

# Applied Econometrics

## Replication Project Guidance

Nathaniel Higgins  
nhiggins@jhu.edu

Your replication project will consist of four things (at least) that you hand in:

1. A document (word or latex) that you author. The sections of this document are explained below.
2. Your do-file (or r-file)
  - You should have one main do-file that runs everything
  - If you have other (subsidiary) do-files or ado-files, include those in your submission as well
  - But opening a single do-file should guide me (and Scott) through your work
  - The more heavily and effectively commented is this master do-file, the easier it will be for us to navigate. The easier it is for us to navigate, the better will be your grade, all else equal.
3. The dset that you assembled (or, in some cases, the dset that you simply downloaded) to replicate the paper
4. The original paper

The document that you author should have three or four main sections, depending on what you find:

1. Summary
  - In this first section, summarize the paper. What was the objective of the paper. What did the authors find? If you found anything different, preview it here.
2. Empirical strategy and data
  - How did the authors answer their research question? What data did they use? What variation did they exploit to answer their question? Any weaknesses in their approach that you discovered as you replicated their results?
  - Explain the empirical strategy so that it is easy for me to understand

- I know you understand the strategy — the challenge is for you to explain it to me
  - Explain where you obtained the data and how you assembled the data (especially if you obtained data from multiple sources)
3. Replicated results
- Every table in the paper should be replicated (unless otherwise cleared with me)
  - The tables should appear as they do in the original paper
    - I don't care how you create the tables. Use whatever technology (latex, stata, excel) works for you
  - Explain the results as you go
  - Differences between your results and the authors' results should be highlighted in the text of this section
  - You need not replicate figures, though doing so may be helpful (to you and your readers)
4. Differences
- Comment on differences in your results (if any)
5. Extensions (optional)
- Anything else you want to include (something you noticed, extensions, etc.)