

ECON 7800 - Econometrics I

Spring 2020

Tuesday & Thursday, 10:45am - 12:05pm, GC 1855

Instructor

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Course description

This course covers a variety of topics, including endogenous regressors, qualitative data, panel data, experimental data. The course will adopt an applied approach that would facilitate you to identify the strengths and limitations of the estimation methods so that you can apply them for your empirical research judiciously. For the computer exercises you may use any statistical software that you are comfortable with. I will use STATA to demonstrate the applications.

Suggested textbooks

- Jeffrey Wooldridge. (2010) *Econometric Analysis of Cross Section and Panel Data*. MIT Press.
- William H. Greene. (2011) *Econometric Analysis*. Pearson.
- Fumio Hayashi. (2000) *Econometrics*. Princeton University Press.

Sequence of topics

- Endogeneity and instrumental variables (Jan 7, 9, 14, 16, 21)
- Binary qualitative dependent variables (Jan 23, 28, 30)
- Multi-category qualitative dependent variables (Feb 4, 6, 11)
- Limited dependent variables (Feb 18, 20, 25, 27)

- Panel data analysis (Mar 3, 5, 17, 19)
- Quasi-experiment and experiment approaches (Mar 24, 26, 31, Apr 2)

Course evaluation components and their weights

- Exam 1 on Feb 13 (40% weight), Exam 2 on April 7 (40% weight)
- Applied project (20% weight)

Course grade criterion

- $A \geq 93\%$, $93\% > A- \geq 90\%$
- $90\% > B+ \geq 87\%$, $87\% > B \geq 83\%$, $83\% > B- \geq 80\%$
- $80\% > C+ \geq 77\%$, $77\% > C \geq 73\%$, $73\% > C- \geq 70\%$
- $70\% > D+ \geq 65\%$, $65\% > D \geq 60\%$, $60\% > D- \geq 50\%$
- $50\% > E$

Notes

- I will provide practice problem sets. You are encouraged to work in groups. The solutions will be discussed in class.
- The exams must be taken at the scheduled time. When a student has a legitimate (documented) reason for missing one of the exams, the weight of the missed exam will be transferred to the other exam. No make-up exams are given.
- Incompletes are not generally given for non-medical reasons.
- If you have any question regarding your grade, you must ask within a week from the day the grades are posted on canvas. No exceptions to this rule will be entertained.
- The nature of the applied project is flexible (replication or original empirical analysis). The details will be discussed in class.

- This syllabus is meant to serve as an outline and guide for the course. Please note that I may modify it with reasonable notice to you. I may also modify the schedule to accommodate the needs of the class. Any changes will be announced in class and posted on Canvas under Announcements.
- All students are expected to abide by the academic code of conduct as laid out by the university: <https://regulations.utah.edu/academics/6-400.php>

Americans with Disabilities Act (ADA) Statement

The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations. All information in this course can be made available in alternative format with prior notification to the Center for Disability Services. (www.hr.utah.edu/oeo/ada/guide/faculty/)

Addressing Sexual Misconduct

Title IX makes it clear that violence and harassment based on sex and gender (which Includes sexual orientation and gender identity/expression) is a civil rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran's status or genetic information. If you or someone you know has been harassed or assaulted, you are encouraged to report it to the Title IX Coordinator in the Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or the Office of the Dean of Students, 270 Union Building, 801-581-7066. For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-7776. To report to the police, contact the Department of Public Safety, 801-585-2677(COPS).

Student Names & Personal Pronouns

Class rosters are provided to the instructor with the student's legal name as well as 'Preferred first name' (if previously entered by you in the student profile section of your CIS account). While CIS refers to this as merely a preference, I will honor you by referring to you with the name and pronoun that feels best for you in class, on papers, exams, group projects, etc. Please advise me of any name or pronoun changes (and update CIS) so I can help create a learning environment in which you, your name, and your pronoun will be respected.

Wellness Statement

Personal concerns such as stress, anxiety, relationship difficulties, depression, cross-cultural differences, etc., can interfere with a student's ability to succeed and thrive at the University of Utah. For helpful resources contact the Center for Student Wellness - www.wellness.utah.edu; 801-581-7776.

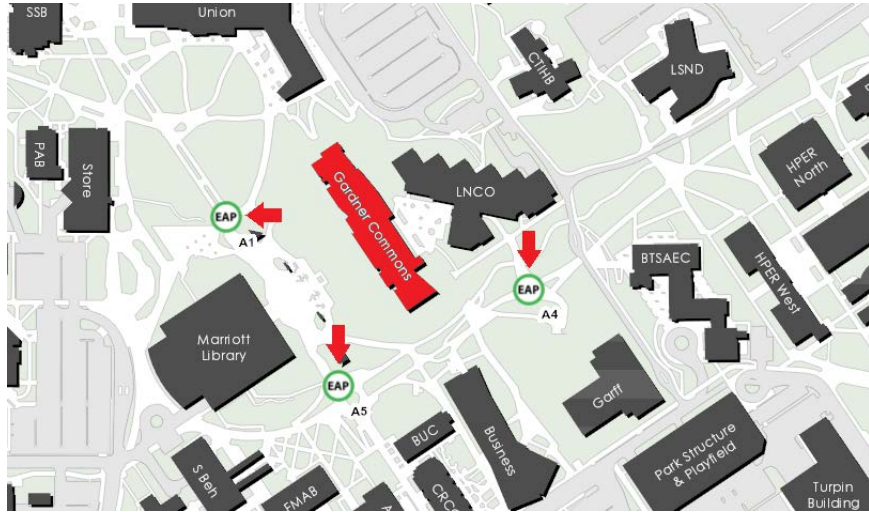
LGBT Resource Center

If you are a member of the LGBTQ community, I want you to know that my classroom is a safe zone. Additionally, the U of Utah has an LGBT Resource Center on campus. They are located in Room 409 in the Oplin Union Building. Hours: M-F 8-5pm. You can visit their website to find more information about the support they can offer, a list of events through the center and links to additional resources: <http://lgbt.utah.edu/>. Please also let me know if there is any additional support you need in this class.

Veterans Center

If you are a student veteran, the U of Utah has a Veterans Support Center located in Room 161 in the Olpin Union Building. Hours: M-F 8-5pm. Please visit their website for more information about what support they offer, a list of ongoing events and links to outside resources: <http://veteranscenter.utah.edu/>. Please also let me know if you need any additional support in this class for any reason.

CSBS EMERGENCY ACTION PLAN



BUILDING EVACUATION



EAP (Emergency Assembly Point) – When you receive a notification to evacuate the building either by campus text alert system or by building fire alarm, please follow your instructor in an orderly fashion to the EAP marked on the map below. Once everyone is at the EAP, you will receive further instructions from Emergency Management personnel. You can also look up the EAP for any building you may be in on campus at <http://emergencymanagement.utah.edu/eap>.



CAMPUS RESOURCES

U Heads Up App: There's an app for that. Download the app on your smartphone at alert.utah.edu/headsup to access the following resources:

- **Emergency Response Guide:** Provides instructions on how to handle any type of emergency, such as earthquake, utility failure, fire, active shooter, etc. Flip charts with this information are also available around campus.
- **See Something, Say Something:** Report unsafe or hazardous conditions on campus. If you see a life threatening or emergency situation, please call 911!

Safety Escorts: For students who are on campus at night or past business hours and would like an escort to your car, please call 801-585-2677. You can call 24/7 and a security officer will be sent to walk with you or give you a ride to your desired on-campus location.

