Instructor: Dr. Ruixuan Liu, Rich Memorial Building, Room 306C, email: rliu41@emory.edu

Time and Location: MWF 12:00 - 12:50 pm, White Hall 101.

Office Hours:
   Wednesday  3:00 - 5:00 pm
   Thursday    3:00 - 5:00 pm


Material: Chapters 1-6 and 7, 15, 17 in Wooldridge.

This course is an introduction to the statistical foundations of Econometrics. It will equip students with ground understanding of probability theory and mathematical statistics behind most econometric methods, highlighting endogeneity and heterogeneity issues associated with economic problems. The main concepts of asymptotic theory, with its applications to the classical linear regression model and other variants are also covered. By the end of the course, students should have a working knowledge of the linear regression models, discrete choice models, and sample selection models. Computing tutorials will be held during some lectures. This is designed to help students to understand the practical implications of the theoretical content of the lectures, and familiarize themselves with the use of powerful and widespread econometric software such as STATA. STATA is available on computers in the Econ lab (Rich 301), Woodruff Library, and Cox Hall.

Grading: There will be bi-weekly assignments, a midterm exam and a final. They will count toward the grade as follows.

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Assignments</td>
<td>30%</td>
</tr>
<tr>
<td>Midterm</td>
<td>25%</td>
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<tr>
<td>Final</td>
<td>45%</td>
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Exams: The midterm exam will be in-class on Friday, Oct 23. The final exam is on Friday, Dec 11 from 8:00 to 10:30 am. The final exam time is unchangeable.

Other Issues:

Blackboard: All announcements, syllabus, home assignments, lecture notes, data files, and other course-related material will be posted on Blackboard. You should check Blackboard web-site regularly for updates.

Honor Code: The honor code is in effect throughout the semester. By taking this course, you affirm that it is a violation of the code to cheat on exams, to plagiarize, to deviate from the teacher’s instructions about collaboration on work that is submitted for grades, to give false information to a faculty member, and to understand any other form of academic misconduct. You agree that the teacher is entitled to move you to another seat during examinations, without explanation. You also confirm that if you witness others violating the code you have a duty to report them to the honor council.

Note: No class on Oct 9th, Friday.