

Math 1710 Statistical Theory and Applications

Lecturer: Dr. Allen Back, < *ahb2* >, 211 Malott, 5-4629

Office hours: Tu 1-2, Th 1-2, Fri 1:40-2:40.

Lectures: MWF 12:20 251 Malott Hall

TAs: Nguyen, Tilo < *dhn43* >, Office hours: TBA

Zhao, Yue < *yz453* >, Office hours: Fri 2:30-4:30 in Malott 218

Computer Lab: Th 12:20/1:25 (Nguyen), or 2:30/3:35 (Zhao), G90 Uris Hall
(If you need a change from your assigned lab, please see your TA.)

Course Website: <http://www.math.cornell.edu/~web1710/index.html>

Required Text: Bock, Velleman, Deveaux, Stats: Modeling the World, 3rd Ed. (**Note:** Used books must have the DVD and serial number. Serial number needed in the lab!)

Required Software: Velleman, ActivStats/DataDesk 3rd edition (dual platform DVD bound with text.)

Calculator: The statistics features you'll need include combinations, standard deviation, and correlation. (TI-83/4 graphing calculators have a more extensive statistics package.)

Homework: There are several types of assignments: (*No electronic submissions, please.*)

Textbook: (*graded*) Sets of exercises assigned weekly and usually collected Mondays. While you may discuss these with others and get help from me, from the TAs, or at the tutoring centers, the final work you submit must be your own. Late homework may be accepted (until solutions have been posted online) at a penalty of 10% per day.

Discussion Section Problems: (*not handed in*) These will be handed out or posted on the web for discussion at the Thursday recitation. They will have major content overlap with the homework due the following Monday. These problems will highlight important things for the upcoming homework as well as for later exams. I'll include a discussion of what things from the textbook you should most focus on.

Data Desk: (*graded*) Investigations using our Statistics software. You may work with a partner on the computer portion during the Thursday labs, but your final written work must be your own. Reports, when collected, are typically due at the start of the next lab.

Supplementary Assignments: (*graded*) There will be a few of these addressing points beyond the textbook. They will be announced at the course website.

Exams:

	Date	Time	Room
Prelim 1	Tuesday, September 29	7:30-9:00 PM	Morrison Hall 146
Prelim 2	Thursday, November 19	7:30-9:00 PM	Morrison Hall 146
Final	Thursday, December 10	2:00-4:30 PM	TBA

Conflicts: If you have another exam at any of those times, please send email right away and at least 2 weeks before the exam. No make-ups will be possible without prior arrangement. Disabilities Students registered with Student Disability Services are eligible for appropriate accommodations. Please discuss these with me during the first three weeks of the semester.

Grading: Your grade will be calculated as follows:

- Homework:** 30% (includes Textbook, Data Desk, and Supplementary)
- Prelim 1:** 20%
- Prelim 2:** 20%
- Final Exam:** 30%

We're uncertain how much grading support the course will have. In the past the 30% non exam grading component has been broken up as 15% textbook homework and 15% Data Desk homework. We'll adjust these percentages modestly depending on what is actually graded.

Need Help? Here are some options; see the course website for updates.

- Our Office Hours:** course website
- LSC Statistics Lab:** 417CCC (SunMWTh, 6-9pm starting Sep. 7?)
- Math Support Center:** 256 Malott <http://www.math.cornell.edu/twiki/bin/view/MSC/>