

Short Course: Issues of the analysis of Socio-Economic Panel Surveys

Lecturer

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Prof. Rendtel teaches Applied Statistics at the Economic Department of the Freie Universität Berlin. He worked for 9 years in the German Socio-Economic Panel (SOEP) project, a household panel survey started in 1984. He collaborated with Statistics Finland in an evaluation project of the Finnish subsample of the European Community Household Panel (ECHP) and EU-SILC. His recent research is on nonresponse and calibration in panel surveys.

Type

Advanced studies. The orientation is applied.

The course is intended to fit to studies in quantitative methods for post-graduate (doctoral) students in social and behavioral sciences and economics. The course also can be taken as advanced studies in statistics for students in statistics and mathematics.

Lectures and PC training

Lectures are given at the Dept of Statistics, Computer Science, Application of the Univ. of Firenze:

Tuesday 28.11.17 at 14.30-16

Room 32

Course contents

- General issues of the analysis of data from panel surveys
- Treatment of nonresponse:
 - Panel attrition treated by Pattern Mixture models
 - Initial nonresponse and its stability in panel surveys:
 - A useful contraction theorem from Markov Chain Theory
 - The speed of the Fade-away effect
 - Extensions to longitudinal profiles
 - PASS (Panel on Labor Market and Social Security): Transitions between social benefit states
 - ECHP and EU-SILC: Transitions between income quintiles
 - True change or Fade-away of an initial nonresponse bias?
 - The Fade-away effect in regression analysis
- Measurement issues:
 - Measurement of change: Latent Markov Models for changes between poverty states
 - Measurement of duration: The identification of heaping effect for duration of unemployment