

Course: Empirical Labor Economics with Stata (Bachelor-level)

Lecturer: Dr. Mario Bossler (mario.bossler@gmail.com)

Semester: Summer 2023

Organization: the course will be taught in the lab on a weekly basis, first date is 18 April 2023

Room and time: weekly on Tuesdays, 14:15-15:45 in CIP-Pool I (R 409)

Course language: English

Module:

- Wirtschaftswissenschaft (ab PO 2021): Platzhalter „Arbeit & Gesellschaft“ mit 5 ECTS
- Wirtschaftswissenschaft (vor PO 2021): Platzhalter „Ausgewählte Probleme der VWL“ mit 5 ECTS
- Wirtschaftsinformatik: Platzhalter „Ausgewählte Probleme der VWL“ mit 5 ECTS
- Wirtschaftsmathematik: Platzhalter „Ausgewählte Probleme der Wirtschaftswissenschaft“ mit 5 ECTS

The aim of the course *Empirical Labor Economics* is to enable participants...

- to collect and prepare data for empirical analyses,
- to conduct their own empirical analyses on current issues in labor economics,
- to critically analyze data and interpret results,
- and to present them in a scientific form.

The main focus of the course is on the most common micro econometric methods that are used in empirical labor market research (but also in other applied fields of economics). For each topic, an introduction to the statistical methods to be used, in particular their adequate application and interpretation. These methods are then applied to an exemplary research question. The application is done on the basis of a micro dataset together with the students who are introduced to the statistical package *Stata*.

Contents:

1. Introduction to *Stata*
2. Introduction to empirical research: How to carry out an empirical project?
3. Multiple regression
4. Matching
5. Instrumental Variables
6. Panel data methods

Grading:

Short assignments allow students to conduct their own empirical analyses.

Final grade: Final exam of 60 minutes.