

Economics 611 (L01) Applied Econometrics Data Solution

Instructor: Ben Crost
Email: benjamin.crost@ucalgary.ca

Lecture Location: EDC 276
Lecture Days/Time: Tu/Th 8-9:15AM

Office: SS 422
Office Hours: Tu 9:30-11:30am

Course Description:

Students will apply econometrics methods to data to develop a solution to an economic resource allocation problem. Principles of project management and applications in economics data projects will be introduced. The completion of a group project, under the supervision of a faculty member, on an assigned economics data topic will be required. The project will normally involve data review, theoretical work, and econometric analysis. Submission and defense of progress reports and a final report are required.

Course Objectives/Learning Outcomes:

At the end of the course students will be able to:

- (1) Design and plan a project, and carry the project through to completion working in a team environment
- (2) Solve design problems in the project by synthesizing skills learned in a variety of courses taken during the course of the Economics degree program.
- (3) Communicate effectively within the team, with the advisor, and with the Course Coordinator.
- (4) Serve as a team leader and mentor other team members

Prerequisites/corequisites:

Econ 611 assumes familiarity with the material covered in Econ 615, including proficiency at mathematical statistics and calculus. Students should have proficiency with Python software – please use the recommended textbook by Tony Gaddis to improve your Python skills, if necessary.

Required Textbook(s):

None

Recommended Textbook(s):

Taddy, Matt. *Business Data Science: Combining Machine Learning and Economics to Optimize, Automate, and Accelerate Business Decisions* McGraw-Hill Education; 1 edition
Gaddis, Tony. *Starting Out With Python 4 Edition*. Pearson.

Desire2Learn:

This course will make use of the Desire2Learn (D2L) platform. Students who are registered in the course can log on at <http://d2l.ucalgary.ca> through their student centre. Please note that D2L features a class e-mail list that may be used to distribute course-related information. These e-mails go to your University of Calgary e-mail addresses only.

Grade Determination:

PROJECT PLAN	15%
PROGRESS REPORT 1	15%
PROGRESS REPORT 2	15%
FINAL REPORT AND VIDEO	35%
PRESENTATIONS AND PARTICIPATION	10%
TEAM LEADERSHIP	10%
	<hr/>
	100%

The official grading system will be used. See <http://www.ucalgary.ca/pubs/calendar/current/f-1-1.html>.

A passing grade on any particular component of the course is not required for a student to pass the course as a whole.

As per the Writing Across the Curriculum Statement in the Calendar, writing and grading thereof will be a factor in the evaluation of student work.

All other course components will also be accessed, submitted, and returned through D2L.

The final project will be due on the first day of the exam period April 19th at 5pm.

THERE WILL BE NO MAKEUP OR DEFERRED EVALUATIONS under any circumstances, nor may the evaluation materials be written early. Students unable to write the evaluation material because of documented illness, family emergency, religious observance, or university-sanctioned event will have the weight shifted to the final project report; otherwise a grade of zero will be assigned.

Reappraisal of Grades:

For Reappraisal of Graded Term Work, see Calendar I.2

<http://www.ucalgary.ca/pubs/calendar/current/i-2.html>

For Reappraisal of Final Grade, see Calendar I.3

<http://www.ucalgary.ca/pubs/calendar/current/i-3.html>

Academic Misconduct:

Academic Misconduct refers to student behavior that compromises proper assessment of students' academic activities and includes: cheating; fabrication; falsification; plagiarism; unauthorized assistance; failure to comply with an instructor's expectations regarding conduct required of students completing academic assessments in their courses; and failure to comply with exam regulations applied by the Registrar.

Student committing academic misconduct during the final exam will not receive a passing grade for the course.

For information on the Student Academic Misconduct Policy, Procedure and Academic Integrity, please visit: <https://www.ucalgary.ca/pubs/calendar/current/k-3.html>

Academic Accommodations:

Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services. SAS will process the request and issue letters of accommodation to instructors. Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their instructor. The full policy on Student Accommodations is available at <https://www.ucalgary.ca/legal-services/university-policies-procedures/accommodation-students-disabilities-procedure>

Freedom of Information and Protection of Privacy (FOIP) Act:

Personal information is collected in accordance with FOIP. Assignments can only be returned to the student and will be accessible only to authorized faculty and staff. For more information, see <https://www.ucalgary.ca/legal-services/access-information-privacy>

Copyright Legislation:

See the University of Calgary policy on Acceptable Use of Material Protected by Copyright at <https://www.ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-material-protected-copyright-policy> Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

Course materials created by instructors (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the instructor. These materials may NOT be reproduced, redistributed or copied without the explicit consent of the instructor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing.

Recording of Lectures:

Recording of lectures is prohibited, except for audio recordings authorized as an accommodation by SAS or an audio recording for individual private study and only with the written permission of the instructor. Any unauthorized electronic or mechanical recording of lectures, their transcription, copying, or distribution, constitutes academic misconduct. See <https://www.ucalgary.ca/pubs/calendar/current/e-6.html>.

Important Dates:

Please check: <http://www.ucalgary.ca/pubs/calendar/current/academic-schedule.html>

Student Organizations:

Faculty of Grad Studies website: <http://grad.ucalgary.ca/home>

Graduate Students Association: <http://gsa.ucalgary.ca/>

Professional Development for Grad Students

Workshops and resources can be found at <http://www.ucalgary.ca/mygradskills/>

Economics Graduate Association: <http://econ.ucalgary.ca/ega/>

Student Support and Resources:

- See <https://www.ucalgary.ca/registrar/registration/course-outlines> for information on campus mental health resources, the Student Ombuds Office, Student Success Centre, Safewalk, and Emergency Evacuation and Assembly.
- Online writing resources are available at <https://ucalgary.ca/student-services/student-success/writing-support>.
- For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at 403-210-ROCK [7625] or visit them in the MacKimmie Tower.

Notes:

1. Students are responsible for all assigned material, e.g., supplementary material posted on D2L, regardless of whether or not the material was covered in class.

BC

2021-12-08