



## Wintersemester 2019/2020

Hauptseminar (MA)

### Politikwissenschaftliche Methoden III

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

Time: Compact course (Blockseminar). Dates and time t.b.a  
Room: RZ/00.05 or Online Teaching  
Start Date: 22 April 2020  
Registration in FlexNow!: 01 April 2020 – 19 April 2020 (Deregistration until 30 April 2020)  
Lecturer: Daniel Höhmann, M.A.

#### Attention

**This seminar is taught as a compact course (Blockseminar). The seminar will take place at the end of July. Due to the dynamic situation regarding the Covid-19 pandemic, exact dates have not been fixed, yet. Currently, there are two options: (1) If the university will be open again until the end of July, the seminar will be taught on sight in the Rechenzentrum. (2) If the current restrictions are still in place in July, the seminar will be taught online. All further information will be available on the course homepage on the VC. I will also upload a recorded presentation of the first session on April 22, 2020. Please register for this course in FlexNow until April 19, 2020. You will then receive an e-mail with the password for the VC.**

#### 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**

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

Weelan, Charles (2013). *Naked Statistics. Stripping the Dread from the Data*. New York: W.W. Norton.

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