UNIVERSITÄT HEIDELBERG

ALFRED-WEBER-INSTITUT

PROF. DR. AXEL DREHER

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Summer Semester 2022

Introduction to Stata for Empirical Analysis in Economics

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Course Contents

This block course offers an introduction to the statistical software Stata for students intending to write an empirical seminar paper, Bachelor or Master thesis. Stata is one of the most widely used statistic software for economists, but is also used in biomedicine and political science. It is commonly used in academia, but also in several institutes and the private sector. Having a good command of Stata is thus of great value for aspiring economists. Throughout the course, you will learn about the planning, organization and implementation of empirical analyses with Stata. After this course, you will know how to use Stata to prepare and clean datasets, execute regressions and present results in a compelling way. The course will be offered at two different dates in order to allow as many students as possible to participate. **The course will be entirely taught in English. Knowledge of German is not required.**

Provisional Syllabus:

1. Introduction to Stata; planning and organization of empirical analysis
2. Structure of a do file
3. Examining and editing data
4. Preparing datasets
5. Descriptive statistics and graphics
6. Linear regressions and analysis

Throughout these chapters, you will get an understanding of the programming syntax used in Stata and know how to use loops, local and global macros efficiently. The last chapters will also include a small introduction on how to generate output tables and regression results that you can easily export to LaTeX or Excel.

Course Schedule (15 students each, Course I and Course II have the same content)

Course I:

Monday, April 25th, 2022
9:00am-7:00pm (AWI Room PC Pool II)

OR

Course II:

Monday, May 2nd, 2022
9:00am-7:00pm (AWI Room PC Pool II)

Registration

Via e-mail to charlotte.robert@awi.uni-heidelberg.de **before April 20th**. Please include the following information in your registration email: name, student number, and, if applicable, topic of your thesis. You can also mention any topics you would like to be covered in the course. The number of participants is limited and places will be granted by order of registration.

Organization

Please note that participation in this course does not grant any credit points. A participation certificate will be issued. Make sure before the beginning of the course that you have a URZ student account that allows you to use the computers of the university and access to Moodle. You can alternatively bring a laptop with Stata (ideally version 16 or later) installed on it.

Literature

Kohler, Ulrich und Kreuter, Frauke (2008), *Datenanalyse mit Stata*, Oldenbourg Wissensch.Vlg.

Cameron, A. Colin und Trivedi, Pravin K. (2010), *Microeconometrics using Stata*, Revised Edition, Stata Press.

Wooldridge, Jeffrey M. (2002), *Econometric Analysis of Cross Section and Panel Data*, The MIT Press, Cambridge, Massachusetts.

Wooldridge, Jeffrey M. (2009), *Introductory Econometrics: A Modern Approach*, 4. ed., South-Western, Mason, Ohio.