Math 3770 - Statistics and Applications, Section D, Spring 2014

Basic Information

- Course: Math 3770, Statistics and Applications, Section D.
- Class location and time: Weber SST III 2, TR 09:35am - 10:55am.
- Instructor: Yunlong He

  - Email: heyunlong@gatech.edu
  - Office: Skiles 167. Phone: (404) 894-8774
  - Office Hours: TR 11:00am - 12:00pm, or by appointment.

- Textbook: Probability & Statistics for Engineering and the Sciences, 8th Edition, by Jay L. Devore (Brooks/Cole CENGAGE Learning).
- Prerequisites: Calculus I, II, III.
- Description: Introduction to probability, random variables, probability distributions, point estimation, confidence intervals, hypothesis testing, linear regression, and analysis of variance.

Grading Scheme

- 15% Homework
- 30% Final exam
- 60% Three midterms (20%*3)

Total=105. Grades will be assigned on the standard scale: A 90 or higher, B 80-89, C 70-79, D 60-69, F Below 60.

Homework
Homework problems will be announced every other week. There are seven homework assignments, which are due at the beginning of class on every other Tuesday, except the last one, which is due on the Thursday before the Dead Week. **No late homework will be accepted**.

Exams
There will be three midterm exams given in class and one final exam. The exams are closed-book and closed-notes, except that you will be allowed to bring a non-programmable calculator and one formula sheet (double-sided, A4 size) to each exam. Makeup exams are given only in extraordinary circumstances and the instructor must be notified one week prior to the exam. You need also provide a reasonable, written confirmation of your absence. If a student has a disability that may require accommodation on tests, please make an appointment with the ADAPTS office to discuss any special needs, as well as meeting individually with me. The exam dates will be announced in class, at least a week in advance. The tentative exam dates are:

- Midterm 1: Thursday, Feb 6
- Midterm 2: Thursday, Mar 13
- Midterm 3: Thursday, Apr 10
- Final exam: Thursday, May 1

Any regrading request should be submitted to the instructor **within a week** after the tests have been returned in class.

Academic Integrity All students are expected to comply with the Georgia Tech Honor Code. Any violations of the Georgia Tech Honor Code will be submitted directly to the Dean of Students. The Georgia Tech Honor Code is available at http://www.honor.gatech.edu/

Outline of Topics

Week 1	Chapter 1-2 Intro to Statistics and Probability
Week 2-4	Chapter 3-5 Random Variables and Distributions
Week 5	Chapter 6 Point Estimation and Midterm 1
Week 6	Chapter 7 Statistical Intervals
Week 7-10	Chapter 7-9 Hypothesis Testing and Midterm 2
Week 12-13	Chapter 10-11 Analysis of Variance
Week 14-15	Chapter 12-13 Midterm 3 and Linear Regression
Week 16	Review

Spring 2014 Calender

Monday, Jan 6	First day of class
Friday, Jan 10	Register/Schedule change deadline
Tuesday, Jan 21	Homework due day
Tuesday, Feb 4	Homework due day
Thursday, Feb 6	Midterm 1
Tuesday, Feb 18	Homework due day
Tuesday, Mar 4	Homework due day
Thursday, Mar 13	Midterm 2
Thursday, Mar 13	Withdraw deadline
Monday-Friday, Mar 17-21	Spring break
Tuesday, Mar 25	Homework due day
Tuesday, April 8	Homework due day
Thursday, April 10	Midterm 3
Thursday, April 17	Homework due day
Friday, Apr 25	Last day of class
Thursday, May 1	Final exam