Welcome to ARE 256B Sections!

Mahdi Shams

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Outline I

Introduction I

- ▶ I'm Mahdi Shams, your TA for this course.
- ▶ I'm a second-year PhD student in Davis ARE.
- ▶ Originally from Tehran, Iran, I pursued my undergraduate studies in engineering there and later earned my master's degree in economics in Toulouse, France.
- ▶ I'm interested in the intersection of environmental policy and public economics, and I believe econometrics plays a crucial role in my work.
- ▶ I'm here to assist you, so feel free to reach out with any questions or concerns!
- ▶ my email is mashams[at]ucdavis[dot]edu.

It's your turn now!

Announcements I

Announcements:

- Sections: Fridays 9:00-9:50 am at Veihmeyer Hall 116
- Mahdi OHs: Fridays 10:00-11:00 am at SSH 2136

Setup I

Access to Stata:

- ▶ option 1: https://stata-support.ucdavis.edu/
- ▶ option 2: https://virtuallab.ucdavis.edu/
- ▶ option 3: ARE Computer Lab

Week 1: Stata Basics I

- ▶ type doed in the command window to open the do-file editor
- ▶ asking help 1: `help "command"`
- ▶ asking help 2: google *help "command" stata*
- ▶ basic stata syntax: `command varlist if in, options`

- ▶ setting working directory
- ▶ importing data
- ▶ `browse, describe, ...`
- ▶ operators
- ▶ getting summary statistics: `summ, tabulate|, ...`
- ▶ `gen, replace, drop, keep, ...`
- ▶ using functions: `log(x)`

Week2: Lectures 1 to 3 (limited dep. variable) and presentation I

Lectures

1. estimating linear models
2. estimating probit models
3. plotting the scatter plot
4. computing the rmse

Presentation

Motivation: Fixed costs + now you have more time

1. template do file
2. making log file and converting it to pdf
3. making the tex file (look at the example.tex)

Censoring
Sample Selection
exporting plots
exporting regression tables using estout
HA1 Questions!

Links I

- Example .do file
- Example .tex file
- Stata Visual overview for creating graphs
- exporting regression tables using estout
- LaTeX in 30 Minutes