

SYLLABUS: INTRODUCTION TO STATA

Simon Lange

Room: Oec 2.108

simon.lange@wiwi.uni-goettingen.de

Steffen Lohmann

Room: MZG 8.150

steffen.lohmann@wiwi.uni-goettingen.de

Course Description

During this one-week course students will obtain the necessary skills to be able to work and conduct their own empirical analyses with the statistical software STATA. This will be a good basis for the writing of an empirical seminar paper, a Bachelor or Master thesis.

The course will cover basic commands, data management, graphs, data manipulation, descriptive statistics, and regression analysis (see preliminary outline below). If time allows, more advanced topics such as the analysis of survey data and basic programming in STATA may be covered as well.

Target Audience

The course is suitable for advanced BA (at least 3rd semester) and all MA students, who have no or at most limited knowledge of STATA. Students are expected to be familiar with main ideas in statistics and econometrics (i.e. OLS regression). The course will be taught in English.

Certificate:

In order to obtain a certificate, students are required to complete a small project on which they can work on the last day of the course. It is not possible to obtain credits.

Registration

Students can register for the course via StudIP. Slots are allocated on a first-come-first-serve basis. The registration period starts on September 1st at noon (12pm). The course is limited to at most 50 students.

Schedule

Monday	20 October, 2014	10am – 5pm
Tuesday	21 October, 2014	1pm – 6pm
Wednesday	22 October, 2014	10am – 2pm
Thursday	23 October, 2014	9am – 12pm & 2pm – 5pm
Friday	24 October, 2014	10am – 5pm

Room: MZG 6.111 (computer pool)



Preliminary Outline

- Monday
 - 'Talking' to STATA
 - Getting help
 - Basic syntax: commands and operators
 - Loading and examining data
 - Variables and data types
- Tuesday
 - Workflow: building an analysis dataset from raw data
 - Using Do-Files
 - Combining different datasets
 - Typical consistency checks
 - Analyzing data using graphs and tables I
- Wednesday
 - Analyzing data using graphs and tables II
 - Basics of STATA programming: using loops and locals/globals, return lists
- Thursday
 - Analyzing data using regressions
 - Exporting tables and regression results to other software
 - Analyzing survey data: clustering, stratification, and weights
- Friday
 - Empirical project