

Lecture 13: Midterm Reviews

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Midterm Feedback



Midterm

- Time: noon to 1:15pm, Thursday, 3/7
- Location: Sever 103 or anywhere
- We will email out exams at 11:50am.
- Submit on Gradescope.
- In case of technical difficulty, late submission allowed until 1:25pm.
- Semi closed book book for conceptual questions and coding tasks.

Causal Inference

Review assumptions:

- Identifying assumption for matching (interpretation)
- Parallel trend for DID (memorize and interpretation)
- Why do we need IV?

OLS and Lasso

- Memorize loss function for OLS and Lasso
- Interpret the difference between OLS and Lasso.
- Simple calculation with toy data.

OLS and DID

- Two by two table entry.
- DID estimator.

Coding

- Loading data and packages.
- Create new variables out of the existing variables.
- Take summary statistics, such as mean.
- Calculation between variables, such as summation and subtraction.
- Simple visualization, such as scatter plot.
- Interpret the results.