

SYLLABUS FOR STATISTICS 12 - LECTURE 1
SUMMER SESSION A 2010

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Office hours: TR 16:00 - 18:00, W 15:00 - 18:00

Lecture	Day	Class Time	Location
Lecture 1	TWR	13:00 - 14:20	BOELTER 9436

Section	Day	Discussion Time	Location
1A	R	15:00 - 15:50	BOELTER 9436

Section	Day	Lab Time	Location
1A	T	15:00 - 15:50	BOELTER 9413

Textbook (optional): De Veaux, Velleman, Bock, *Stats: Data and Models*, 2nd Edition, Pearson, 2008.

Probability and Statistics EBook: <http://wiki.stat.ucla.edu/socr/index.php/EBook>.

Software: R, GRASS, Statistics Online Computational Resource (SOCR): <http://www.socr.ucla.edu>.

COURSE TOPICS

1. Data analysis.
2. Probability
3. Random variables.
4. Discrete probability distributions.
5. Continuous probability distributions.
6. Sampling distributions.
7. Estimation - Confidence intervals.
8. Hypothesis testing.
9. Simple linear regression and correlation.

COURSE GRADES:

There will be three (3) exams (cumulative) and homework or labs that will be assigned every week. Please staple your homework or labs and write your name and the discussion section on them. Late homework or labs will not be accepted and make-up exams will not be given. Being in class on time and fully participating is important for your understanding of the material and therefore for your success in the course. You are required to attend all the lectures. Attendance will be taken at random times during the course and it will count for 20% of your grade. The tentative dates for the exams are shown below.

$$\text{Final score} = 0.10 \times \text{Homework} + 0.10 \times \text{Labs} + 0.20 \times \text{Attendance} + 0.15 \times \text{Exam1} + 0.15 \times \text{Exam2} + 0.30 \times \text{Exam3}.$$

Communication:

In-class handouts can be accessed at <http://www.stat.ucla.edu/~nchristo/statistics12>. Please keep a current e-mail address with my.UCLA.edu in order to receive class announcements and reminders.

Important dates:

First class: 22 June.

Last class: 29 July.

Exams:

Exam 1: Week 2.

Exam 2: Week 4.

Exam 3: Week 6.

Good Luck !!!