



# UNIVERSITÄT HEIDELBERG

ALFRED-WEBER-INSTITUT

PROF. DR. AXEL DREHER

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## Summer Semester 2018

### Introduction to Stata for Bachelor and Master Theses

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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 the standard statistic software for economists. It is not only employed in sciences, but also in several institutes and companies, therefore its good command is of substantial scientific and professional value. Throughout the course, you will learn about the planning, organization and implementation of empirical analyses with Stata. It introduces the systematic preparation of data sets, execution of regressions and efficient presentation of results. The course will be offered at two different dates in order to allow the participation of as many students as possible.

## **Provisional Syllabus:**

1. Introduction to Stata; planning and organization of empirical papers
2. Structure of a do file
3. Examination and editing of data
4. Preparation of data sets
5. Descriptive statistics and graphics
6. Linear regressions and diagnoses

It will be also covered within these topics how to make use of loops, local and global macros. Topics 5 and 6 also include the generation of output tables to exhibit regression results.

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

### Course I:

Thursday, May 10<sup>th</sup>, 2018  
9:00am-7:00pm (AWI Room PC Pool II)

OR

### Course II:

Friday, May 11<sup>th</sup>, 2018  
9:00am-7:00pm (AWI Room PC Pool II)

## **Registration**

Via Email to [katharina.richert@awi.uni-heidelberg.de](mailto:katharina.richert@awi.uni-heidelberg.de). Please send the following information together with your registration email: name, matriculation number, and, if applicable, topic of your thesis. You can in addition mention any topics you would like to be covered in the course. The number of participants is limited and the places will be given according to order of the 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 utilize the computers of the university. You can alternatively bring a laptop with Stata 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.