

Introduction to Microeconometrics
(Einführung in die Mikroökometrie)
(SS 2018, 2 SWS VL + 2 SWS UE)

The course teaches students to understand and apply basic microeconomic 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 microeconomic methods and models applied to the analysis of individual behavior, including practical applications using the statistical software package STATA. Lectures and classes will be given in English.

- Time:** Tuesday 14:15 – 15.45 (VL), starting date: 17th April
 Wednesday 14.15 – 14.45 (Ü), starting date: 18th April
- Venue:** Lectures HS 108, Garystr. 21
 Classes: HS 101/PC Pool 1, Garystr. 21
- Grading:** Final exam (2 hours)
- Lecturers/Classes:** Prof. Steiner (VL)
 Benjamin Fischer (Benjamin.Fischer@fu-berlin.de) (Ü)

Contents:

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

Literature:

- Jeffrey M. Wooldridge (2016), *Introductory Econometrics. A Modern Approach*, 6 ed., Cengage Learning (main book; several copies of older editions are available in the library).
- R. Carter Hill, William E. Griffiths, Guay C. Lim (2010), *Principles of Econometrics*, 4 ed., Wiley (alternative to Wooldridge, more formulas).
- Marno Verbeek (2012), *A Guide to Modern Econometrics*, 3 ed., Wiley (more formal, master level text).

Lecture slides will be made available at the course blackboard. Text books are not required for the course but recommended for background reading.