DSBA/ECON 6112
Graduate Econometrics

## Replication Project: Part 3

The following paper is posted to Canvas, along with the dataset:

Angrist, Joshua, Eric Bettinger, and Michael Kremer. 2006. "Long-Term Educational Consequences of Secondary School Vouchers: Evidence from Administrative Records in Colombia." *American Economic Review*, 96 (3): 847-862.

**Instructions:**

- Read the paper.

- Replicate the results in Columns 1-2 of Table 3
    - The table (values) in your final write-up must match your do-file and log file.
    - Format the table as in the published paper (rounding, parenthesis around standard errors, etc.)
    - If there are any discrepancies between your results and those reported in the paper, you should highlight these and put a note explaining that this is the case. (These are generally due to typos, so there will be no more than a few in a single table.)

- Briefly (< 1 page) summarize the analysis and results presented in your table:
    - What estimator do you use?
    - What are the dependent and independent variables?
    - What do we learn from these results?
    - Interpret at least one regression coefficient estimate.

- You may consult with the *same* 1-2 other classmates as you did for Parts 1 and 2, as long as you (1) include their name on your assignment, (2) submit your own *unique* answers and Stata files, and (3) do not consult any other classmates (but you may consult me).

You must submit the following files in Canvas:
- Do File
- Log File
- PDF or Word document that contains no more than 2 pages: one page for the formatted table and (no more than) one page for the written summary.

*Note: The do-file and log file <u>must</u> show all work with the data, including opening the dataset, any data manipulations, and all subsequent code to produce the final output for your tables and responses.*

**Things to keep in mind:**

- You are being asked to replicate part of a research paper *to practice doing research*, so treat the assignment as such.
- Your grade will be primarily based on the accuracy of all of the numbers in replicating the research paper, but formatting is also important and will count towards your grade.
- You must use Stata to calculate all of the numbers in the table, but you may use any software you'd like to actually put the numbers together in a table.

**Grading rubric:**

| | Points Possible | Evaluation criteria |
|---|---|---|
| Do File | 5 | Complete, executes without error, produces log file |
| Log File | 5 | Complete, produced by do-file, clean (easy to read/find values), matches table values |
| Summary | 5 | Describes main research question, data source, and sample |
| Table 3 | | |
| Formatting | 5 | Follow formatting instructions |
| Column 1 | 24 | Reported numbers match paper and Stata files |
| Column 2 | 24 | Reported numbers match paper and Stata files |
| **TOTAL** | 68 | |