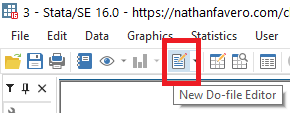
Class Survey Lab – PUAD 601

**Tasks**

1. Open up the do-file editor (see below) and save the new do-file somewhere on your computer.



1. Type the following at the top of your do-file:

clear all

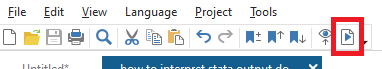
capture log close

1. Use the cd command to set the working directory on the next line of your do-file. If you want, you can first set the working directory through the menu (File > Change working directory…) and then copy-paste into your do-file from the output on the main Stata window
2. Add the following text to your do-file:

log using lab6.txt, replace text

use class\_survey.dta

1. In the do-file editor, press the execute button, and then go look at the output in the mane Stata window



1. Recode any variables you need to recode for your term project. For example:

recode issue (1 3/8 = 0) (2 = 1), gen(taxes)

tab issue taxes

recode race (2/5 = 0) (1 = 1), gen(white)

gen govtrust2 = 6 - govtrust

1. Get descriptive statistics and conduct any bivariate analyses for your term paper. For example:

sum govtrust2

tab white

tab taxes

tab white taxes, chi2 row

ttest govtrust2, by(white)

1. Create corresponding graphs where possible for your term paper. For example:

graph box govtrust2, over(white)

1. Close the log at the end of your do-file:

log close

1. Copy your key results (either from your do-file or the Stata output window), and then paste into Word. You can take a screenshot or use a fixed-width font in Word (e.g., Courier New) for proper formatting.
2. Upload your log file (lab6.txt) **and** your do-file **and** your Word doc to Blackboard as Lab 6.

**Stata commands from prior weeks**

**Set working directory**: cd "*[directory]*"

**Open a Stata file**: use "*[file\_name]*"

**Clear dataset so you can read in another dataset**: clear

**Start log file (*if you get an error when you run this, try ending log file first*)**:

log using "*[file\_name]*", replace text

**End log file**: log close

**Create a new variable**: gen *[new\_variable\_name]* = *[expression]*

* Example: gen age = 2019 - birth

**Recode a variable:** recode *[old\_variable]* ( *[old value(s)]* = *[new value]* ) ( *[old value(s)]* = *[new value]* ), gen( *[new\_variable\_name]* )

* Example: recode race (2/5 = 0) (1 = 1), gen(white)
* See details on syntax here: <http://wlm.userweb.mwn.de/Stata/wstatrec.htm>

**Histogram**: hist *[variable]*

**Boxplot**: graph box *[variable]*

**Stripplot**: stripplot *[variable]*, jitter(5)

* The first time you run this, you’ll need to install the package: findit stripplot

**Frequency table**: tab *[variable]*

* If you want to also show missing values: tab *[variable]*, missing

**Summary statistics for continuous variables (including percentiles)**: sum *[variable(s)]*, detail

**Associations with tests for statistical significance**

1 quant. & 1 qual. variable: oneway *[quant. variable] [qual. variable]*, tab

* Example: oneway usps race, tab
* Alternative if qual. var. is binary: ttest usps, by(healthcare)
* Graph: graph box usps , over( race )

2 quant. variables: pwcorr *[variables]*, sig

* Example: pwcorr govtrust usps, sig
* Alternative (need to install the package: findit pr0041\_2): corrci govtrust usps
* Graph: twoway scatter govtrust usps

2 qual. variables: tab *[variables]* , row chi2

* Example: tab healthcare govtrust, row chi2
* Graph: graph bar, over( healthcare ) by( govtrust )