



**UNIVERSITÀ
DI TRENTO**
Dipartimento di
Sociologia e Ricerca Sociale



HANS SCHADEE
Research Methods Center



MODERN CAUSAL ANALYSIS

Causal inference based on non-experimental data

5-6 May 9.00-17.00 – Meeting Room I floor

Instructor:

Prof. Michael Gebel - *University of Bamberg*

The workshop will cover the following topics:

- Causal hypotheses, counterfactual model of causality, causal graphs (DAGs)
- A new look at regression analysis from the perspective of modern causal analysis: selection of control variables, model building, and regression adjustment
- Propensity score matching, alternative matching approaches and inverse probability weighting
- Instrumental variable (IV) estimators: classical IV estimator, conditional IV estimator, modern LATE interpretation
- Difference-of-differences (DID) estimator: before-after estimator, DID with individual and aggregate data; DID combined with matching

The methods are practiced using the statistical program Stata

[SUBSCRIPTION TO THE FOLLOWING WEB PAGE](#)