Carleton University Department of Economics
<u>Fall 2023</u>
ECON 5029
Methods of Economic Research

<div style="background:red;color:white;text-align:center;font-weight:bold">The Instructor</div>

Instructor: Minjoon Lee
Email Address: minjoon.lee@carleton.ca
(Please include "Econ 5029" in the subject line.)
Office Location: LA D892
Office Hours: Tu 1:05 – 2:25 (tentative)

<div style="background:red;color:white;text-align:center;font-weight:bold">The Course</div>

Course Delivery: In person
Course Day and Time: Th 11:35 – 2:25
Course Location: Log into Carleton Central to view the location on your class schedule.

TA: TBD
Email Address: TBD
Office Location: TBD
Office Hours: TBD

Brightspace Course Page: https://brightspace.carleton.ca/d2l/home/208467

<u>Course Description</u>
This course is designed to help students produce a research paper. In the lectures, students will learn how to find a good research question, process data, present outcomes, and write a paper. The lectures will also cover various tools for empirical analysis. In the tutorials, students will learn how to use R, a free programming language for statistical analysis.

<u>Learning Outcomes</u>
Students are expected to learn how to form their own research questions based on a good understanding of the literature on the topic of interest; find suitable data sets and empirical strategies; present their work in presentations and research papers; provide constructive feedback to peers' work.

<u>Prerequisites</u>

ECON 5020 (ECON 5000 if taken before 2012-2013, ECON 5001 if taken before 2007-2008) and ECON 5027 (ECON 5005 if taken before 2012-2013), or permission of the Department.

Preclusions

Precludes additional credit for Econ 5006 (no longer offered).

Course Calendar (tentative)

Week	Content
1	How to write a research paper
2	Data cleaning and preliminary analysis
3	How to set up economic models OLS review
4	Identification strategies
5	Identification strategies
6	Non-standard dependent variables
7	**Research proposal presentations**
8	Non-standard dependent variables
9	Time series analysis
10	Machine-learning for forecasting
11	**Research paper presentations**
12	**Research paper presentations**

Tutorials
- There is a tutorial every week. Tutorials are used to teach how to use R for statistical analysis. Students are encouraged to install R and R-studio to their laptops and bring them to tutorials.

Textbooks and Readings

Texts

This course does not have a required textbook. Some readings may be assigned during the course.

Evaluation

Evaluation

Assignment	Date	Mode of Delivery	Percentage of Grade

Research question	September 24	Brightspace	10%
Research proposal presentation	October 19	In-person presentation	20%
First draft of research paper	November 19	Brightspace + In-person presentation	20%
Referee report	December 10	Brightspace	20%
Final draft of research paper	December 20	Brightspace	30%
			Total: 100%

In this course, any use of generative AI tools to produce assessed content is considered a violation of academic integrity standards as per our statement on Plagiarism.

If you need an extension for any of the assignments, please email me as soon as possible to discuss rescheduling. I reserve the right to request a Self-Declaration form or PMC letter of accommodation depending on the length of incapacitation. As it is required that all course evaluations be submitted in order to have good standing in this course, failure to submit an assignment will result in withdrawal or a failing grade for this course. No late submissions will be accepted unless arrangements are made in advance.

Satisfactory Performance Criteria
Students must fulfill all of the course requirements in order to achieve a passing grade (D- or higher).

Standing in a course is determined by the course instructor subject to the approval of the Faculty Dean. This means that grades submitted by the instructor may be subject to revision. No grades are final until they have been approved by the Dean.

Plagiarism, Resources and Mental Health, Academic Accommodations

You are responsible for reading and knowing the information about plagiarism, Carleton University resources, and academic accommodations found HERE.