

Matching Methods

28 april

Outline

1. Review matching
2. Instrumental Variables
3. Regression discontinuity designs

Let's review!

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2. Why do we do it?

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2. Why do we do it?
3. How do we know when our data our sufficiently matched?

How do we know when units are sufficiently matched?

- Common covariate support
- Covariate (mean) balance
- Identical covariate distributions

Aside: Exact matching

- In exact matching we do not need to check balance
- All variables that we match on are, by definition, balanced

Matching vs. Experiments

- Why can we make causal inferences from experiments?

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- Why can we make causal inferences from experiments?
- Does matching satisfy that requirement?

Questions?