



Wintersemester 2019/2020

Hauptseminar (MA)

Politikwissenschaftliche Methoden III

Introduction to Statistics for Political and Social Sciences

Time: Wednesday, 10.00-12.00
Room: RZ/00.07
Start Date:
Registration in FlexNow!: 01 Oct 2019 – 22 Oct 2019 (Deregistration until 31 Oct 2019)
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

Kellstedt, Paul & Guy Whitten (2013). *The Fundamentals of Political Science Research*, 2nd 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.