

Getting started with Stata 2017: Lecture to do list

September 4, 2017

During the lecture we will together make a do-file that does the following:

1. Start a do-file
 - (a) Declare version
 - (b) Change directory
 - (c) Open log
2. Import data
3. Label and rename data
4. Browse data and check for duplicates
5. Describe and summarize data
6. Get rid of zero (here: missing values) for variables *gdp* and *mobile*
7. Replace zero values in variable *life_exp* with the mean of *life_exp*
8. Create a dummy variable called *largepop* that is equal to one if the population of the country is larger than average and zero otherwise
9. Generate a variable for GDP per capita named *gdp_cap*
10. Test the hypotheses $H_0: gdp_growth=0$ versus $H_1: gdp_growth \neq 0$
11. What is the pairwise correlation between *gdp_cap* and *area*?
12. Create correlation matrix for variables *gdp_cap*, *mobile*, *gdp_growth* and *life_exp*
13. Make scatter plot of *gdp_cap* and *mobile*
 - (a) Label *x* and *y* axis
 - (b) Save the graph
14. Make a histogram of *mobile*
15. Make a histogram of *life_exp* and save the graph
16. Estimate the linear model $gdp_cap = \beta_0 + \beta_1 \cdot mobile + \beta_2 \cdot area$
 - (a) Store the results
17. Estimate the linear model $gdp_cap = \beta_0 + \beta_1 \cdot mobile + \beta_2 \cdot life_exp$.
 - (a) Store the results
18. Create a nice table with the results from both estimations
 - (a) Ask for help
 - (b) Make the table
19. Save dataset
20. Close log and create a PDF of log