



EC 508: Econometrics

Discussion 1: Introduction

Alex Hoagland, Boston University

January 24, 2019

Office Hours

- My office hours: **Wed., 9:00—10:30**; SSW room 413 (*not* the basement)
 - ▶ Botao has office hours **Wed. & Th., 2:00—3:30**
 - ▶ Julio (other section) **Mon. & Fri., 1:00—2:00**

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Assignments & Grading

- HW split between me and another TA (Botao Shao, botaos@bu.edu)
- Exams split between me and professor Rife
 - ▶ Please submit requests for grading corrections within one week of grading
- R is acceptable (available for questions in OH)

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Structure of Discussion Section

- Split (aprox. equally) between HW solutions and coding applications
 - ▶ Happy to re-emphasize theory if wanted



Note: Here we will switch to a hands-on Stata tutorial. If you have Stata installed on your computer before Thursday (and bring your materials) you will be able to follow along.

Crash Course Outline

- *Intro:* Command window + Startup
- *Organization:* .do and .log files, coding best practices
- *Playing with data:* Reading in and viewing data
- *Simple output:* Summary stats, tabulations, generating variables
- *Simple regressions:* Understanding output
- *Showing results:* Exporting regressions to LaTeX
- *Looking at data:* Simple data visualization (time permitting)

Table: Sample Title

	log(fare)
avg. passengers per day	-0.000*** (0.000)
log(distance)	-0.873*** (0.129)
Log(distance) squared	0.096*** (0.010)
Constant	6.644*** (0.426)
R-squared	0.39

What should you turn in?

- 1 *Solutions file*: One document (LaTeX preferred, Word, pen/paper) detailing answers to each question.
 - ▶ Should include **only** STATA output asked for (e.g., regression tables)
 - ▶ Screenshots are okay as long as comprehension is clear
- 2 *Log file*: One .log file showing output for all coding required in assignment
 - ▶ Organization is key—coded comments are your friend!
 - ▶ Please order problems consistently
- 3 No need to turn in your .do file or manipulated data files
- 4 Email is *strongly* preferred, hard copies accepted *only* with staples



References & Additional Resources

- Lots of resources on Blackboard
- Stata help files are the place to start
 - ▶ Example file [here](#)
 - ▶ Learn to read the manual files quickly, will come in handy
 - ▶ Helpful video tutorials [here](#)
- Resources for exporting tables:
 - ▶ [estpost help file](#)
 - ▶ [esttab help file](#)
- Data Visualization tools
 - ▶ [Data visualization in Stata](#)
- **Email or come see me with questions!**