

```

/*Create libref*/
libname H "H:\BSHE532\project";

/*Create temporary data set named: PROJECT*/
data project;
    set h.nsch_2018_topical;

/*      DATA MANAGEMENT CODING - DOCUMENTATION      */

/*Delete all observations where K6Q60_R = . */
/*If there is no independent variable measures, delete*/
if K6Q60_R < 1 then delete;

/*****/
/*      HIGHEST LEVEL OF EDUCATION VARIABLE: */
/*      HIGRADE_TVIS - Highest Level of Education among Reported Adults
    1 = Less than high school
    2 = High school (including vocational, trade, or business school)
    3 = Some college or Associate Degree
    4 = College degree or higher */

/*Recode so all variables start with 0      */
/*Create new var to avoid overwriting */
/*Descending order: Less than HS is the REF*/
if HIGRADE_TVIS = 1 then HIGRADE_ADU = 3; /*Less than high school*/
if HIGRADE_TVIS = 2 then HIGRADE_ADU = 2; /*High school (including vocational)*/
if HIGRADE_TVIS = 3 then HIGRADE_ADU = 1; /*Some college or Associate Degree*/
if HIGRADE_TVIS = 4 then HIGRADE_ADU = 0; /*College Degree or Higher*/

/*****/
/*FAMILY RESILIENCE COMPOSITE & COMPONENTS:
/*      STRENGTHS - Facing Problems - How Often Draw on Strengths
    When your family faces problems, how often are you likely to do each of the following?
    Know we have strengths to draw on:
    1 = All of the time
    2 = Most of the time
    3 = Some of the time
    4 = None of the time

/*Recode so all variables start with 0      */
if STRENGTHS in (1) then STRENGTHS = 0; /*1 = All of the time*/
if STRENGTHS in (2) then STRENGTHS = 1; /*2 = Most of the time*/
if STRENGTHS in (3) then STRENGTHS = 2; /*3 = Some of the time*/
if STRENGTHS in (4) then STRENGTHS = 3; /*4 = None of the time

HOPEFUL - Facing Problems - How Often Stay Hopeful
When your family faces problems, how often are you likely to do each of the following?
Stay hopeful even in difficult times:
1 = All of the time
2 = Most of the time

```

3 = Some of the time  
4 = None of the time

```
/*Recode so all variables start with 0          */
if HOPEFUL in (1) then HOPEFUL = 0;             /*1 = All of the time*/
if HOPEFUL in (2) then HOPEFUL = 1;             /*2 = Most of the time*/
if HOPEFUL in (3) then HOPEFUL = 2;             /*3 = Some of the time*/
if HOPEFUL in (4) then HOPEFUL = 3;             /*4 = None of the time
```

#### WKTOSOLVE - Facing Problems - How Often Work Together

When your family faces problems, how often are you likely to do each of the following?

Work together to solve our problems:

1 = All of the time  
2 = Most of the time  
3 = Some of the time  
4 = None of the time

```
/*Recode so all variables start with 0          */
if WKTOSOLVE in (1) then WKTOSOLVE = 0;         /*1 = All of the time*/
if WKTOSOLVE in (2) then WKTOSOLVE = 1;         /*2 = Most of the time*/
if WKTOSOLVE in (3) then WKTOSOLVE = 2;         /*3 = Some of the time*/
if WKTOSOLVE in (4) then WKTOSOLVE = 3;         /*4 = None of the time
```

#### TALKABOUT - Facing Problems - How Often Talk Together

When your family faces problems, how often are you likely to do each of the following?

Talk together about what to do:

1 = All of the time  
2 = Most of the time  
3 = Some of the time  
4 = None of the time

```
/*Recode so all variables start with 0          */
if TALKABOUT in (1) then TALKABOUT = 0;       /*1 = All of the time*/
if TALKABOUT in (2) then TALKABOUT = 1;       /*2 = Most of the time*/
if TALKABOUT in (3) then TALKABOUT = 2;       /*3 = Some of the time*/
if TALKABOUT in (4) then TALKABOUT = 3;       /*4 = None of the time*/
```

/\*Create new variable\*/

FAM\_RES = STRENGTHS + HOPEFUL + WKTOSOLVE + TALKABOUT;

```
if STRENGTHS = . then FAM_RES = .;
if HOPEFUL = . then FAM_RES = .;
if WKTOSOLVE = . then FAM_RES = .;
if TALKABOUT = . then FAM_RES = .;
```

/\*\*\*\*\*\*

/\* DAYS CHILD READ TO VARIABLE: \*/

/\* K6Q60\_R - How Many Days Read to Child

DURING THE PAST WEEK, how many days did you or other family members read to this child?

1 = 0 days

2 = 1-3 days  
3 = 4-6 days  
4 = Every day \*/

```
/*Recode so all variables start with 0 */
/*Create new var to avoid overwriting */
/*Descending order: 0 DAYS is the REF*/
if K6Q60_R in (1) then READTO = 3; /*0 Days*/
if K6Q60_R in (2) then READTO = 2; /*1-3 Days*/
if K6Q60_R in (3) then READTO = 1; /*4-6 Days*/
if K6Q60_R in (4) then READTO = 0; /*Every day*/
```

/\*\*\*\*\*\*

/\* CHILD CARE VARIABLE: \*/

/\* K6Q20 - Receive Care From Others at Least 10 Hours Per Week (T1)

Does this child receive care for at least 10 hours per week from someone other than his or her  
parent  
or guardian? (This could be a day-care center, preschool, Head Start program, family child care  
home, nanny, au pair,  
babysitter or relative).

1 = Yes

2 = No \*/

```
/*Recode so all variables start with 0*/
if K6Q20 in (2) then K6Q20 = 0; /*No*/
if K6Q20 in (1) then K6Q20 = 1; /*Yes*/
```

/\*\*\*\*\*\*

/\*FINANCIAL HARDSHIP VARIABLE(S):\*/

/\* ACE1 - Hard to Cover Basics Like Food or Housing

SINCE THIS CHILD WAS BORN, how often has it been very hard to cover the basics, like food or  
housing, on your family's income?

1 = Never

2 = Rarely

3 = Somewhat often

4 = Very often

```
/*Recode so all variables start with 0 */
if ACE1 in (1) then ACE1 = 0; /*Never*/
if ACE1 in (2) then ACE1 = 1; /*Rarely*/
if ACE1 in (3) then ACE1 = 2; /*Somewhat often*/
if ACE1 in (4) then ACE1 = 3; /*Very often*/
```

/\* ACES POVERTY: YES/NO [OPTION]: \*/

/\* 0: NO FINANCIAL HARDSHIP, 1: FINANCIAL HARDSHIP \*/

```
if ACE1 in ('M') then ACE_POV = .; /*. = No valid response*/
if ACE1 in (1,2,3) then ACE_POV = 1; /*1 = Rarely, Somewhat Often, Vary Often */
if ACE1 in (0) then ACE_POV = 0; /*2 = Never */
```

/\*\*\*\*\*\*

/\*Adult 1: Descriptives

A1\_AGE - Adult 1 - Age in Years

What is your age?

[18-75 or older]

A1\_SEX - Adult 1 - Sex

What is your sex?

1 = Male

2 = Female

A1\_MARITAL - Adult 1 - Marital Status

What is your marital status?

1 = Married

2 = Not married, but living with a partner

3 = Never Married

4 = Divorced

5 = Separated

6 = Widowed \*/

if A1\_MARITAL in (1,2) then A1\_MARITAL = 1;

if A1\_MARITAL in (3,4,5,6) then A1\_MARITAL = 0; /\*

A1\_RELATION - Adult 1 - How Related to Child

How are you related to this child?

1 = Biological or Adoptive Parent

2 = Step-parent

3 = Grandparent

4 = Foster Parent

6 = Other: Relative

7 = Other: Non-Relative \*/

if A1\_RELATION in (1) then A1\_RELATION = 0; /\*Biological or Adoptive Parent\*/

if A1\_RELATION in (3,6) then A1\_RELATION = 1; /\*Grandparent or Other: Relative\*/

if A1\_RELATION in (2,4,7) then A1\_RELATION = 2; /\*Step-Parent, Foster Parent, Other: Non-Relative\*/

/\*

/\*\*\*\*\*\*

run;

/\*Run a contents on the temporary dataset\*/

proc contents data = project;

run;

/\*Population descriptives\*/

proc surveyfreq data = project;

strata stratum fipsst;

cluster hhid;

weight fwc;

table

```

        A1_SEX
        A1_RELATION
        A1_MARITAL;
run;

proc univariate data = project;
    var A1_AGE;
run;

/*Run frequency data on categorical variables: Composite elements, independent, vulnerable population*/
proc surveyfreq data = project;
    strata stratum fipsst;
    cluster hhid;
    weight fwc;
    table
        STRENGTHS
        HOPEFUL
        WKTOSOLVE
        TALKABOUT
        READTO
        HIGRADE_ADU;
run;

/*Run univariate data on composite variable: Family Resilience*/
proc univariate data = project;
    var FAM_RES;
run;

/*Run frequency data on categorical variables: child care, financial hardship*/
proc surveyfreq data = project;
    strata stratum fipsst;
    cluster hhid;
    weight fwc;
    table
        K6Q20
        ACE_POV;
run;

/*Proc surveymeans on the independent, dependent, and vulnerable population variables*/
proc surveymeans data = project;
    strata stratum fipsst;
    cluster hhid;
    weight fwc;
    var    READTO
           FAM_RES
           HIGRADE_ADU;
run;

/*Run means data on continuous variable: Outcome/Dependent*/
/*Highest education level as subgroup*/

```

```
proc surveymeans data = project;
    strata stratum fipsst;
    cluster hhid;
    weight fwc;
    domain HIGRADE_ADU;
    var FAM_RES;
```

```
run;
```

```
/*Run freq data on continuous variable: Outcome/Dependent*/
```

```
/*Highest education level as subgroup*/
```

```
proc surveyfreq data = project;
    strata stratum fipsst;
    cluster hhid;
    weight fwc;
    table HIGRADE_ADU*FAM_RES / row cl;
```

```
run;
```

```
/*Maximal model*/
```

```
proc surveyreg data = project;
    strata stratum fipsst;
    cluster hhid;
    weight fwc;
    class READTO ACE_POV K6Q20 HIGRADE_ADU;
    model FAM_RES = READTO HIGRADE_ADU READTO*HIGRADE_ADU ACE_POV K6Q20 /solution;
```

```
run;
```

```
/*Non-significant interaction model*/
```

```
proc surveyreg data = project;
    strata stratum fipsst;
    cluster hhid;
    weight fwc;
    class READTO K6Q20 HIGRADE_ADU;
    model FAM_RES = READTO HIGRADE_ADU K6Q20 ACE_POV /solution CLPARM;
```

```
run;
```