

Introduction to Microeconometrics
(Einführung in die Mikroökonomie)
(SS 2015, 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 course „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 10.15 – 11.45 (VL), starting date: 19th April
 Wednesday 10.15 – 11.45 (Ü), starting date: 27th April
- Venue:** Lecture K 005 Seminarraum UG, Garystr. 21 (VL),
 K 006a PC Pool 1 (Ü)
- Grading:** Final exam (2 hours)
- Lecturers/Classes:** Prof. Steiner (VL) / Robin Jessen (Ü)

Contents:

1. *The linear regression model and the analysis of cross-section data:* linear regression; heteroskedasticity; functional form and dummy variables.
2. *Endogeneity and consistent estimation:* instrumental variables and 2SLS estimation.
3. *Regression models for panel data:* pooled cross-section, fixed and random effects estimators.
4. *Binary-choice models:* logit and probit models.
5. *Multinomial-choice models:* multinomial/conditional logit models; ordered probit model.
6. *Limited-dependent variable models:* tobit and selection models; treatment-effects estimation.

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 (good alternative to Wooldridge, more formulas).
- A. Colin Cameron, Pravin. K. Trivedi (2010), *Microeconometrics using STATA*, rev. ed., Stata Press.
- Marno Verbeek (2012), *A Guide to Modern Econometrics*, 3 ed., Wiley (more formal, for further reading).