

Project + HW4 Q&A

STSCI / INFO / ILRST 3900: Causal Inference

Wednesday, October 11, 2023

Announcements

- **Please** fill out the TA Mid-term evaluation by October 13th (Friday)
- HW #4 is due on October 19th @ 5pm
- Final Project Details up on website

Final Project Details

Logistics

- Working in groups of 4-5
 - You can form groups yourself or choose to be assigned to a group
 - If you prefer to work alone, talk to us
- Writeup due Tuesday, November 21st @ 5pm
 - 1500-2000 words
- Presentations during discussion on Wednesday, Nov 29th
 - 10 minute presentation

Final Project Details

Assignment

You will read a paper (we'll choose) and carry out two tasks:

1. Summarize what the authors have done
2. Propose a new quantity to estimate

Each task consists of 3 steps

- Define the estimated using potential outcomes
- Discuss the identification assumptions
- Discuss the estimator/method the authors use

Questions?

Homework 4

Statistical Modeling

1. Analyzing exact matching (and why it can fail)
2. Outcome modeling and treatment probability modeling
3. Do it yourself: matching (similar to last week's discussion)

Questions?