Course Description

This course provides an introduction to the theory and practice of econometrics, with the goal of making students effective consumers and producers of empirical research in economics. The emphasis is on intuitive understanding rather than on rigorous arguments. Concepts will be illustrated with applications in economics.

Prerequisites

Economics 41

Textbooks


Grading

The overall grade for the course will be computed as follows:

10% Homework

There will be approximately 5 problem sets. Problem sets will be due at the end of the lecture on the date specified on the respective homework. Late homework will NOT be accepted. When turning in homework, students should include their names, student ID numbers, and the name of the TA of their section. You are also required to submit your own Stata code for each assignment (i.e., Print your Stata Do-file and attach it to your homework).
30% Midterm Exam
(Date and location : Aug 17 (Wed, 3rd week), in class)
There will be a mid-term. The mid-term grade will account for 30% of your course grade.

60% Final Exam
(Date and location : Sep 7 (Wed, 6th week), in class)
There will be a final exam. The final exam grade will account for 60% of your course grade.

The mid-term exam will cover all the material taught in the classes before the exam, while the final exam will cover all the material in the course. For both exams, multiple-choice questions will be made.

Lab Sections
Due to space limitations, it is important that you attend the section for which you have signed up. You may swap sections if you can find someone in the section that you wish to attend who will swap with you and move to the section for which you are signed up. Please inform the TAs in both sections if you make such a swap.

Where to Direct Questions
If you have questions on the course material you may come to the office hours of either your TA or myself. It is not possible for the TA’s and myself to reply to individual email questions regarding the material covered in class or problem sets. If you cannot attend (based on official reasons) all the available office hours, please contact to me by email.

Regrading of Problem Sets and Exams
Any question about regrading of any of the problem sets and/or the exams should be submitted in writing to your section leader, and only if there is clear evidence of such error. If a problem set and/or an exam are submitted for regrading, the entire problem set (or exam) will be regraded. Consequently, the overall grade may increase or decrease, depending on the new grade assigned to each question.

Academic Dishonesty
Any case of academic dishonesty will be reported to the Office of the Dean of Students. For more details please refer to the Office of the Dean of Students website at http://www.deanofstudents.ucla.edu/
Software

You may use whatever computer hardware and software you like; instruction will be provided for Stata. If you choose to, you may obtain a student copy of Stata to install on your own computer. Visit www.stata.com and order the student version. Alternatively, you can easily VPN to the UCLA network and access it for free.

Small Stata may not be able to handle some of problem sets. This is because there is the upper limit of number of observations (and variables) Small Stata can handle. However, you can still solve questions with smaller number of observations and there will not be any penalty about it. Hence, Small Stata will be absolutely fine for this course.

Disabled Students and the Office of Student Disability (OSD)

Any student with a pre-existing illness or condition who requests special arrangements must (a) qualify under OSD rules for such special arrangements and (b) must take the exam with OSD. Any such arrangements with OSD must be made during the first week of classes. The instructor must be informed of any such arrangement in the first week of classes. For additional information and the qualification conditions of the Office of Student Disabilities (OSD), please visit their website at http://www.osd.ucla.edu/

Course Outline (Subject to Change)

Introduction & Review of Probability and Statistics
- Chapter 1

Linear Regression
- Chapter 2

Interval Estimation and Hypothesis Testing
- Chapter 3

Prediction, Goodness-of-Fit, and Modeling Issues
- Chapter 4

Midterm Exam
- Chapter 1 ∼ 4
Multiple Regression Model
  • Chapter 5

Inference in the Multiple Regression Model
  • Chapter 6, 7

Omitted Variable Bias
  • Chapter 6, 7

Final Exam
  • Cumulative