ECONOMICS 203B

DEPARTMENT OF ECONOMICS, UCLA WINTER 2019

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Office Hours: By appointment

Sections: Friday 3:00pm-4:50pm

Course Outline

Economics 203B is designed to introduce you to the basic "workhorse" tools of applied work. We will start with a review of asymptotic theory, and progress into the study of Ordinary Least Squares (OLS) and Instrumental Variables (IV) methods. Time permitting we will cover panel data methods and/or nonlinear models.

Web Page

The course materials will be posted on moodle2.sscnet.ucla.edu. These include a set of notes that I have been working on and will be updated throughout the quarter. Please understand that the notes will likely contain a large number of typos due to being new. Do not circulate these notes without asking for my permission first.

Grading

Your final grade will be based on problem sets and a final exam.

<u>Problem Sets:</u> (30% of final grade) You may form a group with no more than three people and work together on the problem sets. Each student must hand in their own write up of the answer with the names of other students who helped in the problem set.

<u>Final Exam:</u> (70% of final grade) The exam will be open book and open notes. You should therefore expect "conceptual" questions with a higher degree of difficulty.

Textbook

The "official" textbook for this class is the following:

• Hayashi Fumio, "Econometrics". Princeton University Press, 2001.

There are multiple other books you may find helpful. The following are recommendation for additional reading, and you may find them more helpful that Hayashi depending on your learning style. If you are planning to do empirical work and/or research in econometrics, then these may be good books to have in your library as well.

- Amemiya Takeshi, "Advanced Econometrics". Harvard University Press, 1985.
- Cameron Colin and Trivedi Pravin, "Microeconometrics: Methods and Applications". Cambridge University Press, 2005.
- Greene William, "Econometric Analysis". Prentice-Hall, 2005.
- Hansen Bruce, "Econometrics" is an excellent set of notes by Bruce Hansen of the University of Wisconsin at Madison. They are generously made freely available at his website https://www.ssc.wisc.edu/~bhansen/econometrics/
- WOOLRIDGE JEFFREY, "Econometric Analysis of Cross Section and Panel Data".
 MIT Press, 2010.