



## Wintersemester 2018/2019

Hauptseminar (MA)

### Politikwissenschaftliche Methoden III

#### Introduction to Statistics for Political and Social Sciences

Time: Wednesday, 10.00-12.00  
Room: RZ/00.05  
Start Date: 17 October 2018  
Registration in FlexNow!: 01 Oct 2018 – 22 Oct 2018 (Deregistration until 29 Oct 2018)  
Lecturer: Daniel Höhmann, M.A.

#### Short Course Outline

This course is an introduction to statistics in empirical political research and introduces the basic methods of data analysis using the statistical package Stata. It is designed as a refresher course for master students with little statistical training during their Bachelor degree.

The course mainly covers descriptive statistics, probability distributions, statistical inference, correlation, and bivariate and multiple regression. At the end of the seminar, more advanced regression techniques (logistic regression and panel regression) are briefly introduced. Besides, there are two sessions where we will learn how to perform basic statistical analysis with the software package Stata.

#### Requirements and Grading

The course is designed for beginners and no prior statistical (or computing) knowledge is required. However, the course covers many topics in a relatively short period of time. This requires intensive work by students.

To obtain a final grade, students have to accomplish the following tasks:

- Reading and understanding the required texts for each session
- Three Problem Sets
- Term paper

#### Basic Readings

Agresti, Alan and Barbara Finlay (2008). *Statistical Methods for the Social Sciences*. 4<sup>th</sup> Edition. Upper Saddle River: Prentice Hall.

Kellstedt, Paul & Guy Whitten (2013). *The Fundamentals of Political Science Research*, 2<sup>nd</sup> ed. Cambridge, UK: Cambridge University Press.

Kohler, Ulrich and Frauke Kreuter (2012). *Data Analysis Using Stata*. Third Edition. College Station, Texas: Stata Press.