Activity #3
"Descriptive Statistics"

This activity familiarizes participants with Stata's descriptive statistics and graphing functions. It utilizes an excerpt of the 2014 Omnibus survey (SESRI_Omnibus_2014_excerpt3.dta).

1. Launch Stata

2. Create a log file
   log using <filename.log> or use drop-down menu

3. Open SESRI_Ominbus_2014_excerpt3.dta
   use <filename> or use drop-down menu

4. Open Data Browser

5. Inspect the data

6. Close Data Browser

7. Tabulate the values of *traffic_pen* and *drivers_comit* (unweighted)
   tab <varname>

8. Calculate summary statistics of *traffic_pen* and *drivers_comit* (unweighted)
   summarize <varname>

9. Graph *traffic_pen* and *drivers_comit* (unweighted)
   histogram <varname>

10. Customize your graph using Graph Editor

11. Create a scatterplot of *drivers_comit* and *age* (unweighted)
    scatter <varname1 vname2>

12. Tabulate *traffic_pen* and *drivers_comit* (weighted)
    svyset [pweight=wgt]
    svy: tab <varname>
    or
    tab<varname> [aweight=wgt]

13. Summarize weighted variables *traffic_pen* and *drivers_comit*
    tab<varname> [aweight=wgt]

14. Graph weighted variables
scatter <varname1 varname2> [aweight=wgt]

15. Repeat 8 and 11 for expats [*household*==0] and Qataris [*household*==1]
sum <varname> if household==0
sum <varname> if household==1

sort household
by household: sum <varname>

sum <varname> [aweight=wgt] if household==0
sum <varname> [aweight=wgt] if household==1

sort household
by household: sum <varname>

16. Close log file
log close