



Applied Economics of Education Summer 2021

Lehrstuhl für VWL, insb.
Empirische Mikroökonomik

Dr. Anica Kramer

Tel. +49 (0) 951 / 863 2808

<http://www.uni-bamberg.de/vwl-mikro/>

Voraussichtlich wird die Lehrveranstaltung überwiegend online durchgeführt werden. Sobald sich die Möglichkeit ergibt, möchten wir aber Hybrid-Veranstaltungen anbieten. Studierende, die an der Veranstaltung teilnehmen wollen, werden daher gebeten, sich für den Zugang zum VC-Kurs sowie für weitere Informationen zu Form und technischer Durchführung der Veranstaltung **bis zum 11.04.2021 per E-Mail** an Dr. Anica Kramer (anica.kramer@uni-bamberg.de) zu wenden.

Lecture:	Mo., 14:00-16:00, online; Start: April 12, 2021, lecturer: Dr. Anica Kramer
Stata - Tutorial:	Wed., 10.00-12.00 online; Start: April 14, 2021, instructor: Daniela Araujo
Participants:	European Economic Studies (EES): Master's Program Stata-Tutorial is open, if capacity is available, for students of other programs (Bachelor and Master).
Course Language:	English
Requirements:	“Empirische Mikroökonomik” (BAEES4.5)
Assignment:	One-hour written exam (maybe subject to chance due to the Corona-Pandemic)
ECTS:	6 ECTS points

Brief description

This course introduces into the empirical methods that are typically applied in order to identify causal effects rather than correlation only. Identifying causal effects is of great interest and importance (e.g. in terms of policy evaluation), but also challenging. Against this background, this course deals with the methods approaching these challenges; covering:

- Panel data techniques
- Instrumental-Variable (IV) approach
- Regression-Discontinuity (RD) approach
- Differences-In-Differences (DID) approach

A further purpose of the course is to make students familiar with the literature that has applied these methods to questions in the field of education economics.

In accompanying tutorials students will work with the statistic software Stata. Tutorials are not mandatory, but highly recommended to attend, and



will focus on the following: i) how to read and critically reflect an empirical paper, ii) how to implement the mentioned methods using Stata and iii) how to replicate published articles. Pre-experience with Stata is desirable, but not mandatory and the tutorials will start with a brief introduction. This “Crash Course” may not be sufficient. Therefore, students are encouraged and asked to take own initiative in filling potential gaps. However, support material will be announced during class, “free classes” are offered in order to solve problems in smaller groups and students are always welcome to make appointments during office hours. See Syllabus “Stata – Advanced Course” for details, the course instructor will be Daniela Araujo.

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Basic Reading list:

Verbeek, Marno (2012): *A Guide to Modern Econometrics*. 4th edition. Chichester: John Wiley.

Cameron, Colin A. und Pravin K. Trivedi (2005): *Microeconometrics. Methods and Applications*. Cambridge: Cambridge University Press [selected chapters]

Angrist, J.D., and J.S. Pischke (2009), *Mostly Harmless Econometrics*, Princeton University Press.

Further literature will be announced in class.
