

```

*****
* Program:  C:\NHANES\.sas                                     *
* Proposal:                                                                 *
*****;
LIBNAME NH "C:\NHANES\DATA";
OPTIONS NODATE NOCENTER;
options ls=72;

proc format;

  VALUE sexfmt  1 = 'Male'
                2 = 'Female'
                ;

  VALUE racefmt  1 = 'NH White'
                 2 = 'NH Black'
                 3 = 'Mexican American'
                 4 = 'Other'
                 ;

  VALUE agefmt
        1 = '20-39'
        2 = '40-59'
        3 = '60+'
        ;

run;
data ANALYSIS_DATA;
set NH.ANALYSIS_DATA;

if ridstatr = 2;  ***examined  ;

age = .;
if 20 LE ridageyr LE 39 then age=1;
if 40 LE ridageyr LE 59 then age=2;
if ridageyr GE 60 then age=3;

race=.;
if ridreth1=3 then race=1;
if ridreth1=4 then race=2;
if ridreth1=1 then race=3;
if ridreth1=2 or ridreth1=5 then race=4;

LABEL
  age = 'AGE GROUP'
  race = 'Race Ethnicity'
  riagendr = 'Gender'
  ;

RUN;

```

```
proc sort; by riagendr age;
run;

PROC UNIVARIATE NOPRINT;

where ridageyr >= 20;

by riagendr age;

VAR lbxtc;

freq wtmecl4yr;

FORMAT age AGEFMT. riagendr SEXFMT. race RACEFMT. ;

output out=sasdataset mean=mean q1=p_25 median=median q3=p_75;

proc print data=sasdataset;
title "Distribution of cholesterol: NHANES 1999-2002";
run;
```