ECO1400F1H (L0101): Econometrics (MA)

Department of Economics, University of Toronto

Fall 2024

Lectures: Monday 11 am – 1 pm, BA 1200
                   Wednesday 11 am – 12 pm, SS 1069
Tutorials: Wednesday 12 pm – 1 pm, SS 1069
Instructor: Prof. Martin Burda
Contact: martin.burda@utoronto.ca
Office hours: Thursdays 1:30 pm – 3:30 pm, online synchronous (Zoom link on Quercus)
TA: Quinlan Lee, qt.lee@mail.utoronto.ca
Office hours: Tuesday 2 pm – 4 pm, GE 74
Software TA: Bisma Khan, bisma.khan@mail.utoronto.ca
Office hours: contact for appointment

Course Description

Econometrics combines elements of economic theory, statistics, probability theory, and mathematics. The primary objective of the course is to provide students with a solid theoretical and practical foundation for the interpretation of empirical evidence in economics. As such there is a dual focus on econometric theory and "hands-on" experience working with economic data. The centerpiece of the course is an empirical term paper on a topic of the student's choice. At the end of the course, students should be able to conduct their own empirical investigations, and critically evaluate econometric and other statistical evidence.

Prerequisites

Students are expected to have taken ECO1010 or ECO2010 before taking this course.

References

Textbooks:
- Verbeek, M., *A Guide to Modern Econometrics*, 2017, Wiley.
- Koenker, R., *Quantile Regression*, 2010, Cambridge University Press.
  Available online with UofT library login.

Reference text:
- Greene, W. H., *Econometric Analysis*, 8th ed, 2018, Pearson.

References in lecture slides

Software

For empirical exercises and the Term Paper students can choose any software package. The R language for empirical implementation and Overleaf for typesetting are recommended.

Course Website

We will be using Quercus for class communications, problem sets, the accompanying data, outlines of the lectures, etc. It is important that you regularly check the announcements posted there.

Evaluation

The final grade is based on the following:

Task	Weight	(Due) Date
Midterm exam	30%	October 9, 2024
Term Paper	30%	December 3, 2024
Final Exam	30%	Final Exam Period
Problem Sets	10%	As assigned during the semester

The **midterm exam** will take 2 hours, short-answer format. Students who miss the midterm exam and wish to request a make-up midterm must complete the Absence Declaration on Acorn and must email the instructor with their request within 24 hours of the missed midterm. Consistent with university policy, there is no "make-up" exam for a make-up exam and grade of zero will be applied if the make-up exam is requested but missed. If students wish to appeal a grade, they must provide a written explanation of why they believe their grade is mistaken and submit it to the instructor within one week of the exam being returned to the class.

The **final exam** will take 2 hours, short answer format. The applicable rules and regulations of the School of Graduate Studies and the Department of Economics govern its conduct.

Problem sets will be distributed throughout the semester and form the basis of the tutorials. They will consist of both theoretical and software-based problems.

Term Paper will be assigned with detailed guidelines during the semester. It will entail an empirical investigation of a question in economics and a critical reading of relevant articles related to the question. It must be no longer than 15 pages in length (1.5 spacing). Students can work in pairs or alone. The maximum group-size is two.

Disclaimer concerning plagiarism detection tool:

Normally, students will be required to submit their Term Paper to the University's plagiarism detection tool for a review of textual similarity and detection of possible plagiarism. In doing so, students will allow their Term Papers to be included as source documents in the tool's reference database, where they will be used solely for the purpose of detecting plagiarism. The terms that apply to the University's use of this tool are described on the Centre for Teaching Support & Innovation website. Students may not copy or paraphrase from any generative artificial intelligence applications, including ChatGPT and other AI writing and coding assistants, for the purpose of completing the Term Paper in this course.

Accessibility Needs: If you require accommodations for a disability, or have any accessibility concerns about the course, the classroom or course materials, please contact Accessibility Services as soon as possible: disability.services@utoronto.ca or visit their website.