SYLLABUS
Financial Econometrics II, BUSN 6360-25924, Spring 2021

General Information
Time and Location: Th 6:00-8:50PM, Zoom [Join URL]
Instructor: Dr. Xiaojin (Aaron) Sun  Office: BUSN-237
Email: xsun3@utep.edu  Office Hours: By appointment

Course Overview
This two-semester sequence of PhD Financial Econometrics is an in-depth study of quantitative methods as employed in finance and accounting research. The range of topics covered in this course will span a large part of econometrics generally with a particular interest in those techniques adapted to the analysis of panel data sets.

I have given a review on linear models and maximum likelihood, and covered static linear panel data models and simple discrete choice models in the Fall. This semester we will learn the generalized method of moments, dynamic panel data models, treatment evaluation, and Tobit and selection models.

Course Objectives
This course aims to equip students with the econometric tools needed to analyze finance and accounting data. Students are expected to acquire theoretical knowledge on key econometric methods and practical ability to apply that knowledge in their own research. Upon completion of the course, students should be able to understand and use basic econometric tools in the analysis of cross-sectional and panel data, replicate empirical results from the applied literature, and undertake empirical analysis using standard statistical software.

Textbook


Statistical Software

- Stata (available via UTEP MyAPPS)

Grading Policy
The class grade will be determined by the following components:

- **Homework Assignments (10% × 5):** Five homework assignments will be given during the semester. Assignments will usually be collected on Tuesdays by end of day unless otherwise announced. No late submissions will be accepted. Your homework should be typed in LaTeX or Microsoft Word and submitted in pdf documents, supplemented with Stata do files. For each homework, please submit only one pdf and one do file. Please name your homework submission using the homework number followed by your last name and the initial of your first name, e.g., HW1_SunX.pdf and HW1_SunX.do.

- **Term Project and Presentation (50%):** You will have to find a topic in your area of specialization and use the knowledge acquired in this class to write a paper of your own. The project should consist of
  1. complete Stata code that produces all your results,
  2. nicely formatted figures and tables produced by your code,
  3. and a complete research paper.

The last two weeks of the semester will be reserved for presentations. If possible, we may reschedule the two classes for two consecutive days of the last week. Each student will have about 30 minutes. Please mark the following important dates:

- March 31: Research proposal due.
- April 30: Presentation slides due.
- May 12: Paper and do file due.

**Grading Scale:** 90+=A, 80-89=B, 70-79=C, 60-69=D, 59 and below=F.

Tentative Course Schedule

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<tr>
<th>Course</th>
<th>Notes</th>
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<tr>
<td>Generalized Method of Moments (3 weeks)</td>
<td>Lecture Notes</td>
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<tr>
<td>Dynamic Panel Data Models (4 weeks)</td>
<td>Baltagi Ch 8</td>
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<tr>
<td>Treatment Evaluation (3 weeks)</td>
<td>Lecture notes</td>
</tr>
<tr>
<td>Tobit and Selection Models (3 weeks)</td>
<td>Lecture Notes</td>
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Reading List

Dynamic panel


**Treatment evaluation**


Academic Integrity

The University of Texas at El Paso prides itself on its standards of academic excellence. In all matters of intellectual pursuit, UTEP faculty and students must strive to achieve excellence based on the quality of work produced by the individual. In the classroom and in all other academic activities, students are expected to uphold the highest standards of academic integrity. Any form of academic dishonesty is an affront to the pursuit of knowledge and jeopardizes the quality of the degree awarded to all graduates of UTEP. It is imperative, therefore, that the members of this academic community understand the regulations pertaining to academic integrity and that all faculty insist on adherence to these standards.

Any student who commits an act of academic dishonesty is subject to discipline. Academic dishonesty includes, and is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, and any act designed to give unfair advantage to a student or the attempt to commit such acts. Proven violations of the detailed regulations, as printed in the Handbook of Operating Procedures (HOP), and available in the Office of Student Life and on the homepage of the Office of Student Life at www.utep.edu/dos, can result in sanctions ranging from disciplinary probation, to a failing grade on the work in question, to a failing grade in the course, to suspension or dismissal, among others.

Disabilities Statement

I will make any reasonable accommodations for students with limitations due to disabilities, including learning disabilities. Please see me personally before or after class in the first two weeks or make an appointment, to discuss any special needs you might have. If you have a documented disability and require specific accommodations, you will need to contact the Disabled Student Services Office in the East Union Building, Room 106 within the first two weeks of classes. The Disabled Student Services Office can also be reached in the following ways:

Web: http://www.utep.edu/dsso
Phone: (915) 747-5148
E-Mail: dss@utep.edu

Copyright Statement

All materials used in this course are protected by copyright law. The course materials are only for the use of students currently enrolled in this course and only for the purpose of this course. They may not be further disseminated.
COVID-19 Accommodations
Students are not permitted on campus when they have a positive COVID-19 test, exposure or symptoms. If you are not permitted on campus, you should contact me as soon as possible so we can arrange necessary and appropriate accommodations.

COVID-19 Precautions
You must STAY AT HOME and REPORT if you (1) have been diagnosed with COVID-19, (2) are experiencing COVID-19 symptoms, or (3) have had recent contact with a person who has received a positive coronavirus test. Reports should be made at screening.utep.edu. If you know of anyone who should report any of these three criteria, you should encourage them to report. If the individual cannot report, you can report on their behalf by sending an email to COVIDaction@utep.edu.

For each day that you attend campus - for any reason - you must complete the questions on the UTEP screening website (screening.utep.edu) prior to arriving on campus. The website will verify if you are permitted to come to campus. Under no circumstances should anyone come to class when feeling ill or exhibiting any of the known COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, and alternative instruction will be provided. Students are advised to minimize the number of encounters with others to avoid infection.

Wear face coverings when in common areas of campus or when others are present. You must wear a face covering over your nose and mouth at all times in this class. If you choose not to wear a face covering, you may not enter the classroom. If you remove your face covering, you will be asked to put it on or leave the classroom. Students who refuse to wear a face covering and follow preventive COVID-19 guidelines will be dismissed from the class and will be subject to disciplinary action according to Section 1.2.3 Health and Safety and Section 1.2.2.5 Disruptions in the UTEP Handbook of Operating Procedures.