

## Case Studies in Labor Economics

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for Master Students

### CONTENT

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The course focuses on current issues in labor economics with a special focus on the use of modern econometrics to solve the fundamental evaluation problem. It will combine lecture style and case studies on various labor economics topics. This course will focus on education issues and the labor market.

- Topics covered are:
- Modern approach to Econometrics
  - Fundamental evaluation problem
  - Potential outcome approach
  - Methods: OLS, IV, Matching, RCT, BAE, DiD, RDD
  - Labor Market and Education

### LECTURE

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<b>Time &amp; Location:</b>	- 8 June 2018	3 pm – 6 pm, room 1132
	- 9 June 2018	10 am – 1 pm, room 1132
	- 22 June 2018	3 pm – 6 pm, room 2330
	- 23 June 2018	10 am – 1 pm, room 2330
	- 6 July 2018	3 pm – 6 pm, room 2330
	- 7 July 2018	10 am – 1 pm, room 2330
	- 13 July 2018	3 pm – 6 pm, room 2330

### EXAMINATION MODALITIES

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<b>Credit points</b>	4 ECTS
<b>Examination:</b>	Final Exam
<b>Area of Study</b>	<u>M.Sc. Economics:</u>
	E&P: Elective Courses
	<u>VWL-Master, PO 2011:</u>
	Wahlpflichtbereich: Volkswirtschaftspolitik / Makropolitik Quantitative Methoden
	<u>VWL-Master, PO 2014:</u>
	Spezialisierungsbereich: Empirical Economics Labor, Human Resource Management & Organization

## LITERATURE

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### Main references:

Angrist, J.D., & Pischke, J. (2015): Mastering 'Metrics, The Path from Cause to Effect, Princeton University Press.

Athey, S., & Imbens, G.W. (2017). The State of Applied Econometrics: Causality and Policy Evaluation, Journal of Economic Perspectives, Vol. 31, 3-32.

Boeri, T., & Van Ours, J. (2013). The economics of imperfect labor markets. 2nd edition. Princeton University Press.

Cahuc, P., Carcillo, S. & Zylberberg, A. (2014). Labor Economics. 2nd edition. MIT Press Books.

8 and 9 June 2018

### Mincer equation in action: OLS, IV, ATT, LATE, standard deviation

Angrist, J.D., & Pischke, J. (2015): Mastering 'Metrics, The Path from Cause to Effect, Princeton University Press.

Angrist, J. D., & Pischke, J. (2017). Undergraduate Econometrics Instruction: Through our Classes, Darkly, Journal of Economic Perspectives, Vol. 31, 125-144.

Baert, S. et al. (2018): Smartphone Use and Academic Performance: Correlation or Causal Relationship? IZA Discussion Paper No. 11455.

22 and 23 June 2018

### Comparison of identification strategies: OLS, IV, Matching, RDD and RCT, BAE and DiD

Angrist, J.D., & Pischke, J. (2015): Mastering 'Metrics, The Path from Cause to Effect, Princeton University Press.

Hille, A., & Schupp, J. (2014): How Learning a Musical Instrument affects the Development of Skills, Economics of Education Review, 44, 56-82.

Imbens, G.W. (2015): Matching Methods in Practice: Three Examples, Journal of Human Resources, 50, No. 2, 373-419.

Winterhager, H., & Heinze, A., & Spermann, A. (2006): Deregulating Job Placement in Europe: A Microeconomic Evaluation of an Innovative Voucher Scheme in Germany", Labour Economics, 13, 505-517.

6 and 7 July 2018

**Education: Do better teachers help? – ITT, clustered standard errors**

Chetty, R., Friedman, J. N., & Rockoff, J. E. (2014). Measuring the Impacts of Teachers I: Evaluating Bias in Teacher Value-Added Estimates. *The American Economic Review*, 104(9), 2593-2632.

Chetty, R., Friedman, J. N., & Rockoff, J. E. (2014). Measuring the Impacts of Teachers II: Teacher Value-Added and Student Outcomes in Adulthood. *The American Economic Review*, 104(9), 2633-2679.

Fryer, R. G. (2014). Injecting charter school best practices into traditional public schools: Evidence from field experiments, *The Quarterly Journal of Economics*, 1355-1407.

13 July 2018

**Wrap-up and exam preparation**