

## Statistical methods for policy evaluation and causal inference

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3 ECTS

SECS-S/01

Spring semester

Programme in English:

This course intends to provide a basic knowledge on methods for the impact evaluation of policies and programs. The main econometric methods used in impact analyses (Randomized Trials, PS Matching, Instrumental Variables, Regression Discontinuity Designs, Difference-in-Differences) are introduced and described. The course also contains practical modules that use data and real examples to show the computational application of some of the methods presented.

The exam will consist in a written and oral test.

Requirements: Statistical Data Analysis I

Books:

Gertler, P.; Martinez, S.; Premand, P.; Rawlings, L.; Vermeersch, C. (2016). *Impact Evaluation in Practice*, Second Edition. Washington, DC: World Bank