Mathematical Statistics  
ORI 390R-2, Unique #19055  
Spring 2012

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Course website: Blackboard  
Office hours: TBA  
Prerequisite: A graduate course in Probability (ORI 390R-1). You should have a good knowledge of Probability and be able to solve the problems after Chapters 1 - 4 from Casella’s book.

Resource Materials


Instructor's notes and handouts.

List of tentative topics

- Properties of a random sample, Weeks 1-3, Chapters 5,6
- Point estimation, Weeks 4-6, Chapter 7
- EXAM I
- Hypothesis testing, Weeks 7-9, Chapter 8
- Interval estimation, Weeks 10-12, Chapters 9,10
- EXAM II
- Regression Models, Weeks 13-16, Chapters 11,12

Grading policy

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<tr>
<th>Component</th>
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<tr>
<td>Homework</td>
<td>20%</td>
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<td>Exam I</td>
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• All exams are open book, open class notes. The final exam will be comprehensive. You are required to take all tests. Only under exceptional circumstances when legitimate and verifiable reasons are provided will I schedule makeup tests.

• You will have approximately 8 problem sets assigned.

General comments

• IMPORTANT: This is a Mathematical Statistics course. We will spend all of our time on the theory of statistics and will not do any data analysis.

• If you find yourself falling behind, please come and see me. It is very important not to get confused since each lecture builds on the previous one.

• Exams will test both your technical ability to carry out standard procedures and your understanding of important concepts. Do not expect exams to consist of homework assignments.

• If you are going to miss more than a couple of lectures, let me know. It is your responsibility to find out about any handouts distributed during lectures you miss.

• The topics outlined above and the order in which they will be covered might be changed depending on the progress and needs of the class.

Additional Administrative Notes

The University of Texas at Austin provides upon request appropriate academic adjustments for qualified students with disabilities. For more information, contact the Office of the Dean of Students at 471-6259, 471-4241 TDD or the College of Engineering Director of Students with Disabilities at 471-4382.

An engineering student must have the dean’s approval to add or drop a course after the fourth class day of the semester or after the second class day of a summer term. Adds and drops are not approved after the fourth class day except for good cause. “Good cause” is interpreted to be documented evidence of an extenuating non academic circumstance (such as health or person problems) that did not exist on or before the fourth class day.

A Course-Instructor Survey from UT's Measurement and Evaluation Center will be administered near the end of the semester.

Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from The University. Since dishonesty harms the individual, fellow students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced.