag=1; end;
if YI_2200=8 then do; farmwgY=250001; flag=1; end;
end;
if YI_2000=-1 or YI_2200=-1 then farmwgY=-1;
if YI_2000=-2 or YI_2200=-2 then farmwgY=-2;
if YI_2000=-3 or YI_2200=-3 then farmwgY=-3;

/*Third, create the above variables for the event the Y has a spouse/partner: nfarmwgP and farmwgP */
nfarmwgP=0;
if YI_1900=1 then do;
if (YI_2300=1 and YI_2400=1 and YI_2600 not in (-1, -2, -3)) or (YI_2300=1 and YI_2400=-1 and YI_2500=1 and
YI_2600 not in (-1, -2, -3)) then nfarmwgP=YI_2600;
if (YI_2300=1 and YI_2400=1 and (YI_2600 eq -1 or YI_2600 eq -2 or YI_2600 eq -3)) or (YI_2300=1 and
YI_2400=-1 and YI_2500=1 and (YI_2600 eq -1 or YI_2600 eq -2 or YI_2600 eq -3)) then do;
if YI_2700=1 then do; nfarmwgP=2500; flag=1; end;
if YI_2700=2 then do; nfarmwgP=7500; flag=1; end;
if YI_2700=3 then do; nfarmwgP=17500; flag=1; end;
if YI_2700=4 then do; nfarmwgP=37500; flag=1; end;
if YI_2700=5 then do; nfarmwgP=75000; flag=1; end;
if YI_2700=6 then do; nfarmwgP=175000; flag=1; end;
if YI_2700=7 then do; nfarmwgP=250001; flag=1; end;
end;
if YI_2300=-1 or YI_2500=-1 or YI_2700=-1 then nfarmwgP=-1;
if YI_2300=-2 or YI_2400=-2 or YI_2700=-2 then nfarmwgP=-2;
if YI_2300=-3 or YI_2400=-3 or YI_2500=-3 or YI_2700=-3 then nfarmwgP=-3;
end;

farmwgP=0;
if YI_1900=1 then do;
if YI_2900=1 and YI_3000 not in (-1, -2, -3) then farmwgP=YI_3000;
if YI_2900=1 and (YI_3000 eq -1 or YI_3000 eq -2 or YI_3000 eq -3) then do;
if YI_3100=1 then do; farmwgP=-2; flag=1; end;
if YI_3100=2 then do; farmwgP=2500; flag=1; end;
if YI_3100=3 then do; farmwgP=7500; flag=1; end;
if YI_3100=4 then do; farmwgP=17500; flag=1; end;
if YI_3100=5 then do; farmwgP=37500; flag=1; end;
if YI_3100=6 then do; farmwgP=75000; flag=1; end;
if YI_3100=7 then do; farmwgP=175000; flag=1; end;
if YI_3100=8 then do; farmwgP=250001; flag=1; end;
end;
if YI_2300=-1 or YI_2900=-1 or YI_3100=-1 then farmwgP=-1;
if YI_2300=-2 or YI_2900=-2 or YI_3100=-2 then farmwgP=-2;
if YI_2300=-3 or YI_2900=-3 or YI_3100=-3 then farmwgP=-3;
end;

/* Create a variable indicating whether they collected any child support (chiltsuY) */
chiltsuY=0;
if YI_1900=1 then do;
if YI_4000=1 and YI_4100 not in (-1, -2, -3) then chiltsuY=YI_4100;
if YI_4000=1 and (YI_4100 eq -1 or YI_4100 eq -2 or YI_4100 eq -3) then do;
if YI_4200=1 then do; chiltsuY=500; flag=1; end;
if YI_4200=2 then do; chiltsuY=1750; flag=1; end;
end;
```

Appendix 5: Income and Assets Variable Creation

```
    if YI_4200=3 then do; childsuY=3750; flag=1; end;
    if YI_4200=4 then do; childsuY=7500; flag=1; end;
    if YI_4200=5 then do; childsuY=17500; flag=1; end;
    if YI_4200=6 then do; childsuY=37500; flag=1; end;
    if YI_4200=7 then do; childsuY=50001; flag=1; end;
    end;
if YI_4000=-1 or YI_4200=-1 then childsuY=-1;
if YI_4000=-2 or YI_4200=-2 then childsuY=-2;
if YI_4000=-3 or YI_4200=-3 then childsuY=-3;
end;

/* Create a variable indicating the amount of interests received by the youth (Y) and partner/spouse */
interesY=0;
if YI_1900=1 then do;
if YI_4300=1 and YI_4400 not in (-1, -2, -3) then interesY=YI_4400;
if YI_4300=1 and (YI_4400 eq -1 or YI_4400 eq -2 or YI_4400 eq -3) then do;
    if YI_4500=1 then do; interesY=250; flag=1; end;
    if YI_4500=2 then do; interesY=750; flag=1; end;
    if YI_4500=3 then do; interesY=1750; flag=1; end;
    if YI_4500=4 then do; interesY=3750; flag=1; end;
    if YI_4500=5 then do; interesY=6250; flag=1; end;
    if YI_4500=6 then do; interesY=8750; flag=1; end;
    if YI_4500=7 then do; interesY=10001; flag=1; end;
    end;
if YI_4300=-1 or YI_4500=-1 then interesY=-1;
if YI_4300=-2 or YI_4500=-2 then interesY=-2;
if YI_4300=-3 or YI_4500=-3 then interesY=-3;
end;

/* Create a variable indicating whether they collected any dividends from stocks and mutual funds */
dividend=0;
if YI_1900=1 then do;
if YI_4600=1 and YI_4700 not in (-1, -2, -3) then dividend=YI_4700;
if YI_4600=1 and (YI_4700 eq -1 or YI_4700 eq -2 or YI_4700 eq -3) then do;
    if YI_4800=1 then do; dividend=250; flag=1; end;
    if YI_4800=2 then do; dividend=750; flag=1; end;
    if YI_4800=3 then do; dividend=1750; flag=1; end;
    if YI_4800=4 then do; dividend=3750; flag=1; end;
    if YI_4800=5 then do; dividend=6250; flag=1; end;
    if YI_4800=6 then do; dividend=8750; flag=1; end;
    if YI_4800=7 then do; dividend=10001; flag=1; end;
    end;
if YI_4600=-1 or YI_4800=-1 then dividend=-1;
if YI_4600=-2 or YI_4800=-2 then dividend=-2;
if YI_4600=-3 or YI_4800=-3 then dividend=-3;
end;

/* Create a variable indicating any rental income */
rentalY=0;
if YI_1900=1 then do;
if YI_4900=1 and YI_5000 not in (-1, -2, -3) then rentalY=YI_5000;
if YI_4900=1 and (YI_5000 eq -1 or YI_5000 eq -2 or YI_5000 eq -3) then do;
    if YI_5100=1 then do; rentalY=500; flag=1; end;
    if YI_5100=2 then do; rentalY=1750; flag=1; end;
    if YI_5100=3 then do; rentalY=3750; flag=1; end;
    if YI_5100=4 then do; rentalY=7500; flag=1; end;
    if YI_5100=5 then do; rentalY=17500; flag=1; end;
    end;
```

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```
        if YI_5100=6 then do; rentalY=37500; flag=1; end;
        if YI_5100=7 then do; rentalY=50001; flag=1; end;
    end;
if YI_4900=-1 or YI_5100=-1 then rentalY=-1;
if YI_4900=-2 or YI_5100=-2 then rentalY=-2;
if YI_4900=-3 or YI_5100=-3 then rentalY=-3;
end;

/* next a variable indicating whether they received any property/money from estates, trusts, annuities, inheritances */
estatesY=0;
if YI_1900=1 then do;
if YI_5200=1 and YI_5300 not in (-1, -2, -3) then estatesY=YI_5300;
if YI_5200=1 and (YI_5300 eq -1 or YI_5300 eq -2 or YI_5300 eq -3) then do;
    if YI_5400=1 then do; estatesY=2500; flag=1; end;
    if YI_5400=2 then do; estatesY=7500; flag=1; end;
    if YI_5400=3 then do; estatesY=17500; flag=1; end;
    if YI_5400=4 then do; estatesY=37500; flag=1; end;
    if YI_5400=5 then do; estatesY=75000; flag=1; end;
    if YI_5400=6 then do; estatesY=175000; flag=1; end;
    if YI_5400=7 then do; estatesY=250001; flag=1; end;
end;
if YI_5200=-1 or YI_5400=-1 then estatesY=-1;
if YI_5200=-2 or YI_5400=-2 then estatesY=-2;
if YI_5200=-3 or YI_5400=-3 then estatesY=-3;
end;

/* Now create a variable indicating any cash or money other than allowances parents might have given the youth if
he/she still lives with them (INCLUDED IN THE INCOME) */
allowpar=0;
if YI_1900=1 and YI_5600=1 then do;
if YI_5700=1 and YI_5800 not in (-1, -2, -3) then allowpar=YI_5800;
if YI_5700=1 and (YI_5800 eq -1 or YI_5800 eq -2 or YI_5800 eq -3) then do;
    if YI_5900=1 then do; allowpar=250; flag=1; end;
    if YI_5900=2 then do; allowpar=750; flag=1; end;
    if YI_5900=3 then do; allowpar=1750; flag=1; end;
    if YI_5900=4 then do; allowpar=3750; flag=1; end;
    if YI_5900=5 then do; allowpar=6250; flag=1; end;
    if YI_5900=6 then do; allowpar=8750; flag=1; end;
    if YI_5900=7 then do; allowpar=10001; flag=1; end;
end;
if YI_1900=0 or YI_5700=-4 then allowpar=-4;
if YI_5700=-1 or YI_5900=-1 then allowpar=-1;
if YI_5700=-2 or YI_5900=-2 then allowpar=-2;
if YI_5700=-3 or YI_5900=-3 then allowpar=-3;
end;

/* If the youth lived with the parents during the previous year and paid for room and board...*/
roomyear=0;
if YI_1900=1 and YI_5600=1 then do;
if YI_6100=1 and YI_6200 not in (-1, -2, -3) then do;
    if YI_6300=1 then roomyear=YI_6200*52;
    if YI_6300=2 then roomyear=YI_6200*26;
    if YI_6300=3 then roomyear=YI_6200*12;
    if YI_6300=4 then roomyear=YI_6200*2;
    if YI_6300=5 then roomyear=YI_6200;
    if YI_6300=6 then do; roomyear=YI_6200; flag=1; end;
    if YI_6300=7 then do; roomyear=YI_6200; flag=1; end;
end;
end;
```

Appendix 5: Income and Assets Variable Creation

```
end;
if YI_6100=-1 or YI_6200=-1 or YI_6300=-1 then roomyear=-1;
if YI_6100=-2 or YI_6200=-2 or YI_6300=-2 then roomyear=-2;
if YI_6100=-3 or YI_6200=-3 or YI_6300=-3 then roomyear=-3;
end;

/* Any other payments to your parents?, if the youth lived with them during the previous year */
othpaypa=0;
if YI_5600=1 then do;
if YI_1900=1 and YI_6100=0 and YI_6310=1 then othpaypa=YI_6320;
if YI_1900=0 or YI_6310=1 or YI_6320=-1 then othpaypa=-4;
if YI_6310=-1 or YI_6320=-1 then othpaypa=-1;
if YI_6310=-2 or YI_6320=-2 then othpaypa=-2;
if YI_6310=-3 or YI_6320=-3 then othpaypa=-3;
end;

/* If living with mother/female guardian, did R receive any money from her? (incl. in youth income definition) */
allowmot=0;
if YI_1900=1 and YI_6400=1 then do;
if YI_6500=1 and YI_6600 not in (-1, -2, -3) then allowmot=YI_6600;
if YI_6500=1 and (YI_6600 eq -1 or YI_6600 eq -2 or YI_6600 eq -3) then do;
    if YI_6700=1 then do; allowmot=250; flag=1; end;
    if YI_6700=2 then do; allowmot=750; flag=1; end;
    if YI_6700=3 then do; allowmot=1750; flag=1; end;
    if YI_6700=4 then do; allowmot=3750; flag=1; end;
    if YI_6700=5 then do; allowmot=7500; flag=1; end;
    if YI_6700=6 then do; allowmot=8750; flag=1; end;
    if YI_6700=7 then do; allowmot=10001; flag=1; end;
end;
if YI_6500=-1 or YI_6700=-1 then allowmot=-1;
if YI_6500=-2 or YI_6700=-2 then allowmot=-2;
if YI_6500=-3 or YI_6700=-3 then allowmot=-3;
end;

/* If living with the mother or female guardian but rather made payments to this person...*/
othpaymo=0;
if YI_6400=1 then do;
if YI_1900=1 and YI_6800=1 then othpaymo=YI_6900;
if YI_6800=-1 or YI_6900=-1 then othpaymo=-1;
if YI_6800=-2 or YI_6900=-2 then othpaymo=-2;
if YI_6800=-3 or YI_6900=-3 then othpaymo=-3;
end;

/* If lived with the mother or female guardian and made room and board payments to her...*/
yroommot=0;
if YI_1900=1 and YI_6400=1 then do;
if YI_6910=1 and YI_6920=1 and YI_6940=1 then yroommot=YI_6930*52;
if YI_6910=1 and YI_6920=1 and YI_6940=2 then yroommot=YI_6930*26;
if YI_6910=1 and YI_6920=1 and YI_6940=3 then yroommot=YI_6930*12;
if YI_6910=1 and YI_6920=1 and YI_6940=4 then yroommot=YI_6930*2;
if YI_6910=1 and YI_6920=1 and YI_6940=5 then yroommot=YI_6930;
if YI_6910=1 and YI_6920=1 and YI_6940=6 then do; yroommot=YI_6930; flag=1; end;
if YI_6910=1 and YI_6920=1 and YI_6940=7 then do; yroommot=YI_6930; flag=1; end;
if YI_6910=-1 or YI_6920=-1 or YI_6930=-1 or YI_6940=-1 then yroommot=-1;
if YI_6910=-2 or YI_6920=-2 or YI_6930=-2 or YI_6940=-2 then yroommot=-2;
if YI_6910=-3 or YI_6920=-3 or YI_6930=-3 or YI_6940=-3 then yroommot=-3;
end;
```

Appendix 5: Income and Assets Variable Creation

/* If the youth lived with the father or male guardian and received any cash or money other than allowances from him (INCLUDED IN THE YOUTH INCOME) */

```
allowfat=0;
if YI_1900=1 then do;
if YI_7000=1 and YI_7100=1 and YI_7200 not in (-1, -2, -3) then allowfat=YI_7200;
if YI_7000=1 and YI_7100=1 and (YI_7200 eq -1 or YI_7200 eq -2 or YI_7200 eq -3) then do;
    if YI_7300=1 then do; allowfat=250; flag=1; end;
    if YI_7300=2 then do; allowfat=750; flag=1; end;
    if YI_7300=3 then do; allowfat=1750; flag=1; end;
    if YI_7300=4 then do; allowfat=3750; flag=1; end;
    if YI_7300=5 then do; allowfat=6250; flag=1; end;
    if YI_7300=6 then do; allowfat=8750; flag=1; end;
    if YI_7300=7 then do; allowfat=10001; flag=1; end;
end;
if YI_7100=-1 or YI_7300=-1 then allowfat=-1;
if YI_7100=-2 or YI_7300=-2 then allowfat=-2;
if YI_7100=-3 or YI_7300=-3 then allowfat=-3;
end;
```

/* If the youth lived with the father or male guardian but rather paid him...*/

```
othpayfa=0;
if YI_1900=1 and YI_7000=1 and YI_7400=1 then othpayfa=YI_7500;
if YI_7400=-1 or YI_7500=-1 then othpayfa=-1;
if YI_7400=-2 or YI_7500=-2 then othpayfa=-2;
if YI_7400=-3 or YI_7500=-3 then othpayfa=-3;
```

/* If the youth lived with the father or male guardian and paid him for room and board */

```
yroomfat=0;
if YI_1900=1 and YI_7000=1 then do;
if YI_7520=1 and YI_7540=1 then yroomfat=YI_7530*52;
if YI_7520=1 and YI_7540=2 then yroomfat=YI_7530*26;
if YI_7520=1 and YI_7540=3 then yroomfat=YI_7530*12;
if YI_7520=1 and YI_7540=4 then yroomfat=YI_7530*2;
if YI_7520=1 and YI_7540=5 then yroomfat=YI_7530;
if YI_7520=1 and YI_7540=6 then do; yroomfat=YI_7530; flag=1; end;
if YI_7520=1 and YI_7540=7 then do; yroomfat=YI_7530; flag=1; end;
if YI_7520=-1 or YI_7540=-1 then yroomfat=-1;
if YI_7520=-2 or YI_7540=-2 then yroomfat=-2;
if YI_7520=-3 or YI_7540=-3 then yroomfat=-3;
end;
```

/* Income received by the youth from other sources: SS payments, pension and retirement income, alimony, payments from insurance policies, etc...? */

```
pensionY=0;
if YI_1900=1 then do;
if YI_7600=1 and YI_7700 not in (-1, -2, -3) then pensionY=YI_7700;
if YI_7600=1 and (YI_7700 eq -1 or YI_7700 eq -2 or YI_7700 eq -3) then do;
    if YI_7800=1 then do; pensionY=500; flag=1; end;
    if YI_7800=2 then do; pensionY=1750; flag=1; end;
    if YI_7800=3 then do; pensionY=3750; flag=1; end;
    if YI_7800=4 then do; pensionY=7500; flag=1; end;
    if YI_7800=5 then do; pensionY=17500; flag=1; end;
    if YI_7800=6 then do; pensionY=37500; flag=1; end;
    if YI_7800=7 then do; pensionY=50001; flag=1; end;
end;
if YI_7600=-1 or YI_7800=-1 then pensionY=-1;
```


Appendix 5: Income and Assets Variable Creation

```
if YI_7600=-2 or YI_7800=-2 then pensionY=-2;
if YI_7600=-3 or YI_7800=-3 then pensionY=-3;
end;
```

```
/* For EVERYONE, DEPENDENT OR INDEPENDENT, allowances received by the youth from his/her family
(NOT INCLUDED IN THE INCOME DEFINITION OF THE YOUTH) */
```

```
yfaallow=0;
if YI_8100=1 and YI_8200 not in (0, -1, -2, -3) then do;
    if YI_8300=1 then yfaallow=YI_8200*52;
    if YI_8300=2 then yfaallow=YI_8200*12;
    if YI_8300=3 then do; yfaallow=YI_8200; flag=1; end;
end;
if YI_8100=-1 or YI_8200=-1 or YI_8300=-1 then yfaallow=-1;
if YI_8100=-2 or YI_8200=-2 or YI_8300=-2 then yfaallow=-2;
if YI_8100=-3 or YI_8200=-3 or YI_8300=-3 then yfaallow=-3;
```

```
/* Now a few more questions regarding income if the individual is INDEPENDENT (YI_8500=1) OR 14 YEARS
OF AGE OR OLDER (YI_8400=1)*/
```

```
/* If the youth lived with the father, the father's income */
```

```
faincome=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_8600=1 and YI_8700=1 and YI_8800 not in (-1, -2, -3) then faincome=YI_8800;
if YI_8600=1 and YI_8700=1 and (YI_8800 eq -1 or YI_8800 eq -2 or YI_8800 eq -3) then do;
    if YI_8900=1 then do; faincome=2500; flag=1; end;
    if YI_8900=2 then do; faincome=7500; flag=1; end;
    if YI_8900=3 then do; faincome=17500; flag=1; end;
    if YI_8900=4 then do; faincome=37500; flag=1; end;
    if YI_8900=5 then do; faincome=75000; flag=1; end;
    if YI_8900=6 then do; faincome=175000; flag=1; end;
    if YI_8900=7 then do; faincome=250001; flag=1; end;
end;
if YI_8600=-1 or YI_8700=-1 or YI_8900=-1 then faincome=-1;
if YI_8600=-2 or YI_8700=-2 or YI_8900=-2 then faincome=-2;
if YI_8600=-3 or YI_8700=-3 or YI_8900=-3 then faincome=-3;
end;
```

```
/* If the youth lived with the mother, the mother's income */
```

```
maincome=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_9100=1 and YI_9200=1 and YI_9300 not in (-1, -2, -3) then maincome=YI_9300;
if YI_9100=1 and YI_9200=1 and (YI_9300 eq -1 or YI_9300 eq -2 or YI_9300 eq -3) then do;
    if YI_9400=1 then do; maincome=2500; flag=1; end;
    if YI_9400=2 then do; maincome=7500; flag=1; end;
    if YI_9400=3 then do; maincome=17500; flag=1; end;
    if YI_9400=4 then do; maincome=37500; flag=1; end;
    if YI_9400=5 then do; maincome=75000; flag=1; end;
    if YI_9400=6 then do; maincome=175000; flag=1; end;
    if YI_9400=7 then do; maincome=250001; flag=1; end;
end;
if YI_9100=-1 or YI_9200=-1 or YI_9400=-1 then maincome=-1;
if YI_9100=-2 or YI_9200=-2 or YI_9400=-2 then maincome=-2;
if YI_9100=-3 or YI_9200=-3 or YI_9400=-3 then maincome=-3;
end;
```

```
/* If the youth lives with the male guardian */
```

```
mgincome=0;
```

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```
if YI_8400=1 or YI_8500=1 then do;
if YI_9600=1 and YI_9700=1 and YI_9800 not in (-1, -2, -3) then mgincome=YI_9800;
if YI_9600=1 and YI_9700=1 and (YI_9800 eq -1 or YI_9800 eq -2 or YI_9800 eq -3) then do;
  if YI_9900=1 then do; mgincome=2500; flag=1; end;
  if YI_9900=2 then do; mgincome=7500; flag=1; end;
  if YI_9900=3 then do; mgincome=17500; flag=1; end;
  if YI_9900=4 then do; mgincome=37500; flag=1; end;
  if YI_9900=5 then do; mgincome=75000; flag=1; end;
  if YI_9900=6 then do; mgincome=175000; flag=1; end;
  if YI_9900=7 then do; mgincome=250001; flag=1; end;
end;
if YI_9600=-1 or YI_9700=-1 or YI_9900=-1 then mgincome=-1;
if YI_9600=-2 or YI_9700=-2 or YI_9900=-2 then mgincome=-2;
if YI_9600=-3 or YI_9700=-3 or YI_9900=-3 then mgincome=-3;
end;

/* If the youth lives with female guardian */
fgincome=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_10100=1 and YI_10200=1 and YI_10300 not in (-1, -2, -3) then fgincome=YI_10300;
if YI_10100=1 and YI_10200=1 and (YI_10300 eq -1 or YI_10300 eq -2 or YI_10300 eq -3) then do;
  if YI_10400=1 then do; fgincome=2500; flag=1; end;
  if YI_10400=2 then do; fgincome=7500; flag=1; end;
  if YI_10400=3 then do; fgincome=17500; flag=1; end;
  if YI_10400=4 then do; fgincome=37500; flag=1; end;
  if YI_10400=5 then do; fgincome=75000; flag=1; end;
  if YI_10400=6 then do; fgincome=175000; flag=1; end;
  if YI_10400=7 then do; fgincome=250001; flag=1; end;
end;
if YI_10100=-1 or YI_10200=-1 or YI_10400=-1 then fgincome=-1;
if YI_10100=-2 or YI_10200=-2 or YI_10400=-2 then fgincome=-2;
if YI_10100=-3 or YI_10200=-3 or YI_10400=-3 then fgincome=-3;
end;

/* Check for income from any household member 14 years of age or older and who hasn't been asked before */
array offamI offamI01 offamI02 offamI03 offamI04 offamI05 offamI06 offamI07 offamI08 offamI09;
array I11100 I111001 I111002 I111003 I111004 I111005 I111006 I111007 I111008 I111009 ;
array I11600 I116001 I116002 I116003 I111004 I116005 I116006 I116007 I116008 I116009 ;
array I11700 I117001 I117002 I117003 I117004 I117005 I117006 I117007 I117008 I117009 ;

do I=1 to 9;
otfamI(I)=0;
if (YI_8400=1 or YI_8500=1) and YI_10700=1 then do;
  if I11100(I)=0 and I11600(I) not in (-1, -2, -3, -4) then oftamI(I)=I11600(I);
  if I11100(I)=0 and (I11600(I) eq -1 or I11600(I) eq -2 or I11600(I) eq -3) then do;
    if I11700(I)=1 then do; oftamI(I)=2500; flag=1; end;
    if I11700(I)=2 then do; oftamI(I)=7500; flag=1; end;
    if I11700(I)=3 then do; oftamI(I)=17500; flag=1; end;
    if I11700(I)=4 then do; oftamI(I)=37500; flag=1; end;
    if I11700(I)=5 then do; oftamI(I)=75000; flag=1; end;
    if I11700(I)=6 then do; oftamI(I)=175000; flag=1; end;
    if I11700(I)=7 then do; oftamI(I)=250001; flag=1; end;
  end;
  if I11100(I)=-1 or I11700(I)=-1 then oftamI(I)=-1;
  if I11100(I)=-2 or I11700(I)=-2 then oftamI(I)=-2;
  if I11100(I)=-3 or I11700(I)=-3 then oftamI(I)=-3;
end;
end;
```

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```
end;

/* If the youth lives on ranch or farm and owns it, the value of the ranch */
pvranchY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_12200=1 and YI_12400=1 and YI_12600 not in (-1, -2, -3) then pvranchY=YI_12600;
if YI_12200=1 and YI_12400=1 and (YI_12600 eq -1 or YI_12600 eq -2 or YI_12600 eq -3) then do;
    if YI_12700=1 then do; pvranchY=12500; flag=1; end;
    if YI_12700=2 then do; pvranchY=37500; flag=1; end;
    if YI_12700=3 then do; pvranchY=75000; flag=1; end;
    if YI_12700=4 then do; pvranchY=175000; flag=1; end;
    if YI_12700=5 then do; pvranchY=375000; flag=1; end;
    if YI_12700=6 then do; pvranchY=750000; flag=1; end;
    if YI_12700=7 then do; pvranchY=1000001; flag=1; end;
end;
if YI_12200=1 and YI_12400=2 and YI_12800 ge 1 and YI_12900 not in (-1, -2, -3) then pvranchY=YI_12900;
if YI_12200=1 and YI_12400=2 and YI_12800 ge 1 and (YI_12900= -1 or YI_12900= -2 or YI_12900= -3) then do;
    if YI_13000=1 then do; pvranchY=12500; flag=1; end;
    if YI_13000=2 then do; pvranchY=37500; flag=1; end;
    if YI_13000=3 then do; pvranchY=75000; flag=1; end;
    if YI_13000=4 then do; pvranchY=175000; flag=1; end;
    if YI_13000=5 then do; pvranchY=375000; flag=1; end;
    if YI_13000=6 then do; pvranchY=750000; flag=1; end;
    if YI_13000=7 then do; pvranchY=1000001; flag=1; end;
end;
if YI_12200=1 and YI_12400=2 and (YI_12800 eq -1 or YI_12800 eq -2 or YI_12800 eq -3) and YI_13100 not in
(-1, -2, -3) then pvranchY=YI_13100;
if YI_12200=1 and YI_12400=2 and (YI_12800 eq -1 or YI_12800 eq -2 or YI_12800 eq -3) and (YI_13100 eq -1
or YI_13100 eq -2 or YI_13100 eq -3) then do;
    if YI_13200=1 then do; pvranchY=12500; flag=1; end;
    if YI_13200=2 then do; pvranchY=37500; flag=1; end;
    if YI_13200=3 then do; pvranchY=75000; flag=1; end;
    if YI_13200=4 then do; pvranchY=175000; flag=1; end;
    if YI_13200=5 then do; pvranchY=375000; flag=1; end;
    if YI_13200=6 then do; pvranchY=750000; flag=1; end;
    if YI_13200=7 then do; pvranchY=1000001; flag=1; end;
end;
if YI_12200=-1 | YI_12400=-1 | YI_12700=-1 | YI_12800=-1 | YI_13000=-1 | YI_13100=-1 then pvranch=-1;
if YI_12200=-2 | YI_12400=-2 | YI_12700=-2 | YI_12800=-2 | YI_13000=-2 | YI_13100=-2 then pvranch=-2;
if YI_12200=-3 | YI_12400=-3 | YI_12700=-3 | YI_12800=-3 | YI_13000=-3 | YI_13100=-3 then pvranch=-3;
end;

/* If the youth lives in a mobile home and owns it, the value of the mobile home */
pvmobilY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_12300=1 and YI_13300=1 and YI_13500 not in (-1, -2, -3) then pvmobilY=YI_13500;
if YI_12300=1 and YI_13300=1 and (YI_13500 eq -1 or YI_13500 eq -2 or YI_13500 eq -3) then do;
    if YI_13600=1 then do; pvmobilY=12500; flag=1; end;
    if YI_13600=2 then do; pvmobilY=37500; flag=1; end;
    if YI_13600=3 then do; pvmobilY=75000; flag=1; end;
    if YI_13600=4 then do; pvmobilY=175000; flag=1; end;
    if YI_13600=5 then do; pvmobilY=375000; flag=1; end;
    if YI_13600=6 then do; pvmobilY=750000; flag=1; end;
    if YI_13600=7 then do; pvmobilY=1000001; flag=1; end;
end;
if YI_12300=1 and YI_13300=2 and YI_13700 not in (-1, -2, -3) then pvmobilY=YI_13700;
if YI_12300=1 and YI_13300=2 and (YI_13700 eq -1 or YI_13700 eq -2 or YI_13700 eq -3) then do;
```

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if YI_13800=1 then do; pvmobilY=12500; flag=1; end;
if YI_13800=2 then do; pvmobilY=37500; flag=1; end;
if YI_13800=3 then do; pvmobilY=75000; flag=1; end;
if YI_13800=4 then do; pvmobilY=175000; flag=1; end;
if YI_13800=5 then do; pvmobilY=375000; flag=1; end;
if YI_13800=6 then do; pvmobilY=750000; flag=1; end;
if YI_13800=7 then do; pvmobilY=1000001; flag=1; end;
end;
if YI_12300=1 and YI_13300=3 and YI_14200 not in (-1, -2, -3) then pvmobilY=YI_14200;
if YI_12300=1 and YI_13300=3 and (YI_14200 eq -1 or YI_14200 eq -2 or YI_14200 eq -3) then do;
  if YI_14300=1 then do; pvmobilY=12500; flag=1; end;
  if YI_14300=2 then do; pvmobilY=37500; flag=1; end;
  if YI_14300=3 then do; pvmobilY=75000; flag=1; end;
  if YI_14300=4 then do; pvmobilY=175000; flag=1; end;
  if YI_14300=5 then do; pvmobilY=375000; flag=1; end;
  if YI_14300=6 then do; pvmobilY=750000; flag=1; end;
  if YI_14300=7 then do; pvmobilY=1000001; flag=1; end;
end;
if YI_12300=-1 | YI_12300=-2 | YI_12300=-3 | YI_13300=-1 | YI_13300=-2 | YI_13300=-3 | YI_13600=-1 | YI_13600=-2 | YI_13600=-3 | YI_13800=-1 | YI_13800=-2 | YI_13800=-3 | YI_14300=-1 | YI_14300=-2 | YI_14300=-3 then pvmobilY=-1;
if YI_12300=-1 | YI_12300=-2 | YI_12300=-3 | YI_13300=-1 | YI_13300=-2 | YI_13300=-3 | YI_13600=-1 | YI_13600=-2 | YI_13600=-3 | YI_13800=-1 | YI_13800=-2 | YI_13800=-3 | YI_14300=-1 | YI_14300=-2 | YI_14300=-3 then pvmobilY=-2;
if YI_12300=-1 | YI_12300=-2 | YI_12300=-3 | YI_13300=-1 | YI_13300=-2 | YI_13300=-3 | YI_13600=-1 | YI_13600=-2 | YI_13600=-3 | YI_13800=-1 | YI_13800=-2 | YI_13800=-3 | YI_14300=-1 | YI_14300=-2 | YI_14300=-3 then pvmobilY=-3;
end;

/* If the youth owns an apartment or house, its present value */
pvhomeY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_14700=1 and YI_15800 not in (-1, -2, -3) then pvhomeY=YI_15800;
if YI_14700=1 and (YI_15800 eq -1 or YI_15800 eq -2 or YI_15800 eq -3) then do;
  if YI_15900=1 then do; pvhomeY=12500; flag=1; end;
  if YI_15900=2 then do; pvhomeY=37500; flag=1; end;
  if YI_15900=3 then do; pvhomeY=75000; flag=1; end;
  if YI_15900=4 then do; pvhomeY=175000; flag=1; end;
  if YI_15900=5 then do; pvhomeY=375000; flag=1; end;
  if YI_15900=6 then do; pvhomeY=750000; flag=1; end;
  if YI_15900=7 then do; pvhomeY=1000001; flag=1; end;
end;
if YI_14700=-1 or YI_15900=-1 then pvhomeY=-1;
if YI_14700=-2 or YI_15900=-2 then pvhomeY=-2;
if YI_14700=-3 or YI_15900=-3 then pvhomeY=-3;
end;

/* Any mortgage or land contract on land or property */
mortgagY=0;
if YI_8400=1 or YI_8500=1 then do;
if (YI_16400=1 or YI_16400=2) and YI_16500 not in (-1, -2, -3) then mortgagY=YI_16500;
if (YI_16400=1 or YI_16400=2) and (YI_16500 eq -1 or YI_16500 eq -2 or YI_16500 eq -3) then do;
  if YI_16600=1 then do; mortgagY=12500; flag=1; end;
  if YI_16600=2 then do; mortgagY=37500; flag=1; end;
  if YI_16600=3 then do; mortgagY=75000; flag=1; end;
  if YI_16600=4 then do; mortgagY=175000; flag=1; end;
  if YI_16600=5 then do; mortgagY=375000; flag=1; end;
  if YI_16600=6 then do; mortgagY=750000; flag=1; end;
  if YI_16600=7 then do; mortgagY=1000001; flag=1; end;
end;
if YI_16400=-1 or YI_16600=-1 then mortgagY=-1;
if YI_16400=-2 or YI_16600=-2 then mortgagY=-2;
if YI_16400=-3 or YI_16600=-3 then mortgagY=-3;
```

```

end;

/* Any loans to buy or build this residence */
loanowed=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_16700=1 and YI_17000 not in (-1, -2, -3) then loanowed=YI_17000;
if YI_16700=1 and (YI_17000 eq -1 or YI_17000 eq -2 or YI_17000 eq -3) then do;
    if YI_17100=1 then do; loanowed=12500; flag=1; end;
    if YI_17100=2 then do; loanowed=37500; flag=1; end;
    if YI_17100=3 then do; loanowed=75000; flag=1; end;
    if YI_17100=4 then do; loanowed=175000; flag=1; end;
    if YI_17100=5 then do; loanowed=375000; flag=1; end;
    if YI_17100=6 then do; loanowed=750000; flag=1; end;
    if YI_17100=7 then do; loanowed=1000001; flag=1; end;
end;
if YI_16700=-1 or YI_17100=-1 then loanowed=-1;
if YI_16700=-2 or YI_17100=-2 then loanowed=-2;
if YI_16700=-3 or YI_17100=-3 then loanowed=-3;
end;

/* Any second mortgages */
secmortY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_17200=1 and YI_17300 not in (-1, -2, -3) then secmortY=YI_17300;
if YI_17200=1 and (YI_17300 eq -1 or YI_17300 eq -2 or YI_17300 eq -3) then do;
    if YI_17400=1 then do; secmortY=2500; flag=1; end;
    if YI_17400=2 then do; secmortY=7500; flag=1; end;
    if YI_17400=3 then do; secmortY=17500; flag=1; end;
    if YI_17400=4 then do; secmortY=37500; flag=1; end;
    if YI_17400=5 then do; secmortY=75000; flag=1; end;
    if YI_17400=6 then do; secmortY=175000; flag=1; end;
    if YI_17400=7 then do; secmortY=250001; flag=1; end;
end;
if YI_17200=-1 or YI_17400=-1 then secmortY=-1;
if YI_17200=-2 or YI_17400=-2 then secmortY=-2;
if YI_17200=-3 or YI_17400=-3 then secmortY=-3;
end;

/* Any taxes on the property to be paid */
proptaxY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_17500=1 and YI_17600 ne . and YI_17600 ge 1 then proptaxY=YI_17600;
if YI_17600=-1 then proptaxY=-1;
if YI_17600=-2 then proptaxY=-2;
if YI_17600=-3 then proptaxY=-3;
end;

/* Own a business, partnership or professional practice */
pvbussY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_17800=1 and YI_17900 not in (-1, -2, -3) then pvbussY=YI_17900;
if YI_17800=1 and (YI_17900 eq -1 or YI_17900 eq -2 or YI_17900 eq -3) then do;
    if YI_18000=1 then do; pvbussY=0; flag=1; end;
    if YI_18000=2 then do; pvbussY=12500; flag=1; end;
    if YI_18000=3 then do; pvbussY=37500; flag=1; end;
    if YI_18000=4 then do; pvbussY=75000; flag=1; end;
    if YI_18000=5 then do; pvbussY=175000; flag=1; end;
end;

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    if YI_18000=6 then do; pvbussY=375000; flag=1; end;
    if YI_18000=7 then do; pvbussY=750000; flag=1; end;
    if YI_18000=8 then do; pvbussY=1000001; flag=1; end;
  end;
if YI_17800=-1 or YI_18000=-1 then pvbussY=-1;
if YI_17800=-2 or YI_18000=-2 then pvbussY=-2;
if YI_17800=-3 or YI_18000=-3 then pvbussY=-3;
end;

/* Second real estate owned */
secrestY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_18100=1 and YI_18200 not in (-1, -2, -3) then secrestY=YI_18200;
if YI_18100=1 and (YI_18200 eq -1 or YI_18200 eq -2 or YI_18200 eq -3) then do;
  if YI_18300=1 then do; secrestY=0; flag=1; end;
  if YI_18300=2 then do; secrestY=12500; flag=1; end;
  if YI_18300=3 then do; secrestY=37500; flag=1; end;
  if YI_18300=4 then do; secrestY=75000; flag=1; end;
  if YI_18300=5 then do; secrestY=175000; flag=1; end;
  if YI_18300=6 then do; secrestY=375000; flag=1; end;
  if YI_18300=7 then do; secrestY=750000; flag=1; end;
  if YI_18300=8 then do; secrestY=1000001; flag=1; end;
end;
if YI_18100=-1 or YI_18300=-1 then secrestY=-1;
if YI_18100=-2 or YI_18300=-2 then secrestY=-2;
if YI_18100=-3 or YI_18300=-3 then secrestY=-3;
end;

/* Any retirement plans or pensions */
retireY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_18400=1 and YI_18500 not in (-1, -2, -3) then retireY=YI_18500;
if YI_18400=1 and (YI_18500 eq -1 or YI_18500 eq -2 or YI_18500 eq -3) then do;
  if YI_18600=1 then do; retireY=2500; flag=1; end;
  if YI_18600=2 then do; retireY=7500; flag=1; end;
  if YI_18600=3 then do; retireY=17500; flag=1; end;
  if YI_18600=4 then do; retireY=37500; flag=1; end;
  if YI_18600=5 then do; retireY=75000; flag=1; end;
  if YI_18600=6 then do; retireY=175000; flag=1; end;
  if YI_18600=7 then do; retireY=250000; flag=1; end;
end;
if YI_18400=-1 or YI_18600=-1 then retireY=-1;
if YI_18400=-2 or YI_18600=-2 then retireY=-2;
if YI_18400=-3 or YI_18600=-3 then retireY=-3;
end;

/* Any savings in saving accounts, money market, funds, trusts,...*/
savingsY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_18700=1 and YI_18800 not in (-1, -2, -3) then savingsY=YI_18800;
if YI_18700=1 and (YI_18800 eq -1 or YI_18800 eq -2 or YI_18800 eq -3) then do;
  if YI_18900=1 then do; savingsY=500; flag=1; end;
  if YI_18900=2 then do; savingsY=1750; flag=1; end;
  if YI_18900=3 then do; savingsY=3750; flag=1; end;
  if YI_18900=4 then do; savingsY=7500; flag=1; end;
  if YI_18900=5 then do; savingsY=17500; flag=1; end;
  if YI_18900=6 then do; savingsY=37500; flag=1; end;
end;
```

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```
        if YI_18900=7 then do; savingsY=50001; flag=1; end;
        end;
if YI_18700=-1 or YI_18900=-1 then savingsY=-1;
if YI_18700=-2 or YI_18900=-2 then savingsY=-2;
if YI_18700=-3 or YI_18900=-3 then savingsY=-3;
end;

/* Any other savings in bonds or CDs */
othsavY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_19000=1 and YI_19100 not in (-1, -2, -3) then othsavY=YI_19100;
if YI_19000=1 and (YI_19100 eq -1 or YI_19100 eq -2 or YI_19100 eq -3) then do;
    if YI_19200=1 then do; othsavY=2500; flag=1; end;
    if YI_19200=2 then do; othsavY=7500; flag=1; end;
    if YI_19200=3 then do; othsavY=17500; flag=1; end;
    if YI_19200=4 then do; othsavY=37500; flag=1; end;
    if YI_19200=5 then do; othsavY=75000; flag=1; end;
    if YI_19200=6 then do; othsavY=175000; flag=1; end;
    if YI_19200=7 then do; othsavY=250001; flag=1; end;
end;
if YI_19000=-1 or YI_19200=-1 then othsavY=-1;
if YI_19000=-2 or YI_19200=-2 then othsavY=-2;
if YI_19000=-3 or YI_19200=-3 then othsavY=-3;
end;

/* Any stocks in corporations, mutual funds */
stockY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_19400=1 and YI_19500 not in (-1, -2, -3) then stockY=YI_19500;
if YI_19400=1 and (YI_19500 eq -1 or YI_19500 eq -2 or YI_19500 eq -3) then do;
    if YI_19600=1 then do; stockY=2500; flag=1; end;
    if YI_19600=2 then do; stockY=7500; flag=1; end;
    if YI_19600=3 then do; stockY=17500; flag=1; end;
    if YI_19600=4 then do; stockY=37500; flag=1; end;
    if YI_19600=5 then do; stockY=75000; flag=1; end;
    if YI_19600=6 then do; stockY=175000; flag=1; end;
    if YI_19600=7 then do; stockY=250001; flag=1; end;
end;
if YI_19400=-1 or YI_19600=-1 then stockY=-1;
if YI_19400=-2 or YI_19600=-2 then stockY=-2;
if YI_19400=-3 or YI_19600=-3 then stockY=-3;
end;

/* Present value of any vehicles owned */
pvcarsY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_19700=1 and YI_19800 not in (-1, -2, -3) then pvcarsY=YI_19800;
if YI_19700=1 and (YI_19800 eq -1 or YI_19800 eq -2 or YI_19800 eq -3) then do;
    if YI_19900=1 then do; pvcarsY=500; flag=1; end;
    if YI_19900=2 then do; pvcarsY=1750; flag=1; end;
    if YI_19900=3 then do; pvcarsY=3750; flag=1; end;
    if YI_19900=4 then do; pvcarsY=7500; flag=1; end;
    if YI_19900=5 then do; pvcarsY=17500; flag=1; end;
    if YI_19900=6 then do; pvcarsY=37500; flag=1; end;
    if YI_19900=7 then do; pvcarsY=50001; flag=1; end;
end;
if YI_19700=-1 or YI_19900=-1 then pvcars=-1;
```

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```
if YI_19700=-2 or YI_19900=-2 then pvcars=-2;
if YI_19700=-3 or YI_19900=-3 then pvcars=-3;
end;

/* Amount owed on any vehicles */
owecarY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_19700=1 and YI_20000 not in (-1, -2, -3) then owecarY=YI_20000;
if YI_19700=1 and (YI_20000 eq -1 or YI_20000 eq -2 or YI_20000 eq -3) then do;
    if YI_20100=1 then do; owecarY=500; flag=1; end;
    if YI_20100=2 then do; owecarY=1750; flag=1; end;
    if YI_20100=3 then do; owecarY=3750; flag=1; end;
    if YI_20100=4 then do; owecarY=7500; flag=1; end;
    if YI_20100=5 then do; owecarY=17500; flag=1; end;
    if YI_20100=6 then do; owecarY=37500; flag=1; end;
    if YI_20100=7 then do; owecarY=50001; flag=1; end;
end;
if YI_19700=-1 or YI_20100=-1 then owecarY=-1;
if YI_19700=-2 or YI_20100=-2 then owecarY=-2;
if YI_19700=-3 or YI_20100=-3 then owecarY=-3;
end;

/* Present value of owned furniture */
PVFURNTY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_20200=1 then do; PVFURNTY=500; flag=1; end;
if YI_20200=2 then do; PVFURNTY=1750; flag=1; end;
if YI_20200=3 then do; PVFURNTY=3750; flag=1; end;
if YI_20200=4 then do; PVFURNTY=7500; flag=1; end;
if YI_20200=5 then do; PVFURNTY=17500; flag=1; end;
if YI_20200=6 then do; PVFURNTY=37500; flag=1; end;
if YI_20200=7 then do; PVFURNTY=50001; flag=1; end;
if YI_20200=-1 then PVFURNTY=-1;
if YI_20200=-2 then PVFURNTY=-2;
if YI_20200=-3 then PVFURNTY=-3;
end;

/* Any other assets not being mentioned before */
otassetY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_20300=1 and YI_20400 not in (-1, -2, -3) then otassetY=YI_20400;
if YI_20300=1 and (YI_20400 eq -1 or YI_20400 eq -2 or YI_20400 eq -3) then do;
    if YI_20500=1 then do; otassetY=2500; flag=1; end;
    if YI_20500=2 then do; otassetY=7500; flag=1; end;
    if YI_20500=3 then do; otassetY=17500; flag=1; end;
    if YI_20500=4 then do; otassetY=37500; flag=1; end;
    if YI_20500=5 then do; otassetY=75000; flag=1; end;
    if YI_20500=6 then do; otassetY=175000; flag=1; end;
    if YI_20500=7 then do; otassetY=250001; flag=1; end;
end;
if YI_20300=-1 or YI_20500=-1 then otassetY=-1;
if YI_20300=-2 or YI_20500=-2 then otassetY=-2;
if YI_20300=-3 or YI_20500=-3 then otassetY=-3;
end;

/* Any loans still owed to family or relatives */
```


Appendix 5: Income and Assets Variable Creation

```
array rloan rloan01 rloan02 rloan03 rloan04 rloan05 rloan06 rloan07 rloan08 rloan09 rloan10 rloan11 rloan12
      rloan13 rloan14 rloan15 rloan16 rloan17 rloan18 rloan19 rloan20;
array I21800 I2180001 I2180002 I2180003 I2180004 I2180005 I2180006 I2180007 I2180008 I2180009
      I2180010 I2180011 I2180012 I2180013 I2180014 I2180015 I2180016 I2180017 I2180018 I2180019
      I2180020;
array I21900 I2190001 I2190002 I2190003 I2190004 I2190005 I2190006 I2190007 I2190008 I2190009
      I2190010 I2190011 I2190012 I2190013 I2190014 I2190015 I2190016 I2190017 I2190018 I2190019
      I2190020;

do I=1 to 20;
  rloan(I)=0;
  if YI_8500=1 and YI_20800=1 then do;
    if I21800(I) not in (-1, -2, -3, -4) then rloan(I)=I21800(I);
    if (I21800(I) eq -1 or I21800(I) eq -2 or I21800(I) eq -3) then do;
      if I21900(I)=1 then do; rloan(I)=500; flag=1; end;
      if I21900(I)=2 then do; rloan(I)=1750; flag=1; end;
      if I21900(I)=3 then do; rloan(I)=3750; flag=1; end;
      if I21900(I)=4 then do; rloan(I)=7500; flag=1; end;
      if I21900(I)=5 then do; rloan(I)=17500; flag=1; end;
      if I21900(I)=6 then do; rloan(I)=37500; flag=1; end;
      if I21900(I)=7 then do; rloan(I)=50001; flag=1; end;
    end;
    if YI_20800=-1 or I21900(I)=-4 then rloan(I)=-1;
    if YI_20800=-2 or I21900(I)=-4 then rloan(I)=-2;
    if YI_20800=-3 or I21900(I)=-4 then rloan(I)=-3;
    if I21800(I) eq . then rloan(I)=0;
  end;
end;

/* Any other debts from loans, credit cards, etc...*/
othdebtY=0;
if YI_8400=1 or YI_8500=1 then do;
if YI_22100=1 and YI_22200 not in (-1, -2, -3) then othdebtY=YI_22200;
if YI_22100=1 and (YI_22200 eq -1 or YI_22200 eq -2 or YI_22200 eq -3) then do;
  if YI_22300=1 then do; othdebtY=500; flag=1; end;
  if YI_22300=2 then do; othdebtY=1750; flag=1; end;
  if YI_22300=3 then do; othdebtY=3750; flag=1; end;
  if YI_22300=4 then do; othdebtY=7500; flag=1; end;
  if YI_22300=5 then do; othdebtY=17500; flag=1; end;
  if YI_22300=6 then do; othdebtY=37500; flag=1; end;
  if YI_22300=7 then do; othdebtY=50001; flag=1; end;
end;
if YI_22100=-1 or YI_22300=-1 then othdebtY=-1;
if YI_22100=-2 or YI_22300=-2 then othdebtY=-2;
if YI_22100=-3 or YI_22300=-3 then othdebtY=-3;
end;

/* Calculate the household net worth according to the youth: hhworthY=assets-liabilities */
do I=1 to 19;
  hhworthY=-4;
  if rloan(I) ge 0 then do;
    hhworthY=(estatesY + pvbranchY + pvmobilY + pvhomeY + pvbussY + secrestY + retireY + savingsY + othsavY +
      stockY + pvcarsY + PVFURNITY+otassetY) - (mortgagY + loanowed + secmortY + rloan01 + rloan02 + rloan03
      + rloan04 + rloan05 + rloan06 + rloan07 + rloan08 + rloan09 + rloan10 + rloan11 + rloan12 + rloan13 +
      rloan14 + rloan15 + rloan16 + rloan17 + rloan18 + rloan19 + othdebtY + owecarY);
  end;
end;
```

Appendix 5: Income and Assets Variable Creation

```
if YI_1900=0 or YI_8500=0 or YI_1900=-4 or YI_8500=-4 then hhworthY=-4;
if (YI_1900=1 or YI_8500=1) and (estatesY=-1 or pvranchY=-1 or pvmobilY=-1 or pvhomeY=-1 or pvbussY=-1 or
  secrestY=-1 or retireY=-1 or savingsY=-1 or othsavY=-1 or stockY=-1 or pvcarsY=-1 or PVFURNTY=-1 or
  otassetY=-1 or mortgagY=-1 or loanowed=-1 or secmortY=-1 or rloan01=-1 or rloan02=-1 or rloan03=-1 or
  rloan04=-1 or rloan05=-1 or rloan06=-1 or rloan07=-1 or rloan08=-1 or rloan09=-1 or rloan10=-1 or rloan11=-
  1 or rloan12=-1 or rloan13=-1 or rloan14=-1 or rloan15=-1 or rloan16=-1 or rloan17=-1 or rloan18=-1 or
  rloan19=-1 or othdebtY=-1 or owecarY=-1) then hhworthY=-1;
if (YI_1900=1 or YI_8500=1) and (estatesY=-2 or pvranchY=-2 or pvmobilY=-2 or pvhomeY=-2 or pvbussY=-2 or
  secrestY=-2 or retireY=-2 or savingsY=-2 or othsavY=-2 or stockY=-2 or pvcarsY=-2 or PVFURNTY=-2 or
  otassetY=-2 or mortgagY=-2 or loanowed=-2 or secmortY=-2 or rloan01=-2 or rloan02=-2 or rloan03=-2 or
  rloan04=-2 or rloan05=-2 or rloan06=-2 or rloan07=-2 or rloan08=-2 or rloan09=-2 or rloan10=-2 or rloan11=-
  2 or rloan12=-2 or rloan13=-2 or rloan14=-2 or rloan15=-2 or rloan16=-2 or rloan17=-2 or rloan18=-2 or
  rloan19=-2 or othdebtY=-2 or owecarY=-2) then hhworthY=-2;
if (YI_1900=1 or YI_8500=1) and (estatesY=-3 or pvranchY=-3 or pvmobilY=-3 or pvhomeY=-3 or pvbussY=-3 or
  secrestY=-3 or retireY=-3 or savingsY=-3 or othsavY=-3 or stockY=-3 or pvcarsY=-3 or PVFURNTY=-3 or
  otassetY=-3 or mortgagY=-3 or loanowed=-3 or secmortY=-3 or rloan01=-1 or rloan02=-3 or rloan03=-3 or
  rloan04=-3 or rloan05=-3 or rloan06=-3 or rloan07=-3 or rloan08=-3 or rloan09=-3 or rloan10=-3 or rloan11=-
  3 or rloan12=-3 or rloan13=-3 or rloan14=-3 or rloan15=-3 or rloan16=-3 or rloan17=-3 or rloan18=-3 or
  rloan19=-3 or othdebtY=-3 or owecarY=-3) then hhworthY=-3;

/* Create gross hh income according to the youth*/
if afdcy eq -4 then afdcy=0;
if ssiy eq -4 then ssiy=0;
if othe eq -4 then othe=0;

do I=1 to 9;
groshhIY=-4;
if YI_1900=0 or YI_8500=0 or YI_1900=-4 or YI_8500=-4 then groshhIY=-4;
if (otfamI(I) ge 0 and (YI_1900=1 or YI_8500=1)) then do;
  groshhIY=(nfarmwgY + farmwgY + nfarmwgP + farmwgP + childsuY + interesY + dividend + rentalY + pensionY
    + faincome + maincome + mgincome + fgincome + offamI01 + offamI02 + offamI03 + offamI04 + offamI05 +
    offamI06 + offamI07 + offamI08 + offamI09 + allowpar + allowmot + allowfat + afdcy + ssiy + othe);
end;

if (YI_1900=1 or YI_8500=1) and (nfarmwgY=-1 or farmwgY=-1 or nfarmwgP=-1 or farmwgP=-1 or childsuY=-1 or
  interesY=-1 or dividend=-1 or rentalY=-1 or pensionY=-1 or faincome=-1 or maincome=-1 or mgincome=-1 or
  fgincome=-1 or offamI01=-1 or offamI02=-1 or offamI03=-1 or offamI04=-1 or offamI04=-1 or offamI05=-1 or
  offamI06=-1 or offamI07=-1 or offamI08=-1 or offamI09=-1 or allowpar=-1 or allowmot=-1 or allowfat=-1 or
  afdcy=-1 or ssiy=-1 or othe=-1 ) then groshhIY=-3;
if (YI_1900=1 or YI_8500=1) and (nfarmwgY=-2 or farmwgY=-2 or nfarmwgP=-2 or farmwgP=-2 or childsuY=-2 or
  interesY=-2 or dividend=-2 or rentalY=-2 or pensionY=-2 or faincome=-2 or maincome=-2 or mgincome=-2 or
  fgincome=-2 or offamI01=-2 or offamI02=-2 or offamI03=-2 or offamI04=-2 or offamI04=-2 or offamI05=-2 or
  offamI06=-2 or offamI07=-2 or offamI08=-2 or offamI09=-2 or allowpar=-2 or allowmot=-2 or allowfat=-2 or
  afdcy=-2 or ssiy=-2 or othe=-2 ) then groshhIY=-2;
if (YI_1900=1 or YI_8500=1) and (nfarmwgY=-3 or farmwgY=-3 or nfarmwgP=-3 or farmwgP=-3 or childsuY=-3 or
  interesY=-3 or dividend=-3 or rentalY=-3 or pensionY=-3 or faincome=-3 or maincome=-3 or mgincome=-3 or
  fgincome=-3 or offamI01=-3 or offamI02=-3 or offamI03=-3 or offamI04=-3 or offamI04=-3 or offamI05=-3 or
  offamI06=-3 or offamI07=-3 or offamI08=-3 or offamI09=-3 or allowpar=-3 or allowmot=-3 or allowfat=-3 or
  afdcy=-3 or ssiy=-3 or othe=-3 ) then groshhIY=-3;

if YI_6000=0 then do;
if (otfamI(I) ge 0 and (YI_1900=1 or YI_8500=1)) then do;
  groshhIY=(nfarmwgY + farmwgY + nfarmwgP + farmwgP + childsuY + interesY + dividend + rentalY + pensionY
    + faincome + maincome + mgincome + fgincome + offamI01 + offamI02 + offamI03 + offamI04 + offamI05 +
    offamI06 + offamI07 + offamI08 + offamI09 + allowpar + allowmot + allowfat + afdcy + ssiy + othe);
end;
```

Appendix 5: Income and Assets Variable Creation

```

if (YI_1900=1 or YI_8500=1) and (nfarmwgY=-1 or farmwgY=-1 or nfarmwgP=-1 or farmwgP=-1 or childsuY=-1 or
interesY=-1 or dividend=-1 or rentalY=-1 or pensionY=-1 or faincome=-1 or maincome=-1 or mgincome=-1 or
fgincome=-1 or offamI01=-1 or offamI02=-1 or offamI03=-1 or offamI04=-1 or offamI04=-1 or offamI05=-1 or
otfamI06=-1 or offamI07=-1 or offamI08=-1 or offamI09=-1 or allowpar=-1 or allowmot=-1 or allowfat=-1 or
afdcy=-1 or ssiy=-1 or othe=-1 ) then groshhIY=-1;
if (YI_1900=1 or YI_8500=1) and (nfarmwgY=-2 or farmwgY=-2 or nfarmwgP=-2 or farmwgP=-2 or childsuY=-2 or
interesY=-2 or dividend=-2 or rentalY=-2 or pensionY=-2 or faincome=-2 or maincome=-2 or mgincome=-2 or
fgincome=-2 or offamI01=-2 or offamI02=-2 or offamI03=-2 or offamI04=-2 or offamI04=-2 or offamI05=-2 or
otfamI06=-2 or offamI07=-2 or offamI08=-2 or offamI09=-2 or allowpar=-2 or allowmot=-2 or allowfat=-2 or
afdcy=-2 or ssiy=-2 or othe=-2 ) then groshhIY=-2;
if (YI_1900=1 or YI_8500=1) and (nfarmwgY=-3 or farmwgY=-3 or nfarmwgP=-3 or farmwgP=-3 or childsuY=-3 or
interesY=-3 or dividend=-3 or rentalY=-3 or pensionY=-3 or faincome=-3 or maincome=-3 or mgincome=-3 or
income=-3 or offamI01=-3 or offamI02=-3 or offamI03=-3 or offamI04=-3 or offamI04=-3 or offamI05=-3 or
otfamI06=-3 or offamI07=-3 or offamI08=-3 or offamI09=-3 or allowpar=-3 or allowmot=-3 or allowfat=-3 or
afdcy=-3 or ssiy=-3 or othe=-3 ) then groshhIY=-3;
end;
end;

```

?* SECTION 3: GROSS HOUSEHOLD INCOME—PARENT AND YOUTH INFORMATION**
******/** /* Create the Gross household income, first looking at the parent, if not available, at the youth. Also a
dummy variable indicating whether the value has been taken from the parent or youth */

```

if groshhIp ne . then do;
    hhincome=groshhIp; R=1; end;
if groshhIp eq . then do;
    hhincome=groshhIY; R=2; end;
if (groshhIp=-2 or groshhIp=-1 or groshhIp=-4 or groshhIp=-3) and groshhIY ne -4 then do;

    hhincome=groshhIY; R=2; end;

```

****** SECTION 4: POVERTY THRESHOLDS AND INCOME-TO-POVERTY THRESHOLD RATIO ****/**

/* The hh poverty threshold is calculated based on the total number of hh members and the number under age 18 */

| | |
|--|---|
| <pre> povert=-4; if hhmemb=-4 or under18=-4 then povert=-4; if hhmemb=-1 or under18=-1 then povert=-1; if hhmemb=-2 or under18=-2 then povert=-2; if hhmemb=-3 or under18=-3 then povert=-3; if hhmemb=1 then povert=8163; if hhmemb=2 then do; if under18=0 then povert=10507; if under18=1 then povert=10815; end; if hhmemb=3 then do; if under18=0 then povert=12273; if under18=1 then povert=12629; if under18=2 then povert=12641; end; </pre> | <pre> if hhmemb=4 then do; if under18=0 then povert=16183; if under18=1 then povert=16448; if under18=2 then povert=15911; if under18=3 then povert=15967; end; if hhmemb=5 then do; if under18=0 then povert=19516; if under18=1 then povert=19800; if under18=2 then povert=19194; if under18=3 then povert=18725; if under18=4 then povert=18438; end; if hhmemb=6 then do; if under18=0 then povert=22447; </pre> |
|--|---|

Appendix 5: Income and Assets Variable Creation

```
if under18=1 then povert=22536;
if under18=2 then povert=22072;
if under18=3 then povert=21627;
if under18=4 then povert=20965;
if under18=5 then povert=20573;
end;

if hhmember=7 then do;
  if under18=0 then povert=25828;
  if under18=1 then povert=25990;
  if under18=2 then povert=25434;
  if under18=3 then povert=25046;
  if under18=4 then povert=24324;
  if under18=5 then povert=23482;
  if under18=6 then povert=22558;
end;

if hhmember=8 then do;
  if under18=0 then povert=28887;
  if under18=1 then povert=29142;
  if under18=2 then povert=28617;
  if under18=3 then povert=28158;
  if under18=4 then povert=27506;
  if under18=5 then povert=26678;
  if under18=6 then povert=25816;
  if under18=7 then povert=25597;
end;

if hhmember=9 then do;
  if under18=0 then povert=34749;
  if under18=1 then povert=34917;
  if under18=2 then povert=34453;

  if under18=3 then povert=34063;
  if under18=4 then povert=33423;
  if under18=5 then povert=32542;
  if under18=6 then povert=31746;
  if under18=7 then povert=31548;
  if under18=8 then povert=30333;
end;

povthr=-4;
if hhincome ge 0 then povthr=hhincome/povert;
if hhincome eq -1 or povert=-1 then povthr=-1;
if hhincome eq -2 or povert=-2 then povthr=-2;
if hhincome eq -3 or povert=-3 then povthr=-3;

povthr2=-4;
if povthr ge 0 then do;
  povthr2=povthr*100;
end;
if povthr eq -1 then povthr2=-1;
if povthr eq -2 then povthr2=-2;
if povthr eq -3 then povthr2=-3;

povthr3=-4;
if povthr2 ge 0 then do;
  povthr3=round(povthr2, 1);
end;
if povthr2 eq -1 then povthr3=-1;
if povthr2 eq -2 then povthr3=-2;
if povthr2 eq -3 then povthr3=-3;

endsas;
```