Quantitative Economics and Econometrics
ECON 2007
Term 2, 2017-2018

Instructor: Áureo de Paula
Office: 228 Drayton House
Office Hour: Thursdays 16:00-18:00 (January) 14:30-15:30 (after January) or by appointment.

Aims: To provide students with a thorough understanding of core techniques of quantitative economics and econometrics and their application to test economic theories and measure magnitudes relevant for economic policy. The course serves as a foundation for subsequent study of quantitative topics. Term 2 expands on the topics learned on Term 1 for cross-sectional data and introduces basic concepts in time series models.

Objectives: At the end of the module, students should:

- Understand the main techniques of quantitative economics and econometrics, including their strengths and limitations.
- Understand how these techniques can be applied to test economic theories and measure economic magnitudes.
- Have some practical experience of the application of econometric methods using Stata.

Problem Sets:
There will be three problem sets for feedback. Students must hand in all problem sets and there is no tolerance for late assignments. Additional problems will also be covered in tutorials and the problems will be made available in advance on Moodle.

Practical sessions will take place on Mondays, 10:00-11:00 and are scheduled for TBA. The practical sessions will be led by TBA

The class will meet on Fridays, 11:00-13:00 at Logan Hall (IOE).

Course Plan (check for updates):
Week 20 (12/01): IV (W Ch.15.1-15.6, SW Ch.12)
Week 21 (19/01): IV (W Ch.15.1-15.6, SW Ch.12)
Week 22 (26/01): Simultaneous Equations Models (W Ch.16.1-16.3)

(PS1: Due February 2)
Week 23 (02/02): Limited Dependent Variables (W Ch.17; SW Ch.11)
Week 24 (09/02): Limited Dependent Variables (W Ch.17; SW Ch.11)
Week 26 (23/02): Limited Dependent Variables (W Ch.17; SW Ch.11)
(PS2: Due March 3)
Week 27 (02/03): Limited Dependent Variables (W Ch.17; SW Ch.11)
Week 28 (09/03): Regression with Time Series (W Ch.10, 11.1-3; SW Ch.14, 15)
Week 29 (16/03): Regression with Time Series (W Ch.10, 11.1-3; SW Ch.14, 15)
Week 30 (23/03): Serial Corr. and Heteroskedasticity (W Ch.12; SW Ch.15)
(PS3: Due March 30)