

Introduction to Stata

Syllabus

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Course description

Stata is a general-purpose statistical software package and is one of the main statistical packages used in the social sciences. At UK Stata is taught at the graduate level in political science, sociology, economics, public policy, and a number of other departments.

Introduction to Stata is a short, two-hour course intended for students with limited or no previous experience with Stata. The course focuses on simple data analysis such as reading files, combining and modifying data, and statistical analysis. After taking this course, students will be able to do basic data analysis using Stata for their classes and research projects.

Topics to be covered

- Background, advantages, and disadvantages of Stata
- Using help
- Data files
- Programs
- Data editor
- Log files
- Importing and exporting
- Summarizing and analyzing data
- Modifying data sets
- Collapsing and merging data
- Macros
- Statistical analysis
- Graphing

References

- <http://www.ats.ucla.edu/stat/stata/>
- Hamilton, Lawrence. "Statistics with STATA: version 12" 8th Edition. Stata Press, 2012
- Acock, Allan C. "A Gentle Introduction to Stata." 3rd ed., Stata Press, 2010.
- Long, Scott. "The Workflow of Data Analysis Using Stata" Stata Press 2008