

STATA

Flavia Coda Moscarola

Syllabus

This short-course introduces to the use of STATA. STATA is a statistical package for the analysis of big data sets. The course illustrates the basic commands and tools to upload, organize and modify data and run simple statistical and econometric analyses.

Topics of the course:

1. Introduction: How to upload, transform and save datasets
 - Do files, Log files
 - Load data
 - Save data
 - Merge data sets
 - Append data sets
 - Reshape data from wide to long and vice-versa
 - Collapse data sets
 - Generate new variables
 - Macros and Loops
2. How to run descriptive statistics and create graphics
 - Summarize data and generate tables
 - Draw histograms and other simple two-way graphs
3. The estimation of a linear regression model
 - Run linear regressions and interpret regression outputs
 - Predict values
 - Storage of results and printable output
 - Tests
4. An empirical analysis: how to apply techniques learned to answer research questions