Case ID, Longitudinal Flag & Weight for NELS:88

Variable[7421]: ***F4PNLFL*** Panel flag, member BY, F1, F2, F3 and F4

Section: F4 Weighting
+ +
Panel flag, member BY, F1, F2, F3 and F4 data collection waves
This flag shows whether the sample member was a respondent
in the base year, first, second, third, and fourth follow-up
studies of NELS:88. Members of this panel responded to all
five NELS:88 waves in 1988, 1990, 1992, 1994, and 2000.
Note: Analysts may distinguish between "legitimate skips" and "not
in wave" (both assigned consistency code of 9 in BY through F2 items)
by examining the analytic weight for the case. If the weight > 0
then the respondent skipped the item, otherwise the case was not in
the wave. The same approach applies for "legitimate skips" and "F3
nonrespondents" in the third follow-up data (consistency code= -9).
For additional information, see sections 5.5.1 and 5.6 in the BY to
Applies to: Members of BY-F4 panel
Sources: NELS:88/2000
% %

Code	Freq	Percent	Label
0	1317	10.8	Nonrespondent, at least one wave
1	10827	89.2	Panel member

- -

Variable[7429]: ***F4PNLWT*** Panel weight, BY, F1, F2, F3, and F4
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 14/15 41-50

Section: F4 Weighting
+ +
Panel weight for BY to F4 respondents (inclusive)
This panel weight applies to sample members who completed
questionnaires in all five rounds of NELS:88. This weight can
be used to make projections to the population of spring 1988
8th graders.
Note: Analysts may distinguish between "legitimate skips" and "not
in wave" (both assigned consistency code of 9 in BY through F2 items)
by examining the analytic weight for the case. If the weight > 0
then the respondent skipped the item, otherwise the case was not in
the wave. The same approach applies for "legitimate skips" and "F3
nonrespondents" in the third follow-up data (consistency code= -9).
For additional information, see sections 5.5.1 and 5.6 in the BY to
Applies to: All respondents
Sources: NELS:88/2000
% %

Code	Freq	Percent	Label
0	1317	10.8	{zero}
{cont}	10827	89.2	{11.11-10370.88;269.84/328.05}

- -

Respondent Family Background

Variable[362]: ***BYSES*** SOCIO-ECONOMIC STATUS COMPOSITE

Section: BY STUDENT PUB

+ +

BYSES was constructed using the following parent questionnaire data: father's education level, mother's education level, father's occupation, mother's occupation, and family income (data coming from BYP30, BYP31, BYP34B, BYP37B, and BYP80).

For cases where all parent data components were missing (8.1 percent of the participants), student data were used to compute the BYSES. The first four components from the student data are the same as the components used from parent data (i.e., educational-level data, BYS34A and BYS34B, similarly recoded; occupational data, BYS4B and BYS7B of student questionnaire part one, also recoded). The fifth component for BYSES from the student data consisted of summing the non-missing household items listed at BYS3A-P (after recoding "Not Have Item" from "2" to "0"), calculating a simple mean of these items, and then standardizing this mean. The actual range for BYSES is -2.97 through 2.56, with 99.998 indicating - Missing.

% %

Code	Freq	Percent	Label
{cont}	11384	93.7	{-2.88-2.56;-.08/.79}
99.999	760	6.3	{Legitimate skip/not in wave}

- -

Variable[365]: ***BYFAMSIZ*** FAMILY SIZE
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 1/15 442-443

Section: BY STUDENT PUB
+ +
BYFAMSIZ reports estimated family size. It was computed
using both the parent and student questionnaires. If all of
BYS8A-I were missing; then BYFAMSIZ was coded missing.
Otherwise, the number was 1 for the respondent plus an
estimate for the number of siblings plus the number of
family members other than siblings as marked in items
BYS8A-D and BYS8G-I.
% %

Code	Freq	Percent	Label
2	341	2.8	{2}
3	1574	13.0	{3}
4	4036	33.2	{4}
5	2887	23.8	{5}
6	1313	10.8	{6}
7	574	4.7	{7}
8	259	2.1	{8}
9	219	1.8	{9}
10	49	0.4	{10+}
98	132	1.1	{MISSING}
99	760	6.3	{Legitimate skip/not in wave}

- -

Variable[82]: ***BYS32*** NUMBER OF SIBLINGS R HAS
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 1/15 110-111

Section: BY STUDENT PUB
+ +
32. How many brothers and sisters do you have? Please include
any stepbrothers and/or stepsisters if they live or have
lived in your home. (MARK ONE)
Sources: NELS:88/94 public-use ECB
% %

Code	Freq	Percent	Label
0	705	5.8	NONE
1	3673	30.2	ONE
2	3057	25.2	TWO
3	1703	14.0	THREE
4	905	7.5	FOUR
5	491	4.0	FIVE
6	788	6.5	SIX OR MORE
96	10	0.1	{MULTIPLE RESPNSE}
98	52	0.4	{MISSING}
99	760	6.3	{Legitimate skip/not in wave}

- -

Variable[366]: ***BYFCOMP*** FAMILY COMPOSITION COMPOSITE
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 1/15 444-445

Section: BY STUDENT PUB
+ +
BYFCOMP characterizes the family or household composition.
It was constructed from the student responses to BYS8A-I.
The values for BYFCOMP are:
% %

Code	Freq	Percent	Label
1	7882	64.9	MOTHER & FATHER
2	1051	8.7	MOTHER & MALE GUARDN
3	228	1.9	FATHER & FEM GUARD.
4	1584	13.0	MOTHER ONLY
5	248	2.0	FATHER ONLY
6	259	2.1	OTH REL/NON-RELATIVE
98	132	1.1	{MISSING}
99	760	6.3	{Legitimate skip/not in wave}

- -

Variable[369]: ***BYHMLANG*** HOME LANGUAGE BACKGROUND
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 1/15 450-450

Section: BY STUDENT PUB
+ +
BYHMLANG characterizes primary language use and dominant
language use in the home by differentiating between English
or non-English languages. The classification was made from
the student questionnaire data.
When language use cannot be determined from the student
questionnaire, data from the parent questionnaire was used.
The values for BYHMLANG are:
% %

Code	Freq	Percent	Label
1	417	3.4	NON-ENGLISH ONLY
2	1020	8.4	NON-ENGLISH DOMINANT
3	1078	8.9	ENGLISH DOMINANT
4	8846	72.8	ENGLISH ONLY
8	23	0.2	{MISSING}
9	760	6.3	{Legitimate skip/not in wave}

- -

Respondent Demographics

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Variable[   344]:  SEX       COMPOSITE SEX
Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 SEX was taken first from the "Your Background" (BYS12)
 section of the student questionnaire. If this source was
 missing or not available, then the value of the variable
 SEX assigned on the school roster was used.  If SEX was
 still missing, it was imputed from the respondent's name.
 On any records for which this could not be done
 unambiguously, this variable had a value of 1 or 2 randomly
 assigned. The values for SEX are:
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   5349  44.0 MALE
        2   6035  49.7 FEMALE
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   345]:  RACE      COMPOSITE RACE

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 RACE was constructed from BYS31A.   See NELS:88 First
 Follow-Up: Student Component Data Users' Manual Vol. 1 for
 more details on how this composite was constructed.  The
 values for RACE are:
 1 = Asian or Pacific Islander
 2 = Hispanic, regardless of race
 3 = Black, not of Hispanic origin
 4 = White, not of Hispanic origin
 5 = American Indian or Alaskan Native
 8 = Missing, BYS31A was not answered or
 more than one race category was chosen
 NOTE:  This variable was recoded on the public data file by
 NCES in accordance with the confidentiality provisions of
 PL100-297 (1988).
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1    764   6.3 ASIAN/PACIFIC ISLNDR
        2   1444  11.9 HISPANIC
        3   1041   8.6 BLACK NOT HISPANIC
        4   7908  65.1 WHITE NOT HISPANIC
        5    117   1.0 AMER IND/AK NATIVE
        8    110   0.9 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}
```

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[  7354]:  F4GMRS    Marital status in 2000
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 13/15   428-429

Section: F4 Family formation
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 Marital status in 2000
       Next, I'm going to ask you a few questions
       about your family life.
       What is your current marital status?
       1 = SINGLE, NEVER MARRIED
       2 = MARRIED
       3 = DIVORCED
       4 = SEPARATED
       5 = WIDOWED
       6 = PARTNER, SIGNIFICANT OTHER, NOT MARRIED, BUT IN A
           MARRIAGE-LIKE RELATIONSHIP
 Applies to: All respondents.
 Sources: NELS:88/2000 Full Scale CATI/CAPI
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   6455  53.2 Single, never married
        2   4796  39.5 Married
        3    563   4.6 Divorced
        4    171   1.4 Separated
        5      5   0.0 Widowed
        6    112   0.9 In marriage-like relationship
       -1      5   0.0 {Don^t know}
       -2      6   0.0 {Refused}
       -7     31   0.3 {Not reached-partial/abbrev interview}
```

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[  7371]:  F4GNCH    Number of biological children
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 13/15   470-471

Section: F4 Family formation
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 Number of biological children
       How many children of your own, (if any,)
       have you had?
       INTERVIEWER: IN THIS CASE, CHILDREN MUST BE "NATURAL" OR
       "BIOLOGICAL" CHILDREN (i.e., BORN TO RESPONDENT).
       ENTER "0" IF NONE.
       INTERVIEWER: RECORD NUMBER OF CHILDREN
       RANGE (0-10):
 Applies to: All respondents.
 Sources: NELS:88/2000 Full Scale CATI/CAPI
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        0   7551  62.2 {0}
        1   2302  19.0 {1}
        2   1563  12.9 {2}
        3    519   4.3 {3}
        4    122   1.0 {4}
        5     28   0.2 {5}
        6      5   0.0 {6}
        7      3   0.0 {7}
        8      1   0.0 {8}
       -1      2   0.0 {Don^t know}
       -2     16   0.1 {Refused}
       -7     32   0.3 {Not reached-partial/abbrev interview}

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Variable[  7374]:  F4HI99    Income of respondent in 1999
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 13/15   484-489

Section: F4 Income
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 Income of respondent in 1999 from employment
       First, including all of the wages, salaries, and
       commissions you earned in 1999, about how much did you
       earn from employment before taxes and all other deductions?
       ANNUAL EARNINGS ($0.00-$500,000.00):
 Applies to: Respondents who worked in 1999.
 Sources: NELS:88/2000 Full Scale CATI/CAPI
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        0    706   5.8 {zero}
   {cont}  10441  86.0 {1-500000;26628.90/19756.21}
       -1    466   3.8 {Don^t know}
       -2    350   2.9 {Refused}
       -3    146   1.2 {Legitimate skip}
       -7     35   0.3 {Not reached-partial/abbrev interview}
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- -

Respondent Psychological Development

```
Variable[   354]:  BYLOCUS1  LOCUS1  LOCUS OF CONTROL 1
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   414-417

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 BYLOCUS1 was designed to be as comparable as possible with
 HS&B and NLS-72 data. Locus of control items are BYS44B,
 BYS44C, BYS44F, BYS44G, BYS44K, and BYS44M. Three of these
 items are comparable to HS&B and NLS-72 items. They are
 BYS44C, BYS44F, and BYS44G.  Note that while these are
 comparable, they are not always identical.
 Each of the above three items was standardized separately
 to a mean of zero and a standard deviation of 1 using
 BYQWT. All nonmissing components were averaged. Any student
 missing all components was assigned a missing value (8).
 The actual range for BYLOCUS1 is -3.01 through 1.52, from
 low to high control; 99.98 indicates missing.  See the
 NELS:88 First Follow-Up Student Component Data File User's
 Manual for information on this composite.
 NOTE:  This variable was constructed in a previous wave using the
 appropriate statistical weight and sample for that wave.
 Base year, first follow-up, and second follow-up weights
 and full samples for each wave are included in the BY-F2
 ECBs and datafiles.
 /*-----------------------------------------------------------------*/
 /*   Create composite BYLOCUS1 using BYS44A-M.                     */
 /*   Create Base Year Locus of Control and Self Concept variables
 BYLOCUS1, BYLOCU1T, BYLOCUS2, BYLOCU2T, BYCNCPT1, BYCNCP1T,
 BYCNCPT2 and BYCNCP2T using BYS44A-M.
 /*   Recoded variables are created with values in the reverse order
 for "positive" questions so low to high values will reflect same
 dimensions as other questions.  Variables are set to missing if
 not a value 1-4. */
 ARRAY Q44ADEHK BYS44A  BYS44D  BYS44E  BYS44H  BYS44K; /* Original */
 ARRAY R44ADEHK RBYS44A RBYS44D RBYS44E RBYS44H RBYS44K; /* Recoded */
 DO OVER Q44ADEHK;
 IF Q44ADEHK = 1 THEN R44ADEHK = 4;
 ELSE IF Q44ADEHK = 2 THEN R44ADEHK = 3;
 ELSE IF Q44ADEHK = 3 THEN R44ADEHK = 2;
 ELSE IF Q44ADEHK = 4 THEN R44ADEHK = 1;
 ELSE R44ADEHK = .;
 END;
 /*   Recoded variables are created for the remaining questions that
 did not need to be reversed.  Variables are set to missing if
 not a value 1-4. */
 ARRAY Q44REST BYS44B  BYS44C  BYS44F  BYS44G  BYS44I  BYS44J  BYS44L
 BYS44M;
 ARRAY R44REST RBYS44B RBYS44C RBYS44F RBYS44G RBYS44I RBYS44J RBYS44L
 RBYS44M;
 DO OVER Q44REST;
```

```
IF Q44REST >= 1 AND Q44REST <= 4 THEN R44REST = Q44REST;
ELSE R44REST = .;
END;
/*   The following SAS procedure (PROC STANDARD) reads in the new
variables (RBYS44A-M) and creates standardized values
("Z-scores") weighted by BYQWT.  Values for each variable will
have a mean of zero and standard deviation of 1.  */
PROC STANDARD OUT=Q44STAND MEAN=0 STD=1;
WEIGHT BYQWT;
VAR RBYS44A RBYS44B RBYS44C RBYS44D RBYS44E RBYS44F RBYS44G RBYS44H
RBYS44I RBYS44J RBYS44K RBYS44L RBYS44M;
/*   A new file is created with new Concept and Locus variables */
DATA PSYCH (KEEP=STU_ID BYLOCUS1 BYLOCUS2 BYCNCPT1 BYCNCPT2 BYLOCU1T
BYLOCU2T BYCNCP1T BYCNCP2T);
SET Q44STAND;  /* Use data that were output from PROC STANDARD */
/*   For each of the Locus and Concept variables, take the mean of
the selected standardized variables, multiply by 100, then round
to the nearest integer.  If the result is missing, set the
result equal to "9998".  */
BYLOCUS1 = ROUND(MEAN(RBYS44C, RBYS44F, RBYS44G)*100);
IF BYLOCUS1 = . THEN BYLOCUS1 = 9998;
BYLOCUS2 = ROUND(MEAN(RBYS44B,RBYS44C,RBYS44F,RBYS44G,RBYS44K,
RBYS44M)*100);
IF BYLOCUS2 = . THEN BYLOCUS2 = 9998;
BYCNCPT1 = ROUND(MEAN(RBYS44A,RBYS44D,RBYS44E,RBYS44H)*100);
IF BYCNCPT1 = . THEN BYCNCPT1 = 9998;
BYCNCPT2 = ROUND(MEAN(RBYS44A,RBYS44D,RBYS44E,RBYS44H,RBYS44I,
RBYS44J,RBYS44L)*100);
IF BYCNCPT2 = . THEN BYCNCPT2 = 9998;
/*   Tertile variables for Locus and Concept are created based on the
sum of same variables used for the standardized scores.  If the
sum is missing, the tertile variable is set to 8 (missing),
otherwise the one-third break points are used to determine
first, second or third tertile.  */
LOCUS1 = SUM(RBYS44C, RBYS44F, RBYS44G);
IF LOCUS1 = . THEN BYLOCU1T = 8;                          /* Missing */
ELSE IF LOCUS1 <= -0.0143037 THEN BYLOCU1T = 1;     /* 1st tertile */
ELSE IF LOCUS1 <= 0.1039794 THEN BYLOCU1T = 2;      /* 2nd tertile */
ELSE BYLOCU1T = 3;                                  /* 3rd tertile */
LOCUS2 = SUM(RBYS44B,RBYS44C,RBYS44F,RBYS44G,RBYS44K,RBYS44M);
IF LOCUS2 = . THEN BYLOCU2T = 8;                          /* Missing */
ELSE IF LOCUS2 <= -0.105156 THEN BYLOCU2T = 1;      /* 1st tertile */
ELSE IF LOCUS2 <= 0.1328693 THEN BYLOCU2T = 2;      /* 2nd tertile */
ELSE BYLOCU2T = 3;                                  /* 3rd tertile */
CNCPT1 = SUM(RBYS44A, RBYS44D, RBYS44E, RBYS44H);
IF CNCPT1 = . THEN BYCNCP1T = 8;                          /* Missing */
ELSE IF CNCPT1 <= -0.149757 THEN BYCNCP1T = 1;      /* 1st tertile */
ELSE IF CNCPT1 <= 0.1239772 THEN BYCNCP1T = 2;      /* 2nd tertile */
ELSE BYCNCP1T = 3;                                  /* 3rd tertile */
CNCPT2=SUM(RBYS44A,RBYS44D,RBYS44E,RBYS44H,RBYS44I,RBYS44J,RBYS44L);
IF CNCPT2 = . THEN BYCNCP2T = 8;                          /* Missing */
ELSE IF CNCPT2 <= -0.175696 THEN BYCNCP2T = 1;      /* 1st tertile */
ELSE IF CNCPT2 <= 0.1762978 THEN BYCNCP2T = 2;      /* 2nd tertile */
ELSE BYCNCP2T = 3;                                  /* 3rd tertile */
```

```
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
   {cont}  11310  93.1 {-2.67-1.52;.04/.71}
    99.98     74   0.6 {Missing}
    99.99    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   358]:  BYCNCPT1  SELF CONCEPT 1
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   424-427

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 BYCNCPT1 was designed to be as comparable as possible with
 HS&B and NLS-72 data.  Self-concept items are BYS44A,
 BYS44D, BYS44E, BYS44H, BYS44I, BYS44J, and BYS44L. Four of
 these items are comparable to HS&B and NLS-72 items. They
 are BYS44A, BYS44D, BYS44E, and BYS44H. These same four
 items are all reverse scoring items so the values were
 reversed before performing computations.  Note that while
 comparable, they are not always identical.
 Each of the above four items was standardized separately
 to a mean of zero and a standard deviation of 1 using
 BYQWT. All nonmissing components were averaged. Any student
 missing all components was assigned a missing value (8).The
 actual range for BYCNCPT1 is -3.61 through 1.15, from low
 to high esteem; 99.98 indicates missing.  See NELS:88 First
 Follow-Up: Student Component Data File User's Manual for
 information on the construction of this composite.
 NOTE:  This variable was constructed in a previous wave using the
 appropriate statistical weight and sample for that wave.
 Base year, first follow-up, and second follow-up weights
 and full samples for each wave are included in the BY-F2
 ECBs and datafiles.
 /*-------------------------------------------------------------------*/
 /*   Create composite BYCNCPT1 using BYS44A-M.                       */
 /*   Create Base Year Locus of Control and Self Concept variables
 BYLOCUS1, BYLOCU1T, BYLOCUS2, BYLOCU2T, BYCNCPT1, BYCNCP1T,
 BYCNCPT2 and BYCNCP2T using BYS44A-M.
 /*   Recoded variables are created with values in the reverse order
 for "positive" questions so low to high values will reflect same
 dimensions as other questions.  Variables are set to missing if
 not a value 1-4. */
 ARRAY Q44ADEHK BYS44A  BYS44D  BYS44E  BYS44H  BYS44K; /* Original */
 ARRAY R44ADEHK RBYS44A RBYS44D RBYS44E RBYS44H RBYS44K; /* Recoded */
 DO OVER Q44ADEHK;
 IF Q44ADEHK = 1 THEN R44ADEHK = 4;
 ELSE IF Q44ADEHK = 2 THEN R44ADEHK = 3;
 ELSE IF Q44ADEHK = 3 THEN R44ADEHK = 2;
 ELSE IF Q44ADEHK = 4 THEN R44ADEHK = 1;
 ELSE R44ADEHK = .;
 END;
 /*   Recoded variables are created for the remaining questions that
 did not need to be reversed.  Variables are set to missing if
```

```
not a value 1-4. */
ARRAY Q44REST BYS44B  BYS44C  BYS44F  BYS44G  BYS44I  BYS44J  BYS44L
BYS44M;
ARRAY R44REST RBYS44B RBYS44C RBYS44F RBYS44G RBYS44I RBYS44J RBYS44L
RBYS44M;
DO OVER Q44REST;
IF Q44REST >= 1 AND Q44REST <= 4 THEN R44REST = Q44REST;
ELSE R44REST = .;
END;
/*   The following SAS procedure (PROC STANDARD) reads in the new
variables (RBYS44A-M) and creates standardized values
("Z-scores") weighted by BYQWT.  Values for each variable will
have a mean of zero and standard deviation of 1.  */
PROC STANDARD OUT=Q44STAND MEAN=0 STD=1;
WEIGHT BYQWT;
VAR RBYS44A RBYS44B RBYS44C RBYS44D RBYS44E RBYS44F RBYS44G RBYS44H
RBYS44I RBYS44J RBYS44K RBYS44L RBYS44M;
/*   A new file is created with new Concept and Locus variables */
DATA PSYCH (KEEP=STU_ID BYLOCUS1 BYLOCUS2 BYCNCPT1 BYCNCPT2 BYLOCU1T
BYLOCU2T BYCNCP1T BYCNCP2T);
SET Q44STAND;  /* Use data that were output from PROC STANDARD */
/*   For each of the Locus and Concept variables, take the mean of
the selected standardized variables, multiply by 100, then round
to the nearest integer.  If the result is missing, set the
result equal to "9998".  */
BYLOCUS1 = ROUND(MEAN(RBYS44C, RBYS44F, RBYS44G)*100);
IF BYLOCUS1 = . THEN BYLOCUS1 = 9998;
BYLOCUS2 = ROUND(MEAN(RBYS44B,RBYS44C,RBYS44F,RBYS44G,RBYS44K,
RBYS44M)*100);
IF BYLOCUS2 = . THEN BYLOCUS2 = 9998;
BYCNCPT1 = ROUND(MEAN(RBYS44A,RBYS44D,RBYS44E,RBYS44H)*100);
IF BYCNCPT1 = . THEN BYCNCPT1 = 9998;
BYCNCPT2 = ROUND(MEAN(RBYS44A,RBYS44D,RBYS44E,RBYS44H,RBYS44I,
RBYS44J,RBYS44L)*100);
IF BYCNCPT2 = . THEN BYCNCPT2 = 9998;
/*   Tertile variables for Locus and Concept are created based on the
sum of same variables used for the standardized scores.  If the
sum is missing, the tertile variable is set to 8 (missing),
otherwise the one-third break points are used to determine
first, second or third tertile.  */
LOCUS1 = SUM(RBYS44C, RBYS44F, RBYS44G);
IF LOCUS1 = . THEN BYLOCU1T = 8;                          /* Missing */
ELSE IF LOCUS1 <= -0.0143037 THEN BYLOCU1T = 1;     /* 1st tertile */
ELSE IF LOCUS1 <= 0.1039794 THEN BYLOCU1T = 2;      /* 2nd tertile */
ELSE BYLOCU1T = 3;                                  /* 3rd tertile */
LOCUS2 = SUM(RBYS44B,RBYS44C,RBYS44F,RBYS44G,RBYS44K,RBYS44M);
IF LOCUS2 = . THEN BYLOCU2T = 8;                          /* Missing */
ELSE IF LOCUS2 <= -0.105156 THEN BYLOCU2T = 1;      /* 1st tertile */
ELSE IF LOCUS2 <= 0.1328693 THEN BYLOCU2T = 2;      /* 2nd tertile */
ELSE BYLOCU2T = 3;                                  /* 3rd tertile */
CNCPT1 = SUM(RBYS44A, RBYS44D, RBYS44E, RBYS44H);
IF CNCPT1 = . THEN BYCNCP1T = 8;                          /* Missing */
ELSE IF CNCPT1 <= -0.149757 THEN BYCNCP1T = 1;      /* 1st tertile */
ELSE IF CNCPT1 <= 0.1239772 THEN BYCNCP1T = 2;      /* 2nd tertile */
```

```
 ELSE BYCNCP1T = 3;                                    /* 3rd tertile */
 CNCPT2=SUM(RBYS44A,RBYS44D,RBYS44E,RBYS44H,RBYS44I,RBYS44J,RBYS44L);
 IF CNCPT2 = . THEN BYCNCP2T = 8;                          /* Missing */
 ELSE IF CNCPT2 <= -0.175696 THEN BYCNCP2T = 1;       /* 1st tertile */
 ELSE IF CNCPT2 <= 0.1762978 THEN BYCNCP2T = 2;       /* 2nd tertile */
 ELSE BYCNCP2T = 3;                                    /* 3rd tertile */
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
   {cont}  11319  93.2 {-3.45-1.15;.00/.73}
    99.98     65   0.5 {Missing}
    99.99    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[  1783]:  F2LOCUS1  TEEN LOCUS OF CONTROL, VERSION 1
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 3/15   201-204

Section: F2  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 This composite of three locus of control items in the
 second follow-up student and dropout questionnaires is
 designed to be as comparable as possible to HS&B and NLS-72
 data.
 NOTE:  This variable was constructed in a previous wave using the
 appropriate statistical weight and sample for that wave.
 Base year, first follow-up, and second follow-up weights
 and full samples for each wave are included in the BY-F2
 ECBs and datafiles.
 /*-----------------------------------------------------------------*/
 /*   Create composite F2LOCUS1 using F2S66A-M or F2D57A-M.         */
 /*   Create F2 Locus of Control and Self Concept variables
 F2LOCUS1, F2LOCUS2, F2CNCPT1, F2CNCPT2, F2LOCU2Q and F2CNCP2Q
 using F2S66A-M or F2D57A-M. */
 /*   Begin by creating working variables Q66A-M by assigning them the
 values of F2S66A-M if they exist, otherwise assigning them the
 values of F2D57A-M.  */
 IF F2QFLG=1 THEN DO;
 Q66A=F2S66A; Q66B=F2S66B; Q66C=F2S66C; Q66D=F2S66D; Q66E=F2S66E;
 Q66F=F2S66F; Q66G=F2S66G; Q66H=F2S66H; Q66I=F2S66I; Q66J=F2S66J;
 Q66K=F2S66K; Q66L=F2S66L; Q66M=F2S66M;
 END;
 ELSE IF F2QFLG=2 THEN DO;
 Q66A=F2D57A; Q66B=F2D57B; Q66C=F2D57C; Q66D=F2D57D; Q66E=F2D57E;
 Q66F=F2D57F; Q66G=F2D57G; Q66H=F2D57H; Q66I=F2D57I; Q66J=F2D57J;
 Q66K=F2D57K; Q66L=F2D57L; Q66M=F2D57M;
 END;
 /*   Recoded variables are created with values in the reverse order
 for "positive" questions so low to high values will reflect same
 dimensions as other questions.  Variables are set to missing if
 not a value 1-4. */
 ARRAY Q66ADEHK Q66A  Q66D  Q66E  Q66H  Q66K;    /* Original values */
 ARRAY R66ADEHK RQ66A RQ66D RQ66E RQ66H RQ66K;    /* Recoded values */
 DO OVER Q66ADEHK;
 IF Q66ADEHK = 1 THEN R66ADEHK = 4;
```

```
ELSE IF Q66ADEHK = 2 THEN R66ADEHK = 3;
ELSE IF Q66ADEHK = 3 THEN R66ADEHK = 2;
ELSE IF Q66ADEHK = 4 THEN R66ADEHK = 1;
ELSE R66ADEHK = .;
END;
/*   Recoded variables are created for the remaining questions that
did not need to be reversed.  Variables are set to missing if
not a value 1-4. */
ARRAY Q66REST Q66B  Q66C  Q66F  Q66G  Q66I  Q66J  Q66L  Q66M;
ARRAY R66REST RQ66B RQ66C RQ66F RQ66G RQ66I RQ66J RQ66L RQ66M;
DO OVER Q66REST;
IF Q66REST >= 1 AND Q66REST <= 4 THEN R66REST = Q66REST;
ELSE R66REST = .;
END;
/*   The following SAS procedure (PROC STANDARD) reads in the new
variables (RQ66A-M) and creates standardized values
("Z-scores") weighted by F2QWT.  Values for each variable will
have a mean of zero and standard deviation of 1.  */
PROC STANDARD OUT=Q66STAND MEAN=0 STD=1 VARDEF=WEIGHT;
WEIGHT F2QWT;
VAR RQ66A RQ66B RQ66C RQ66D RQ66E RQ66F RQ66G RQ66H RQ66I RQ66J RQ66K
RQ66L RQ66M;
/*   A new file is created with new Concept and Locus variables */
DATA PSYCH (KEEP=STU_ID F2LOCUS1 F2LOCUS2 F2CNCPT1 F2CNCPT2 F2LOCU2Q
F2CNCP2Q LOCUS1 LOCUS2 CNCPT1 CNCPT2 F2QWT);
SET Q66STAND;  /* Use data that were output from PROC STANDARD */
/*   For each of the Locus and Concept variables, take the mean of
the selected standardized variables, multiply by 100, then round
to the nearest integer.  If the result is missing, set the
result equal to "9998".  */
F2LOCUS1 = ROUND(MEAN(RQ66C, RQ66F, RQ66G)*100);
IF F2LOCUS1 = . THEN F2LOCUS1 = 9998;
F2LOCUS2 = ROUND(MEAN(RQ66B,RQ66C,RQ66F,RQ66G,RQ66K,RQ66M)*100);
IF F2LOCUS2 = . THEN F2LOCUS2 = 9998;
F2CNCPT1 = ROUND(MEAN(RQ66A, RQ66D, RQ66E, RQ66H)*100);
IF F2CNCPT1 = . THEN F2CNCPT1 = 9998;
F2CNCPT2 =ROUND(MEAN(RQ66A,RQ66D,RQ66E,RQ66H,RQ66I,RQ66J,RQ66L)*100);
IF F2CNCPT2 = . THEN F2CNCPT2 = 9998;
/*   Set up unrounded means corresponding to locus and concept
variables created above from which to calculate quartile
variables F2LOCU2Q and F2CNCP2Q.  */
LOCUS1 =(MEAN(RQ66C, RQ66F, RQ66G))*100;
LOCUS2 = (MEAN(RQ66B, RQ66C, RQ66F, RQ66G, RQ66K, RQ66M))*100;
CNCPT1 = (MEAN(RQ66A, RQ66D, RQ66E, RQ66H))*100;
CNCPT2 = (MEAN(RQ66A,RQ66D,RQ66E,RQ66H,RQ66I,RQ66J,RQ66L))*100;
/*   If the sum is missing, the quartile variable is set to 8
(missing), otherwise the one-fourth break points are used to
determine quartile value.  */
IF LOCUS2 = . THEN F2LOCU2Q = 8;
ELSE IF LOCUS2 <= -39.51 THEN F2LOCU2Q = 1;
ELSE IF LOCUS2 <= 4.11 THEN F2LOCU2Q = 2;
ELSE IF LOCUS2 <= 46.63 THEN F2LOCU2Q = 3;
ELSE F2LOCU2Q = 4;
IF CNCPT2 = . THEN F2CNCP2Q = 8;
```

```
 ELSE IF CNCPT2 <= -42.35 THEN F2CNCP2Q = 1;
 ELSE IF CNCPT2 <= -3.80 THEN F2CNCP2Q = 2;
 ELSE IF CNCPT2 <= 50.29 THEN F2CNCP2Q = 3;
 ELSE F2CNCP2Q = 4;
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
   {cont}  10907  89.8 {-3.06-1.49;.04/.76}
    99.98   1237  10.2 {Missing}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[  1786]:  F2CNCPT1  TEEN SELF CONCEPT, VERSION 1
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 3/15   210-213

Section: F2  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 This composite of four self-concept items was designed to
 be as comparable as possible to HS&B and NLS-72 data.
 NOTE:  This variable was constructed in a previous wave using the
 appropriate statistical weight and sample for that wave.
 Base year, first follow-up, and second follow-up weights
 and full samples for each wave are included in the BY-F2
 ECBs and datafiles.
 /*-----------------------------------------------------------------*/
 /*   Create composite F2CNCPT1 using F2S66A-M or F2D57A-M.         */
 /*   Create F2 Locus of Control and Self Concept variables
 F2LOCUS1, F2LOCUS2, F2CNCPT1, F2CNCPT2, F2LOCU2Q and F2CNCP2Q
 using F2S66A-M or F2D57A-M. */
 /*   Begin by creating working variables Q66A-M by assigning them the
 values of F2S66A-M if they exist, otherwise assigning them the
 values of F2D57A-M.  */
 IF F2QFLG=1 THEN DO;
 Q66A=F2S66A; Q66B=F2S66B; Q66C=F2S66C; Q66D=F2S66D; Q66E=F2S66E;
 Q66F=F2S66F; Q66G=F2S66G; Q66H=F2S66H; Q66I=F2S66I; Q66J=F2S66J;
 Q66K=F2S66K; Q66L=F2S66L; Q66M=F2S66M;
 END;
 ELSE IF F2QFLG=2 THEN DO;
 Q66A=F2D57A; Q66B=F2D57B; Q66C=F2D57C; Q66D=F2D57D; Q66E=F2D57E;
 Q66F=F2D57F; Q66G=F2D57G; Q66H=F2D57H; Q66I=F2D57I; Q66J=F2D57J;
 Q66K=F2D57K; Q66L=F2D57L; Q66M=F2D57M;
 END;
 /*   Recoded variables are created with values in the reverse order
 for "positive" questions so low to high values will reflect same
 dimensions as other questions.  Variables are set to missing if
 not a value 1-4. */
 ARRAY Q66ADEHK Q66A  Q66D  Q66E  Q66H  Q66K;    /* Original values */
 ARRAY R66ADEHK RQ66A RQ66D RQ66E RQ66H RQ66K;    /* Recoded values */
 DO OVER Q66ADEHK;
 IF Q66ADEHK = 1 THEN R66ADEHK = 4;
 ELSE IF Q66ADEHK = 2 THEN R66ADEHK = 3;
 ELSE IF Q66ADEHK = 3 THEN R66ADEHK = 2;
 ELSE IF Q66ADEHK = 4 THEN R66ADEHK = 1;
 ELSE R66ADEHK = .;
 END;
```

```
/*   Recoded variables are created for the remaining questions that
did not need to be reversed.  Variables are set to missing if
not a value 1-4. */
ARRAY Q66REST Q66B  Q66C  Q66F  Q66G  Q66I  Q66J  Q66L  Q66M;
ARRAY R66REST RQ66B RQ66C RQ66F RQ66G RQ66I RQ66J RQ66L RQ66M;
DO OVER Q66REST;
IF Q66REST >= 1 AND Q66REST <= 4 THEN R66REST = Q66REST;
ELSE R66REST = .;
END;
/*   The following SAS procedure (PROC STANDARD) reads in the new
variables (RQ66A-M) and creates standardized values
("Z-scores") weighted by F2QWT.  Values for each variable will
have a mean of zero and standard deviation of 1.  */
PROC STANDARD OUT=Q66STAND MEAN=0 STD=1 VARDEF=WEIGHT;
WEIGHT F2QWT;
VAR RQ66A RQ66B RQ66C RQ66D RQ66E RQ66F RQ66G RQ66H RQ66I RQ66J RQ66K
RQ66L RQ66M;
/*   A new file is created with new Concept and Locus variables */
DATA PSYCH (KEEP=STU_ID F2LOCUS1 F2LOCUS2 F2CNCPT1 F2CNCPT2 F2LOCU2Q
F2CNCP2Q LOCUS1 LOCUS2 CNCPT1 CNCPT2 F2QWT);
SET Q66STAND;  /* Use data that were output from PROC STANDARD */
/*   For each of the Locus and Concept variables, take the mean of
the selected standardized variables, multiply by 100, then round
to the nearest integer.  If the result is missing, set the
result equal to "9998".  */
F2LOCUS1 = ROUND(MEAN(RQ66C, RQ66F, RQ66G)*100);
IF F2LOCUS1 = . THEN F2LOCUS1 = 9998;
F2LOCUS2 = ROUND(MEAN(RQ66B,RQ66C,RQ66F,RQ66G,RQ66K,RQ66M)*100);
IF F2LOCUS2 = . THEN F2LOCUS2 = 9998;
F2CNCPT1 = ROUND(MEAN(RQ66A, RQ66D, RQ66E, RQ66H)*100);
IF F2CNCPT1 = . THEN F2CNCPT1 = 9998;
F2CNCPT2 =ROUND(MEAN(RQ66A,RQ66D,RQ66E,RQ66H,RQ66I,RQ66J,RQ66L)*100);
IF F2CNCPT2 = . THEN F2CNCPT2 = 9998;
/*   Set up unrounded means corresponding to locus and concept
variables created above from which to calculate quartile
variables F2LOCU2Q and F2CNCP2Q.  */
LOCUS1 =(MEAN(RQ66C, RQ66F, RQ66G))*100;
LOCUS2 = (MEAN(RQ66B, RQ66C, RQ66F, RQ66G, RQ66K, RQ66M))*100;
CNCPT1 = (MEAN(RQ66A, RQ66D, RQ66E, RQ66H))*100;
CNCPT2 = (MEAN(RQ66A,RQ66D,RQ66E,RQ66H,RQ66I,RQ66J,RQ66L))*100;
/*   If the sum is missing, the quartile variable is set to 8
(missing), otherwise the one-fourth break points are used to
determine quartile value.  */
IF LOCUS2 = . THEN F2LOCU2Q = 8;
ELSE IF LOCUS2 <= -39.51 THEN F2LOCU2Q = 1;
ELSE IF LOCUS2 <= 4.11 THEN F2LOCU2Q = 2;
ELSE IF LOCUS2 <= 46.63 THEN F2LOCU2Q = 3;
ELSE F2LOCU2Q = 4;
IF CNCPT2 = . THEN F2CNCP2Q = 8;
ELSE IF CNCPT2 <= -42.35 THEN F2CNCP2Q = 1;
ELSE IF CNCPT2 <= -3.80 THEN F2CNCP2Q = 2;
ELSE IF CNCPT2 <= 50.29 THEN F2CNCP2Q = 3;
ELSE F2CNCP2Q = 4;
Sources: NELS:88/94 public-use ECB
```

```
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
   {cont}  10926  90.0 {-3.68-1.10;-.01/.80}
    99.98   1218  10.0 {Missing}
```

- -

Objectified Cultural Capital in Household

```
Variable[    86]:  BYS35A    R^S FAMILY HAS SPECIFIC PLACE FOR STUDY
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   118-118

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 35.  Which of the following does your family have in your home?
 (MARK ONE EACH)
 BYS35A     A specific place for study
 BYS35B     A daily newspaper
 BYS35C     Regularly received magazine
 BYS35D     An encyclopedia
 BYS35E     An atlas
 BYS35F     A dictionary
 BYS35G     Typewriter
 BYS35H     Computer
 BYS35I     An electric dishwasher
 BYS35J     Clothes dryer
 BYS35K     Washing machine
 BYS35L     Microwave oven
 BYS35M     More than 50 books
 BYS35N     VCR
 BYS35O     Pocket calculator
 BYS35P     A room of your own
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   4452  36.7 HAVE
        2   6601  54.4 DO NOT HAVE
        8    331   2.7 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[    87]:  BYS35B    R^S FAMILY HAS A DAILY NEWSPAPER
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   119-119

Section: BY  STUDENT  PUB
+++ See description for variable: BYS35A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   8239  67.8 HAVE
        2   2906  23.9 DO NOT HAVE
        8    239   2.0 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[    88]:  BYS35C    R^S FAMILY HAS REGULARLY REC^D MAGAZINE
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   120-120

Section: BY  STUDENT  PUB
+++ See description for variable: BYS35A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   8485  69.9 HAVE
        2   2637  21.7 DO NOT HAVE
        6      2   0.0 {MULTIPLE RESPNSE}
        8    260   2.1 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[    89]:  BYS35D    R^S FAMILY HAS AN ENCYCLOPEDIA
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   121-121

Section: BY  STUDENT  PUB
+++ See description for variable: BYS35A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   8974  73.9 HAVE
        2   2166  17.8 DO NOT HAVE
        6      3   0.0 {MULTIPLE RESPNSE}
        8    241   2.0 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[    90]:  BYS35E    R^S FAMILY HAS AN ATLAS
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   122-122

Section: BY  STUDENT  PUB
+++ See description for variable: BYS35A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   7766  63.9 HAVE
        2   3289  27.1 DO NOT HAVE
        6      1   0.0 {MULTIPLE RESPNSE}
        8    328   2.7 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[    91]:  BYS35F    R^S FAMILY HAS A DICTIONARY
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   123-123

Section: BY  STUDENT  PUB
+++ See description for variable: BYS35A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1  10992  90.5 HAVE
        2    222   1.8 DO NOT HAVE
        6      4   0.0 {MULTIPLE RESPNSE}
        8    166   1.4 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[    92]:  BYS35G    R^S FAMILY HAS A TYPEWRITER
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   124-124

Section: BY  STUDENT  PUB
+++ See description for variable: BYS35A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   8243  67.9 HAVE
        2   2869  23.6 DO NOT HAVE
        6      3   0.0 {MULTIPLE RESPNSE}
        8    269   2.2 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[    93]:  BYS35H    R^S FAMILY HAS A COMPUTER
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   125-125

Section: BY  STUDENT  PUB
+++ See description for variable: BYS35A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   4702  38.7 HAVE
        2   6251  51.5 DO NOT HAVE
        6      4   0.0 {MULTIPLE RESPNSE}
        8    427   3.5 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[    98]:  BYS35M    R^S FAMILY HAS MORE THAN 50 BOOKS
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   130-130

Section: BY  STUDENT  PUB
+++ See description for variable: BYS35A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1  10021  82.5 HAVE
        2   1119   9.2 DO NOT HAVE
        6      2   0.0 {MULTIPLE RESPNSE}
        8    242   2.0 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   100]:  BYS35O    R^S FAMILY HAS A POCKET CALCULATOR
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   132-132

Section: BY  STUDENT  PUB
+++ See description for variable: BYS35A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1  10683  88.0 HAVE
        2    498   4.1 DO NOT HAVE
        6      1   0.0 {MULTIPLE RESPNSE}
        8    202   1.7 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

Parental Involvment

```
Variable[   102]:  BYS36A    DISCUSS PROGRAMS AT SCHOOL WITH PARENTS
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   134-134

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 36.  Since the beginning of the school year, how often have you
 discussed the following with either or both of your
 parents/or guardians?  (MARK ONE EACH)
 BYS36A     Selecting courses or programs at school
 BYS36B     School activities or events of particular
 interest to you
 BYS36C     Things you've studied in class
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   1434  11.8 NOT AT ALL
        2   5258  43.3 ONCE OR TWICE
        3   4535  37.3 3 OR MORE TIMES
        8    157   1.3 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   103]:  BYS36B    DISCUSS SCHOOL ACTIVITIES WITH PARENTS
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   135-135

Section: BY  STUDENT  PUB
+++ See description for variable: BYS36A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1    927   7.6 NOT AT ALL
        2   3716  30.6 ONCE OR TWICE
        3   6602  54.4 3 OR MORE TIMES
        6      2   0.0 {MULTIPLE RESPNSE}
        8    137   1.1 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   104]:  BYS36C    DISCUSS THNGS STUDIED IN CLASS WTH PRNTS
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   136-136

Section: BY  STUDENT  PUB
+++ See description for variable: BYS36A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   1182   9.7 NOT AT ALL
        2   4070  33.5 ONCE OR TWICE
        3   5981  49.3 3 OR MORE TIMES
        8    151   1.2 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   105]:  BYS37A    R^S PARENTS ATTENDED A SCHOOL MEETING
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   137-137

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 37.  Since the beginning of this school year, has either of your
 parents or guardians done any of the following?  (MARK ONE
 EACH)
 BYS37A     Attended a school meeting
 BYS37B     Phoned or spoken to your teacher or counselor
 BYS37C     Visited your classes
 BYS37D     Attended a school event such as a play, concert,
 gym exhibit, sports competition, honor ceremony
 or science fair where YOU participated
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   5695  46.9 YES
        2   4153  34.2 NO
        3   1330  11.0 DON^T KNOW
        6      1   0.0 {MULTIPLE RESPNSE}
        8    205   1.7 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   106]:  BYS37B    R^S PARENTS SPOKE TO TEACHER/COUNSELOR
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   138-138

Section: BY  STUDENT  PUB
+++ See description for variable: BYS37A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   6373  52.5 YES
        2   3507  28.9 NO
        3   1329  10.9 DON^T KNOW
        8    175   1.4 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   107]:  BYS37C    R^S PARENTS VISITED R^S CLASSES
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   139-139

Section: BY  STUDENT  PUB
+++ See description for variable: BYS37A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   3168  26.1 YES
        2   7353  60.5 NO
        3    589   4.9 DON^T KNOW
        6      1   0.0 {MULTIPLE RESPNSE}
        8    273   2.2 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   108]:  BYS37D    R^S PARENTS ATTENDED A SCHOOL EVENT
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   140-140

Section: BY  STUDENT  PUB
+++ See description for variable: BYS37A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   7256  59.7 YES
        2   3642  30.0 NO
        3    317   2.6 DON^T KNOW
        6      1   0.0 {MULTIPLE RESPNSE}
        8    168   1.4 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   109]:  BYS38A    HOW OFTEN PARENTS CHECK ON R^S HOMEWORK
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   141-141

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 38.  How often do your parents or guardians do the following?
 (MARK ONE EACH)
 BYS38A     Check on whether you have done your homework
 BYS38B     Require you to do work or chores around the home
 BYS38C     Limit the amount of time you can spend watching TV
 BYS38D     Limit the amount of time for going out with
 friends on school nights
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   4944  40.7 OFTEN
        2   3314  27.3 SOMETIMES
        3   1974  16.3 RARELY
        4   1087   9.0 NEVER
        6      1   0.0 {MULTIPLE RESPNSE}
        8     64   0.5 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   110]:  BYS38B    HOW OFTEN PARENTS REQUIRE CHORES DONE
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   142-142

Section: BY  STUDENT  PUB
+++ See description for variable: BYS38A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   7432  61.2 OFTEN
        2   2734  22.5 SOMETIMES
        3    905   7.5 RARELY
        4    243   2.0 NEVER
        6      5   0.0 {MULTIPLE RESPNSE}
        8     65   0.5 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   111]:  BYS38C    HOW OFTEN PARENTS LIMIT TIME WATCHING TV
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   143-143

Section: BY  STUDENT  PUB
+++ See description for variable: BYS38A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   1661  13.7 OFTEN
        2   2769  22.8 SOMETIMES
        3   2967  24.4 RARELY
        4   3899  32.1 NEVER
        6      1   0.0 {MULTIPLE RESPNSE}
        8     87   0.7 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   112]:  BYS38D    HOW OFTN PRNTS LIMIT GOING OUT WTH FRNDS
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   144-144

Section: BY  STUDENT  PUB
+++ See description for variable: BYS38A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   4787  39.4 OFTEN
        2   3489  28.7 SOMETIMES
        3   1812  14.9 RARELY
        4   1194   9.8 NEVER
        8    102   0.8 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}
```

- -

Educational Aspirations (Respondent & Parents)

Variable[141]: ***BYS45*** HOW FAR IN SCH DO YOU THINK YOU WILL GET
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 1/15 175-176

Section: BY STUDENT PUB
+ +
PART 5 - YOUR PLANS FOR THE FUTURE
45. As things stand now, how far in school do you think you
will get? (MARK ONE)
Sources: NELS:88/94 public-use ECB
% %

Code	Freq	Percent	Label
1	136	1.1	WON^T FINISH H.S
2	1024	8.4	WILL FINISH H.S
3	972	8.0	VOC,TRD,BUS AFTR H.S
4	1467	12.1	WILL ATTEND COLLEGE
5	4848	39.9	WILL FINISH COLLEGE
6	2850	23.5	HIGHER SCH AFTR COLL
98	87	0.7	{MISSING}
99	760	6.3	{Legitimate skip/not in wave}

- -

Variable[144]: ***BYS48A*** HOW FAR IN SCHL R^S FATHER WANTS R TO GO
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 1/15 179-180

Section: BY STUDENT PUB
+ +
48. How far in school do you think your father and your mother
want you to get?
BYS48A Father (or male guardian) (MARK ONE)
BYS48B Mother (or female guardian) (MARK ONE)
Sources: NELS:88/94 public-use ECB
% %

Code	Freq	Percent	Label
1	78	0.6	LESS THAN HIGH SCHL
2	519	4.3	GRADUATE HIGH SCHOOL
3	583	4.8	VOC,TRD,BUS AFTR H.S
4	986	8.1	ATTEND COLLEGE
5	4711	38.8	GRADUATE FRM COLLEGE
6	2750	22.6	HIGHER SCH AFTR COLL
7	908	7.5	DON^T KNOW
98	849	7.0	{MISSING}
99	760	6.3	{Legitimate skip/not in wave}

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   145]:  BYS48B    HOW FAR IN SCHL R^S MOTHER WANTS R TO GO
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   181-182

Section: BY  STUDENT  PUB
+++ See description for variable: BYS48A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1     64   0.5 LESS THAN HIGH SCHL
        2    499   4.1 GRADUATE HIGH SCHOOL
        3    584   4.8 VOC,TRD,BUS AFTR H.S
        4   1010   8.3 ATTEND COLLEGE
        5   4983  41.0 GRADUATE FRM COLLEGE
        6   2852  23.5 HIGHER SCH AFTR COLL
        7    671   5.5 DON^T KNOW
       98    721   5.9 {MISSING}
       99    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[  1364]:  F2S42A    HOW FAR IN SCHOOL FATHER WANTS R TO GO
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 2/15   727-728

Section: F2  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 42.  How far in school do you think your father and your mother
 want you to go?
 F2S42A     Father(or male guardian)
 F2S42B     Mother(or female guardian)
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        0    675   5.6 DOES NOT APPLY
        1     49   0.4 LESS THAN HS
        2    397   3.3 HS ONLY
        3     88   0.7 LESS 2YRS/SCHL
        4    181   1.5 2YRS MORE/SCHL
        5    361   3.0 TRADE SCHL DGREE
        6     77   0.6 LESS 2YRS CLLEGE
        7    693   5.7 MORE 2YRS CLLEGE
        8   3628  29.9 FINISH COLLEGE
        9   1468  12.1 MASTER^S DEGREE
       10   1489  12.3 PH.D.,M.D.,OTHER
       11    838   6.9 DON^T KNOW
       96    488   4.0 {MULT RESPONSE}
       98    382   3.1 {MISSING}
       99   1330  11.0 {Legitimate skip/not in wave}
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[  1365]:  F2S42B    HOW FAR IN SCHOOL MOTHER WANTS R TO GO
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 2/15   729-730

Section: F2  STUDENT  PUB
+++ See description for variable: F2S42A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        0    153   1.3 DOES NOT APPLY
        1     42   0.3 LESS THAN HS
        2    399   3.3 HS ONLY
        3    101   0.8 LESS 2YRS/SCHL
        4    194   1.6 MORE 2YRS/SCHL
        5    387   3.2 TRADE SCHL DGREE
        6    105   0.9 LESS 2YRS CLLEGE
        7    750   6.2 MORE 2YRS CLLEGE
        8   3924  32.3 FINISH COLLEGE
        9   1648  13.6 MASTER^S DEGREE
       10   1608  13.2 PH.D.,M.D.,OTHER
       11    679   5.6 DON^T KNOW
       96    462   3.8 {MULT RESPONSE}
       98    362   3.0 {MISSING}
       99   1330  11.0 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[  1366]:  F2S43     HOW FAR IN SCHOOL R THINKS S/HE WILL GET
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 2/15   731-732

Section: F2  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 43.  As things stand now, how far in school do you think you
 will get?
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1     29   0.2 LESS THAN HS
        2    512   4.2 HS ONLY
        3    173   1.4 LESS 2YRS/SCHL
        4    337   2.8 MORE 2YRS/SCHL
        5    570   4.7 TRADE SCHL DGREE
        6    194   1.6 LESS 2YRS CLLEGE
        7   1181   9.7 MORE 2YRS CLLEGE
        8   3494  28.8 FINISH COLLEGE
        9   1903  15.7 MASTER^S OR EQU
       10   1541  12.7 PH.D.,M.D.,OTHER
       11    541   4.5 DON^T KNOW
       96     41   0.3 {MULT RESPONSE}
       98    298   2.5 {MISSING}
       99   1330  11.0 {Legitimate skip/not in wave}
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   370]:  BYPSEPLN  POST-SECONDARY EDUCATION PLANS
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   451-452

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 BYPSEPLN characterizes the postsecondary school plans of
 the student and was taken directly from BYS45.  The values
 for BYPSEPLN are:
 01 = Won't finish high school
 02 = Will graduate from high school but won't go further
 03 = Will go to vocational, trade, or business school after
 high school
 04 = Will attend college
 05 = Will graduate from college
 06 = Will attend a higher level of school after graduating
 from college
 98 = Missing
 +/*-------------------------------------------------------------------*/
 /*   Create composite BYPSEPLN.  If BYS45 is a value 1-6 then set
 BYPSEPLN equal to BYS45.  Otherwise, set BYPSEPLN equal to
 missing.  */
 IF BYS45 GE 01 AND BYS45 LE 06 THEN BYPSEPLN=BYS45;
 ELSE BYPSEPLN=98;
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1    136   1.1 WON^T FINISH H.S
        2   1024   8.4 WILL FINISH H.S
        3    972   8.0 VOC,TRD,BUS AFTR H.S
        4   1467  12.1 WILL ATTEND COLLEGE
        5   4848  39.9 WILL FINISH COLLEGE
        6   2850  23.5 HIGHER SCH AFTR COLL
       98     87   0.7 {MISSING}
       99    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

Respondent Educational Outcome(s)

```
Variable[   270]:  BYS74     EVER HELD BACK A GRADE IN SCHOOL
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   311-311

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 74.  Were you ever held back (made to repeat) a grade in school?
 (MARK ONE)
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   9158  75.4 NO
        2   1548  12.7 YES
        6      1   0.0 {MULTIPLE RESPNSE}
        8    677   5.6 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[  1876]:  F2N16     HAS R EVER BEEN HELD BACK A GRADE IN SCH
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 3/15   393-393

Section: F2  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 16.  Were you held back (made to repeat) a grade in school?
 NOTE:  This variable has been augmented with data from
 other NELS:88 questionnaires.
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   9483  78.1 NO
        2   1807  14.9 YES, REPEATED
        6      1   0.0 {MULT RESPONSE}
        7      2   0.0 {REFUSED}
        8    686   5.6 {MISSING}
        9    165   1.4 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   374]:  BYGRADS   GRADES COMPOSITE
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   457-458

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 BYGRADS is an average, with all nonmissing elements equally
 weighted, of the self-reports for grades over the four
 subject areas (English, mathematics, science, and social
 studies). The source is student questionnaire item 81. It
 was computed by converting the response categories in
 BYS81A through BYS81D to a five point scale (mostly As = 4,
 Bs = 3, Cs = 2, Ds = 1, mostly below D = .5, else set 8)
 and taking the mean of all nonmissing values of these four
 variables equally weighted. The mean was rounded to one
 decimal place.
```

```
 The range for BYGRADS is 0.5-4.0 with 9.8 indicating
 missing.
 +/*-------------------------------------------------------------------*/
 /*   Create composite BYGRADS by converting subject specific grade
 codes into numeric equivalents and calculating the average.  */
 /*   If original subject grade is a value 1-5, convert to numeric
 equivalent in new variable.  Otherwise, set new variable to
 missing.  */
 /*   Process all variables the same */
 ARRAY ORGGRAD BYS81A BYS81B BYS81C BYS81D;  /*  Original grades */
 ARRAY RCDGRAD ENG_GR MATH_GR SCI_GR SOC_GR; /*  Recoded grades */
 DO OVER ORGGRAD;
 IF ORGGRAD = 01 THEN RCDGRAD = 4;       /* A */
 ELSE IF ORGGRAD = 02 THEN RCDGRAD = 3;  /* B */
 ELSE IF ORGGRAD = 03 THEN RCDGRAD = 2;  /* C */
 ELSE IF ORGGRAD = 04 THEN RCDGRAD = 1;  /* D */
 ELSE IF ORGGRAD = 05 THEN RCDGRAD =.5;  /* Below D */
 ELSE RCDGRAD=.;                         /* Missing */
 END;
 /*   If all subject grades are missing, set BYGRADS to missing.
 Otherwise, set BYGRADS equal to the rounded mean of the four
 grades.  */
 IF ENG_GR=. AND MATH_GR=. AND SCI_GR=. AND SOC_GR=. THEN BYGRADS=98;
 ELSE BYGRADS = ROUND(MEAN(ENG_GR, MATH_GR, SCI_GR, SOC_GR)*10);
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
   {cont}  11288  93.0 {.5-4.0;2.98/.73}
      9.8     96   0.8 {MISSING}
      9.9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   392]:  BY2XCOMP  STNDRDIZED TEST COMPOSITE (READING,MATH)
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   512-515

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 Standardized Test Composite (Reading, Math)
 NOTE:  This test score has been rescaled, and replaces
 versions previously released.  For more information,
 consult Appendix H of the Second Follow-Up: Student
 Component Data File User's Manual.
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
   {cont}  10981  90.4 {30.93-75.81;51.64/10.13}
    99.98      2   0.0 {MISSING}
    99.99    401   3.3 {TEST NOT COMP}
    -9.00    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

Variable[1813]: ***F22XCOMP*** F2 STD TEST COMP (READING, MATH)
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 3/15 289-292

Section: F2 STUDENT PUB
+ +
Second follow-up standardized test composite (reading, math)
NOTE: This test score has been rescaled, and replaces versions previously released. For more information, consult Appendix H of the Second Follow-Up: Student Component Data File User's Manual.
Sources: NELS:88/94 public-use ECB
% %

Code	Freq	Percent	Label
{cont}	9159	75.4	{27.86-71.04;51.40/9.90}
99.98	9	0.1	{MISSING}
99.99	2976	24.5	{TEST NOT COMP}

- -
Variable[7444]: ***F4HSTYPE*** Type of HS diploma received as of 2000
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 15/15 28-29

Section: F4 Derived
+ +
Type of high school diploma received as of 2000.
Derived from the type of high school degree reported in 1993 and type of high school degree received since 1993.
See SAS code located in the "DERIVED" folder on this CD for exact specifications.
Applies to: All respondents.
Sources: NELS:88/2000 derived variable
% %

Code	Freq	Percent	Label
1	10608	87.4	High school diploma
2	826	6.8	GED
3	17	0.1	Certificate of attendance
4	686	5.6	No diploma or equivalent
-9	7	0.1	{Missing}

- -

Variable[7445]: ***F4HHDG*** Highest PSE degree attained as of 2000
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 15/15 30-31

Section: F4 Derived
+ +
Highest PSE degree attained as of 2000. Used the series of degree type variables to determine the highest degree awarded.
NOTE: Respondents who were unable to provide degree types for any of their reported degrees were excluded from these analyses and coded as missing. (In other words, analysts were unable to determine whether the missing degree type was higher than the degrees reported completely.) Thus, the counts of degrees in F4HHDG may vary slightly from the combined individual degrees reported by sample members in F4EDGR1 - F4EDGR6.
See SAS code located in the "DERIVED" folder on this CD for exact specifications.
Applies to: Respondents with PSE experience.
Sources: NELS:88/2000 derived variable
% %

Code	Freq	Percent	Label
1	3594	29.6	Some PSE, no degree attained
2	960	7.9	Certificate/license
3	882	7.3	Associate^s degree
4	3590	29.6	Bachelor^s degree
5	393	3.2	Master^s degree/equivalent
6	77	0.6	Ph.D or a professional degree
-3	2533	20.9	{Legitimate skip}
-9	115	0.9	{Missing}

- -

Respondent Educational Commitment

```
Variable[   371]:  BYHOMEWK  NUMBER OF HRS SPENT ON HOMEWORK PER WEEK
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   453-454

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 BYHOMEWK categorizes the number of hours per week spent
 doing homework as reported by the respondent.  It was
 computed as follows.  First, BYS79A through BYS79E were
 recoded so that:
 None = 0, Less than 1 hour = .5, 1 = 1, 2 = 2, 3 = 3
 4-6 = 5, 7-9 = 8, 10 or more = 10.
 The nonmissing recoded values were then summed across
 subjects and assigned to one of the categories below. If
 any subjects were missing, then BYHOMEWK was set to
 missing.  The values for BYHOMEWK are:
 01 = None                 06 = 10.50 to 12.99
 02 = .50 to 1.99 hours    07 = 13.00 to 20.99
 03 = 2.00 to 2.99         08 = 21.00 or more
 04 = 3.00 to 5.49         98 = Missing
 05 = 5.50 to 10.49
 +/*-------------------------------------------------------------------*/
 /*   Create composite BYHOMEWK by taking subject specific variables
 BYS79A-E and setting each value to its midpoint, adding all
 variables together and coding overall values of BYHOMEWK to
 desired categories.  */
 /*   Process all variables the same */
 ARRAY ORGHW BYS79A BYS79B BYS79C BYS79D BYS79E;
 ARRAY RECHW MATH   SCI    ENG    SOC    OTHER;
 DO OVER ORGHW;
 IF ORGHW = 00 THEN RECHW = 0;      /* None */
 ELSE IF ORGHW = 01 THEN RECHW =.5; /* Less than 1/2 hour */
 ELSE IF ORGHW = 02 THEN RECHW = 1; /* 1 hour */
 ELSE IF ORGHW = 03 THEN RECHW = 2; /* 2 hours */
 ELSE IF ORGHW = 04 THEN RECHW = 3; /* 3 hours */
 ELSE IF ORGHW = 05 THEN RECHW = 5; /* 4-6 hours */
 ELSE IF ORGHW = 06 THEN RECHW = 8; /* 7-9 hours */
 ELSE IF ORGHW = 07 THEN RECHW =10; /* 10 or more hours */
 ELSE RECHW=.;                      /* Missing */
 END;
 /*   If all variables are missing, set HOMEWRK to missing.
 Otherwise, set HOMEWRK equal to the sum of all subject specific
 values.  */
 IF MATH=. AND SCI=. AND ENG=. AND SOC=. AND OTHER=. THEN HOMEWRK=.;
 ELSE HOMEWRK = SUM(MATH,SCI,ENG,SOC,OTHER);
 /*   Code BYHOMEWK based on ranges of HOMEWRK.  */
 IF HOMEWRK = 0 THEN BYHOMEWK=1;                  /* None */
 ELSE IF 0.5 <= HOMEWRK <= 1.5 THEN BYHOMEWK=2;   /* Under 2 hrs */
 ELSE IF 2.0 <= HOMEWRK <= 2.5 THEN BYHOMEWK=3;   /* 2-2.5 hours */
 ELSE IF 3.0 <= HOMEWRK <= 5.0 THEN BYHOMEWK=4;   /* 3-5 hours */
 ELSE IF 5.5 <= HOMEWRK <= 10 THEN BYHOMEWK=5;    /* 5.5-10 hours */
 ELSE IF 10.5 <= HOMEWRK <= 12.5 THEN BYHOMEWK=6; /* 10.5-12.5 hrs */
```

```
 ELSE IF 13.0 <= HOMEWRK <= 20.5 THEN BYHOMEWK=7; /* 13-20.5 hours */
 ELSE IF 21.0 <= HOMEWRK  THEN BYHOMEWK=8;        /* 21 or more hrs */
 ELSE BYHOMEWK=98;                                /* Missing */
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1    274   2.3 NONE
        2    767   6.3 .50 TO 1.99 HOURS
        3   2422  19.9 2.00 TO 2.99 HOURS
        4   3613  29.8 3.00 TO 5.49 HOURS
        5   2061  17.0 5.50 TO 10.49 HOURS
        6    501   4.1 10.50 TO 12.99 HOURS
        7    777   6.4 13.00 TO 20.99 HOURS
        8    332   2.7 21.00 AND UP HOURS
       98    637   5.2 {MISSING}
       99    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[  1367]:  F2S44A    HAS R TAKEN THE PRE-SAT TEST
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 2/15   733-733

Section: F2  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 44.  Have you taken or are you planning to take any of the
 following tests this year?
 F2S44A     Pre-SAT test
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   1764  14.5 NOT THGHT ABOUT
        2   4106  33.8 NO PLANS TO TAKE
        3   4417  36.4 YES ALREADY TOOK
        4    280   2.3 YES PLAN TO TAKE
        6      4   0.0 {MULT RESPONSE}
        7     15   0.1 {REFUSED}
        8    228   1.9 {MISSING}
        9   1330  11.0 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

Variable[1370]: ***F2S44B*** HAS R TAKEN COLLEGE BOARD SAT TEST
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 2/15 738-738

Section: F2 STUDENT PUB
+ +
44. Have you taken or are you planning to take any of the following tests this year?
F2S44AYR Year (Pre-SAT)
F2S44B College Board Scholastic Aptitude Test (SAT)
F2S44BMO Month (SAT)
F2S44BYR Year (SAT)
F2S44C American College Testing (ACT)
F2S44CMO Month (ACT)
F2S44CYR Year (ACT)
F2S44D Advanced Placement (AP) Test
Sources: NELS:88/94 public-use ECB
% %

Code	Freq	Percent	Label
1	1873	15.4	NOT THGHT ABOUT
2	3473	28.6	NO PLANS TO TAKE
3	4402	36.2	YES ALREADY TOOK
4	819	6.7	YES PLAN TO TAKE
6	23	0.2	{MULT RESPONSE}
7	21	0.2	{REFUSED}
8	203	1.7	{MISSING}
9	1330	11.0	{Legitimate skip/not in wave}

- -

Variable[1373]: ***F2S44C*** HAS R TAKEN THE ACT TEST
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 2/15 743-743

Section: F2 STUDENT PUB
+++ See description for variable: F2S44B
% %

Code	Freq	Percent	Label
1	2086	17.2	NOT THGHT ABOUT
2	4098	33.7	NO PLANS TO TAKE
3	3505	28.9	YES ALREADY TOOK
4	840	6.9	YES PLAN TO TAKE
6	23	0.2	{MULT RESPONSE}
7	19	0.2	{REFUSED}
8	243	2.0	{MISSING}
9	1330	11.0	{Legitimate skip/not in wave}

- -

Variable[1376]: ***F2S44D*** HAS R TAKEN ADVANCED PLACEMENT TEST
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 2/15 748-748

Section: F2 STUDENT PUB
+++ See description for variable: F2S44B
% %

Code	Freq	Percent	Label
1	2988	24.6	NOT THGHT ABOUT
2	5512	45.4	NO PLANS TO TAKE
3	699	5.8	YES ALREADY TOOK
4	1237	10.2	YES PLAN TO TAKE
6	74	0.6	{MULT RESPONSE}
7	24	0.2	{REFUSED}
8	280	2.3	{MISSING}
9	1330	11.0	{Legitimate skip/not in wave}

- -

Variable[1379]: ***F2S44E*** HAS R TAKEN THE ASVAB
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 2/15 753-753

Section: F2 STUDENT PUB
+ +
44. Have you taken or are you planning to take any of the following tests this year?
F2S44E Armed Services Vocational Aptitude Battery (ASVAB)
Sources: NELS:88/94 public-use ECB
% %

Code	Freq	Percent	Label
1	2035	16.8	NOT THGHT ABOUT
2	5855	48.2	NO PLANS TO TAKE
3	2422	19.9	YES ALREADY TOOK
4	211	1.7	YES PLAN TO TAKE
6	7	0.1	{MULT RESPONSE}
7	19	0.2	{REFUSED}
8	265	2.2	{MISSING}
9	1330	11.0	{Legitimate skip/not in wave}

- -

Variable[1382]: ***F2S44F*** HAS R TAKEN OTHER ADMISSIONS TEST
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 2/15 758-758

Section: F2 STUDENT PUB
+ +
44. Have you taken or are you planning to take any of the following tests this year?
F2S44EYR Year (ASVAB)
F2S44F Other Admissions Test
Sources: NELS:88/94 public-use ECB
% %

Code	Freq	Percent	Label
1	3880	31.9	NOT THGHT ABOUT
2	5246	43.2	NO PLANS TO TAKE
3	697	5.7	YES ALREADY TOOK
4	576	4.7	YES PLAN TO TAKE
6	4	0.0	{MULT RESPONSE}
7	31	0.3	{REFUSED}
8	380	3.1	{MISSING}
9	1330	11.0	{Legitimate skip/not in wave}

- -

Respondent Attitude towards PSE

Variable[1435]: ***F2S58A*** R TALKED TO TCHR/CNSLR ABOUT FIN AID
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 2/15 814-814

Section: F2 STUDENT PUB
+ +
58. Have you done any of the following to learn about applying for financial aid?
F2S58A Talked with a high school teacher or guidance counselor
F2S58B Talked with a representative from a vocational/technical school or college
F2S58C Talked with a loan officer at a bank
F2S58D Read U.S. Department of Education information on financial aid
F2S58E Read info from a vocational/technical school or college about financial aid
F2S58F Read about financial aid available through military service
F2S58G Talked to a knowledgeable adult
Sources: NELS:88/94 public-use ECB
% %

Code	Freq	Percent	Label
1	5509	45.4	YES
2	4514	37.2	NO
6	3	0.0	{MULT RESPONSE}
8	433	3.6	{MISSING}
9	1685	13.9	{Legitimate skip/not in wave}

- -

Variable[1436]: ***F2S58B*** R TALKED TO SCHOOL REP ABOUT FIN AID
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 2/15 815-815

Section: F2 STUDENT PUB
+++ See description for variable: F2S58A
% %

Code	Freq	Percent	Label
1	3933	32.4	YES
2	6089	50.1	NO
6	1	0.0	{MULT RESPONSE}
8	436	3.6	{MISSING}
9	1685	13.9	{Legitimate skip/not in wave}

- -
Variable[1437]: ***F2S58C*** R TALKED TO LOAN OFFICER ABOUT FIN AID
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 2/15 816-816

Section: F2 STUDENT PUB
+++ See description for variable: F2S58A
% %

Code	Freq	Percent	Label
1	436	3.6	YES
2	9574	78.8	NO
6	1	0.0	{MULT RESPONSE}
8	448	3.7	{MISSING}
9	1685	13.9	{Legitimate skip/not in wave}

- -
Variable[1438]: ***F2S58D*** R READ U.S. DEPT. OF ED INFO ON FIN AID
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 2/15 817-817

Section: F2 STUDENT PUB
+++ See description for variable: F2S58A
% %

Code	Freq	Percent	Label
1	2517	20.7	YES
2	7478	61.6	NO
8	464	3.8	{MISSING}
9	1685	13.9	{Legitimate skip/not in wave}

- -
Variable[1439]: ***F2S58E*** R READ INFO FROM SCHOOL ON FIN AID
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 2/15 818-818

Section: F2 STUDENT PUB
+++ See description for variable: F2S58A
% %

Code	Freq	Percent	Label
1	4568	37.6	YES
2	5432	44.7	NO
8	459	3.8	{MISSING}
9	1685	13.9	{Legitimate skip/not in wave}

- -

```
Variable[  1440]:  F2S58F    R READ ABOUT FIN AID THROUGH MILITARY
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 2/15   819-819

Section: F2  STUDENT  PUB
+++ See description for variable: F2S58A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   1973  16.2 YES
        2   8027  66.1 NO
        6      3   0.0 {MULT RESPONSE}
        8    456   3.8 {MISSING}
        9   1685  13.9 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[  1441]:  F2S58G    R TALKED TO ADULT ABOUT FIN AID
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 2/15   820-820

Section: F2  STUDENT  PUB
+++ See description for variable: F2S58A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   6043  49.8 YES
        2   3958  32.6 NO
        6      5   0.0 {MULT RESPONSE}
        8    453   3.7 {MISSING}
        9   1685  13.9 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

Institutional Support towards PSE

```
Variable[  1431]:  F2S57A    AT HS R REC^D HELP WITH SCHL APPLICATION
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 2/15   810-810

Section: F2  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 57.  At your high school, have you received....
 F2S57A     Help with filling out vocational/technical school
 or college applications?
 F2S57B     Help with filling out financial aid forms?
 F2S57C     Assistance in writing essays for
 vocational/technical school or college
 applications?
 F2S57D     Days off from school to visit
 vocational/technical schools or colleges?
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   4793  39.5 YES
        2   5064  41.7 NO
        3    202   1.7 SCHL DOESNT HAVE
        6      2   0.0 {MULT RESPONSE}
        8    398   3.3 {MISSING}
        9   1685  13.9 {Legitimate skip/not in wave}
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[  1432]:  F2S57B    AT SCHOOL R REC^D HELP WITH FIN AID APP
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 2/15   811-811

Section: F2  STUDENT  PUB
+++ See description for variable: F2S57A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   3793  31.2 YES
        2   6097  50.2 NO
        3    161   1.3 SCHL DOESNT HAVE
        6      1   0.0 {MULT RESPONSE}
        8    407   3.4 {MISSING}
        9   1685  13.9 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[  1433]:  F2S57C    R REC^D HELP W/SCHOOL APPLICATION ESSAYS
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 2/15   812-812

Section: F2  STUDENT  PUB
+++ See description for variable: F2S57A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   3048  25.1 YES
        2   6765  55.7 NO
        3    242   2.0 SCHL DOESNT HAVE
        6      1   0.0 {MULT RESPONSE}
        8    403   3.3 {MISSING}
        9   1685  13.9 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[  1434]:  F2S57D    R REC^D DAYS OFF TO VISIT SCHOOLS
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 2/15   813-813

Section: F2  STUDENT  PUB
+++ See description for variable: F2S57A
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   4159  34.2 YES
        2   5504  45.3 NO
        3    400   3.3 SCHL DOESNT HAVE
        8    396   3.3 {MISSING}
        9   1685  13.9 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

School Demographics

```
Variable[   336]:  G8CTRL     SCHOOL CONTROL COMPOSITE
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   387-387

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 G8CTRL classifies the type of school into public, Catholic,
 other religious, and nonsectarian private schools, as
 reported by the school administrator. The classification
 was collapsed from BYSC4.
 1 = Public school
 2 = Catholic school
 3 = Private school, other religious affiliation
 4 = Private school, no religious affiliation
 NOTE:  This variable was recoded on the public data file by
 NCES in accordance with the confidentiality provisions of
 PL100-297 (1988).
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   9377  77.2 PUBLIC SCHOOL
        2   1105   9.1 CATHOLIC SCHOOL
        3    395   3.3 PRIVATE, OTH RELIG
        4    507   4.2 PRIVATE, NON-RELIG
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   337]:  BYSCENRL  TOTAL SCHOOL ENROLLMENT COMPOSITE
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   388-389

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 BYSCENRL categorizes the entire school enrollment as
 reported by the school. The values were created by
 collapsing the data from BYSC2 into categories. Missing
 data were then imputed from the actual enrollment reported
 on the QED file.  The values for BYSCENRL are:
 01 = 1-199 students
 02 = 200-399
 03 = 400-599
 04 = 600-799
 05 = 800-999
 06 = 1000-1199
 07 = 1200+
 NOTE:  This variable was previously delivered in a
 single-digit format.  It is presented here in a
 double-digit format.
 This variable was recoded on the public and restricted
 data files by NCES in accordance with the confidentiality
 provisions of PL100-297 (1988).
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % %
```

Code	Freq	Percent	Label
1	445	3.7	1-199 STUDENTS
2	2337	19.2	200-399
3	2977	24.5	400-599
4	2449	20.2	600-799
5	1453	12.0	800-999
6	894	7.4	1000-1199
7	829	6.8	1200+
99	760	6.3	{Legitimate skip/not in wave}

- -

Variable[338]: ***G8ENROL*** 8TH GRADE ENROLLMENT COMPOSITE
Module[1]: ECBW\N0P\DATA\BYF4STU.DAT Position: # 1/15 390-391

Section: BY STUDENT PUB

+ +

G8ENROL categorizes the eighth grade enrollment as reported by the school. The values were created by collapsing the data from BYSC3 into categories. Missing data were then imputed from the QED file for eighth grade schools. The values for G8ENROL are:
01 = 1-49 students
02 = 50-99
03 = 100-199
04 = 200-299
05 = 300-399
06 = 400+
NOTE: This variable was previously delivered in a single-digit format. It is presented here in a double-digit format.
This variable was recoded on the public and restricted data files by NCES in accordance with the confidentiality provisions of PL100-297 (1988).
Sources: NELS:88/94 public-use ECB

% %

Code	Freq	Percent	Label
1	1931	15.9	1-49 STUDENTS
2	1807	14.9	50-99
3	2553	21.0	100-199
4	2348	19.3	200-299
5	1513	12.5	300-399
6	1232	10.1	400+
99	760	6.3	{Legitimate skip/not in wave}

- -

```
Variable[   339]:  G8URBAN   URBANICITY COMPOSITE
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   392-392

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 G8URBAN classifies the urbanicity of the student's school.
 It was created directly from QED (Quality Education Data)
 data (position 199-199). The classifications are the
 Federal Information Processing Standards as used by the
 U.S. Census.  Classifications reflect the sample school's
 metropolitan status at the time of the 1980 decennial
 census.  The values for G8URBAN are:
 1 =  Urban -- central city
 2 =  Suburban -- area surrounding a central city
 within a county constituting the MSA
 (Metropolitan Statistical Area)
 3 =  Rural -- outside MSA
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   2843  23.4 URBAN
        2   4962  40.9 SUBURBAN
        3   3579  29.5 RURAL
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   340]:  G8REGON   COMPOSITE GEOGRAPHIC REGION OF SCHOOL
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   393-393

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 G8REGON indicates in which of the four U.S. Census regions
 the school is located. It was created by recoding the
 sampled state of the eighth grade school into the four
 Census Bureau regions. For confidentiality reasons, this
 value was set to missing in rare instances.  The values for
 G8REGON are:
 1 =  Northeast -- New England and Middle Atlantic states
 2 =  North Central -- East North Central and West North
 Central states
 3 =  South -- South Atlantic, East South Central, and West
 South Central states
 4 =  West -- Mountain and Pacific states
 8 =  Missing
 NOTE:  This variable was recoded on the public data file by
 NCES in accordance with the confidentiality provisions of
 PL100-297 (1988).
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        1   2185  18.0 NORTHEAST
        2   3092  25.5 NORTH CENTRAL
        3   3819  31.4 SOUTH
        4   2269  18.7 WEST
```

```
        8     19   0.2 {MISSING}
        9    760   6.3 {Legitimate skip/not in wave}

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Variable[   341]:  G8MINOR   PERCENT MINORITY IN SCHOOL
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   394-396

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 G8MINOR reflects the percentage of minority students in the
 eighth grade reported by the school. It was constructed by
 adding nonreserve code values of BYSC13A-D and categorizing
 the result.  If the school questionnaire was missing or if
 BYSC13A-D was missing, G8MINOR was set to missing.
 000 = None                 006 = 61-90%
 001 = 1-5%                 007 = 91-100%
 002 = 6-10%                998 = Missing
 003 = 11-20%
 004 = 21-40%
 005 = 41-60%
 NOTE:  This variable was previously delivered in a single-digit
 format.  It is presented here in a three-digit format.
 This variable was recoded on the public data file
 by NCES in accordance with the confidentiality
 provisions of PL100-297 (1988).
 /*-----------------------------------------------------------------*/
 /*   Create composite G8MINOR by adding all non-reserve code values
 for variables BYSC13A-D together. */
 G8MINOR = 0;  /* Initialize by setting to zero */
 ARRAY RECODE BYSC13A--BYSC13D;  /* Process all variables the same */
 DO OVER RECODE;
 IF RECODE GE 996 THEN RECODE=.; /* If GE 996, set to missing */
 END;
 /*   If all variables are missing, set to 998 (mis). Otherwise, set
 equal to the sum of BYSC13A-D.  */
 IF BYSC13A = . AND BYSC13B = . AND BYSC13C = . AND BYSC13D = .
 THEN G8MINOR = 998;
 ELSE G8MINOR = SUM(BYSC13A,BYSC13B,BYSC13C,BYSC13D);
 /* Finally, if sum of variables is missing, set G8MINOR to missing.*/
 IF G8MINOR = . THEN G8MINOR = 998;
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        0   1579  13.0 NONE
        1   2778  22.9 1-5
        2   1287  10.6 6-10
        3   1541  12.7 11-20
        4   1484  12.2 21-40
        5    928   7.6 41-60
        6    909   7.5 61-90
        7    648   5.3 91-100
      998    230   1.9 {MISSING}
      999    760   6.3 {Legitimate skip/not in wave}
```

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Variable[   342]:  G8LUNCH   PERCENT FREE LUNCH IN SCHOOL
Module[ 1]:  ECBW\N0P\DATA\BYF4STU.DAT  Position: # 1/15   397-399

Section: BY  STUDENT  PUB
    + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
 G8LUNCH categorizes the percentage of free or reduced price
 lunch at the school calculated from the school
 questionnaire. It was constructed by dividing BYSC16A by
 BYSC2, multiplying by 100, rounding to the nearest whole
 number and coding the result. If the school questionnaire
 was missing or if BYSC16A was missing, G8LUNCH was set to
 missing.  The value for G8LUNCH are:
 000 = None                005 = 31-50%
 001 = 1-5%                006 = 51-75%
 002 = 6-10%               007 = 76-100%
 003 = 11-20%              998 = Missing
 004 = 21-30%
 NOTE:  This variable was previously delivered in a single-digit
 format.  It is presented here in a three-digit format.
 This variable was recoded on the public data file
 by NCES in accordance with the confidentiality
 provisions of PL100-297 (1988).
 /*-----------------------------------------------------------------*/
 /*   Create composite G8LUNCH.  If BYSC2 is not missing and not a
 value between 9996 and 9999, and BYSC16A is not missing and not
 a value between 9996 and 9999, then create G8LUNCH by rounding
 off the quotient of 100*BYSC16A divided by BYSC2.  Otherwise,
 set G8LUNCH equal to missing.  */
 IF BYSC2 NE . AND ^(9996 <= BYSC2 <= 9999) AND
 BYSC16A NE . AND ^(9996 <= BYSC16A <= 9999)
 THEN G8LUNCH = ROUND((BYSC16A / BYSC2) * 100,1);
 ELSE G8LUNCH = 998;
 Sources: NELS:88/94 public-use ECB
    % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %
     Code  Freq Percent    Label
        0   1699  14.0 NONE
        1   1563  12.9 1-5
        2   1208   9.9 6-10
        3   1922  15.8 11-20
        4   1581  13.0 21-30
        5   1789  14.7 31-50
        6    991   8.2 51-75
        7    431   3.5 76-100
      998    200   1.6 {MISSING}
      999    760   6.3 {Legitimate skip/not in wave}

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```