

## APPLIED MICROECONOMETRICS

### Organization

**Lectures:** Prof. Steiner

**Classes:** Kai-Uwe Müller ([kmuller@diw.de](mailto:kmuller@diw.de)) – **first part**

Davud Rostam-Afschar ([davud.rostam-afschar@fu-berlin.de](mailto:davud.rostam-afschar@fu-berlin.de)) – **second part**

**Dates:** Weekly, Tuesday, 15.15 – 17.45; 3 hours lectures, followed by 2 hours classes and 1 hour lecture the following week

*Starting date:* 16 October (3 hours lectures)

**Venue:** FU Berlin, Garystr. 21, 14195 Berlin-Dahlem, HS 104.

### Aim and contents of the course

The aim of applied microeconometrics is to analyze individual behavior on the basis of micro data (cross-section and panel data) of individuals, households, and firms. The standard linear regression model is generally not applicable to micro data due to the non-metric measurement and censoring of dependent variables at the individual level, selectivity and incomplete observability of endogenous variables, and the dependence of individual observations over time. The empirical methods most frequently applied in empirical microeconomics are surveyed and several applications in empirical microeconomics are presented. Students learn how to apply these methods using real-world microdata and the software package STATA.

### Requirements and grading

The course is appropriate for MA and PhD students specializing in empirical microeconomics with some basic knowledge in econometrics. This course is mandatory for the **Master in Public Economics** program under the new StO and counts as elective course (Wahlfach) for the **Master in Economics** program, for which it can also be substituted for the course “Microeconometrics” under the old StO. It also counts as elective course in the **BDPEMS**. Grading will be based on the **final exam** which may be written in English or German. For BDPEMS students, an empirical research paper on some topic appropriate for this course is also required.

### Text books

M. Verbeek, A Guide to Modern Econometrics (4 ed.), Wiley, 2012.

W. H. Greene, Econometric Analysis (7 ed.), Pearson, 2012, Chapters 11 and 17-19.

A. C. Cameron and P. K. Trivedi, Microeconometrics. Methods and Applications, Cambridge University Press, 2005

J. M. Wooldridge, Econometric Analysis of Cross Section and Panel Data, MIT Press, 2 ed. 2010

**Lecture slides and selected journal articles** on empirical applications will be made available at the course blackboard.