ECON 413 Microeconometrics Semester 1, 2024

Paper co-ordinator and lecturer

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Office hours: Tuesday 11:30am – 1pm; Wednesday 4-5pm; 9-11pm most evenings.

Lecture times

Monday 3-3:50pm Otago Business School Seminar Room LG.05
Thursday 2-3:50pm Otago Business School Seminar Room LG.05

Learning aims and objectives

This paper provides students with practical experience of applying standard microeconometric techniques, focusing upon interpretation of results from different estimation procedures. The paper has a practical flavour. The emphasis is not on proofs but on intuition and on applications. This is because the purpose of the course is to prepare students for their own empirical work by giving them hands-on experience in applying contemporary econometric techniques, with examples drawn from the literature. Taking a research-driven and applied approach, the course will guide students through a selection of methods in applied microeconometrics and a replication of a recently published paper in a top journal.

Assessment

The overall grade for this course is determined as follows:
- Three computer assignments at 15% each   45%
- Replication of a published paper   35%
- Class presentation of an applied paper
  published in a journal   20%

Further details on the replication project and the presentation will be provided later.

Plagiarism/Dishonest practice:

Students should make sure that all submitted work is their own.

Textbook: Cameron, A. C. and Trivedi, P. K. (2022) Microeconometrics Using Stata. Stata Press, second edition.

Other Recommended texts

Angrist, J.D. and Pischke, J.-S. (2009) *Mostly harmless econometrics: an empiricist's companion*. Princeton University Press.

Cameron, A. C. and Trivedi, P. K. (2005) Microeconometrics. Cambridge University Press.

Cerulli, G. (2015) Econometric evaluation of Socio-Economic Programs. Springer-Verlag.

Greene, W. H. (2012) Econometric analysis. Pearson. 7th Edition.

Lee, M-L.   (2005) Micro-econometrics for policy, program, and treatment effects. Oxford University Press.

Long, J.S. & Freese, J. (2014) Regression models for categorical dependent variables using Stata. Stata Press. 3rd edition.

Verbeek, M. (2012) *A guide to modern econometrics*. Wiley. *4th Edition.*

Winkelmann, R. (2009) Analysis of Microdata. Springer. 2nd edition.

Wooldridge, J.M. (2010) *Econometric analysis of cross-section and panel data*. 2nd Edition. MIT Press.

Tentative Topics:

- Maximum likelihood estimation and nonlinear regression methods
- Binary outcome models
- Fractional response models
- Count-data models
- Corner solution responses
- Censored data
- Sample selection
- Pooled Cross Sections and Difference-in-Differences Estimation
- Linear panel data models
- Causality: Treatment effects
- Propensity scores, regression discontinuity