

Statistics 20, Section 2

Fall 1999

Lectures MWF 10 to 11 in 155 Donner.

Sections MW 1–2 in 332 Evans or 2–3 in 344 Evans. The first section meetings will be held on Wednesday, August 25.

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Office Hours Mon 11–12, Tue 2–3.

Text *Statistics* (3rd edition) by Freedman, Pisani, and Purves.

Homework will be assigned in lecture on Wednesday each week. You should turn in your homework in lab on the following Wednesday. The lowest two homework scores will not be counted in your grade. There will be no other acceptance of late homeworks, except in case of a prolonged serious illness or family crisis.

Problems which request explanations or opinions should be answered in complete sentences and paragraphs. Coherence and clarity count!

You are responsible on the exams for all the material from the reading, whether or not it is specifically discussed in class.

Midterms There will be one midterm, on Wednesday, October 20. There are no make-up midterms.

Final exam The final will be 8–11am, Wednesday, December 8.

Grading Your grade in the course will be based on a score, of which 20% will be derived from your homework, 30% will be your score on the midterm exam, and 50% the final exam.

Week	Topic	Reading (from FPP)
8/23	Introduction, Histograms	Chap 3,4
8/30	Descriptive Statistics,	Chap 4,5
9/6	Design of Experiments	Chap 1,2,6
9/13	Probability	Chap 13,14
9/20	Probability	Chap 15,16
9/27	Probability	Chap 17,18
10/4	Sampling	Chap 19,20
10/11	Chance models for sampling	Chap 21–23
10/18	Review, Midterm	
10/25	Chance, Genetics	Chap 24,25
11/1	Tests of significance	Chap 26,27
11/8	Tests of significance	Chap 28,29
11/15	Correlation	Chap 8–10
11/22	Regression	Chap 11,12
11/29	Review	

Some comments on statistics:

“The true foundation of theology isto ascertain the character of God. It is by the aid of Statistics that law in the social sphere can be ascertained and codified, and certain aspects of the character of God thereby revealed. The study of statistics is thus a religious service.”

— Florence Nightingale

“There are three kinds of lies: lies, damned lies, and statistics.”

— Mark Twain