PhD Course

Causal Inference in Statistics, Social, and Biomedical Sciences and Economics

Block course: September 2016 (4 days), September 20th – September 23rd

Time: 9am – 5pm, room 2079

Course instructor: Professor Martin Spindler (UHH)

Course value: 2 SWS or 4 LP

Course overview:
The main goal of this course is to give an introduction to statistical methods for causal research with applications to Economics and Business Administration. PhD students working empirically are invited to attend the class. Every participant is expected to give a short presentation and/or to hand in a paper. Details will follow. It is highly welcome if you present own papers/ideas (if they fit to the topics) or present empirical applications which are of interest for your research. Proposals are appreciated.

Topics to be covered and further reading (preliminary)
1. Rubin Causal Framework

2. Instrumental Variable Estimation I
   - And discussion in this issue of Statistical Science

3. Instrumental Variable Estimation II
4. Regression Discontinuity

5. Matching and Propensity Score

6. Difference-in-Differences

General literature:

Location: tba
Teaching language: English
Student evaluation: paper presentation
Application: by email to spindler@mea.mpisoc.mpg.de until July 31st