Prof. V. Steiner / A. Pape
Professur für Empirische Wirtschaftsforschung und Wirtschaftspolitik

Introduction to Microeconometrics (SS 2021)

The course teaches students to understand and apply basic microeconometric methods. Knowledge of statistical concepts at the level of the BA courses „Statistik für Wirtschaftswissenschaftler“ and “Schließende Statistik” is assumed. Starting from the linear regression model as applied to cross-section and panel data, we will cover the most important microeconometric methods and models including practical applications using the statistical software package STATA (access for individual use from home will be provided). Lectures and tutorials will be given in English. All teaching will take place online and all materials will be provided on blackboard. There will also be a blackboard discussion forum.

Lecturers:
Prof. Steiner (Lectures)
Astrid Pape (Tutorial, astrid.pape@fu-berlin.de

Lectures:
Weekly powerpoint presentations, weekly Webex meetings to ask questions

Tutorial:
Weekly problem sets with video and written solutions, weekly Webex meetings to ask questions

Grading:
Final exam (2 hours, 120 points), may be answered in German or English, a pocket calculator permitted

Contents:

- *The linear regression model and the analysis of cross-section data:* OLS estimation, inference and prediction; heteroscedasticity, endogeneity, instrumental variables, 2SLS.
- *Regression models for panel data*: pooled cross-section, fixed and random effects estimators, difference-in-differences policy evaluation.
- *Discrete-choice models*: Maximum likelihood estimation; binary logit and probit models, multinomial/conditional logit models
- *Limited-dependent variable models*: tobit and selection models.

Literature:

Jeffrey M. Wooldridge (2016), Introductory Econometrics. A Modern Approach, 6 ed., Cengage Learning (relevant chapters provided via blackboard).