

## Final Project

The project for STAT 5200 has two options. (i) Duplicate and discuss the analysis in an existing empirical paper that uses econometric techniques taught in the course. Your discussion should include criticism of the analyses carried out and the conclusions reached in the paper, if such criticism is warranted. If you choose this option, you are also encouraged to consider additional statistical analyses the author(s) did not undertake—either perform the additional analyses or discuss what other and/or additional approaches you deem appropriate. Note that you are not required to duplicate all of the analyses in the paper. (ii) Use a data set of your own choice and execute an analysis.

### Important details:

- The project is due Thursday, December 18, at 11:59 p.m.
- The final report should include the following sections: (1) introduction of the problem of interest; (2) description of the data; (3) description of the models that will be fit to address the economic problem of interest; (4) presentation of the fitted models, with interpretation of the results (and place the R code in an appendix); (5) conclusions from the analysis performed about the economic problem of interest, along with criticism and discussion of limitations of the study.
- For this project, you are required to work individually.
- I want to limit the length of your report. Your presentation should not exceed 15 pages, exclusive of the appendix containing code.
- Submit a brief proposal, no more than a page, describing the problem to be considered, the data set you plan to use, which analyses you plan to duplicate, and what additional analyses you plan to consider (if you have chosen the first option). If you subsequently decide to change your topic, a new proposal is required. This brief research paper proposal will be part of homework 4.

**Other notes:** I will be available to discuss your project with you. Either come to my office hours or arrange an appointment.

A good source of data from published papers is the Journal of Applied Econometrics Data Archive. It is available at <https://journaldata.zbw.eu/journals/jae>. The American Economic Association maintains a web page with resources for economists on the Internet. It lists economics journals that maintain data archives. The URL is <https://www.aeaweb.org/resources>.