New Directions in Causal Inference

Ryan T. Moore1*

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1 Course Information

New Directions in Causal Inference
DYNAMICS Research Group
15 July - 17 July 2024
Monday-Friday 10:00-15:00 CEST (UTC+02:00)
Luisenstraße 56, Raum 220

2 Instructor Information

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3 Course Description

4 Intellectual Property

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5 Calendar

5.1 Day 1: Monday, 15 July

- 13:00-15:00: Introductions. Content.
- 15:00-16:00: Break
- 16:00-18:00: Lab

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5.2 Day 2: Tuesday, 16 July

- 10:00-12:00: Sensitivity analysis.
- 12:00-13:00: Break
- 13:00-15:00: Lab

Rosenbaum

Keele (2022)

Imai, Keele, and Yamamoto (2010)

5.3 Day 3: Wednesday, 17 July

- 10:00-12:00: Modern difference-in-difference designs.
- 12:00-13:00: Break
- 13:00-15:00: Lab

Hernán and Robins (2024)

Callaway and Sant'Anna (2021)

References

Callaway, Brantly, and Pedro H. C. Sant'Anna. 2021. "Difference-in-Differences with Multiple Time Periods." *Journal of Econometrics* 225 (2): 200–230.

Hernán, Miguel A., and James M. Robins. 2024. *Causal Inference: What If.* Boca Raton: Chapman & Hall/CRC.

Imai, Kosuke, Luke Keele, and Teppei Yamamoto. 2010. "Identification, Inference, and Sensitivity Analysis for Causal Mediation Effects." *Statistical Science* 25 (1): 51–71.

Keele, Luke J. 2022. *rbounds: Perform Rosenbaum Bounds Sensitivity Tests for Matched and Unmatched Data.* https://CRAN.R-project.org/package=rbounds.