Syllabus for Stat 135: Concepts in Statistics, Spring 2018

Instructor: Hank Ibser
Office: 349 Evans
Office Hours: MW 10-12
Email: hankibser@berkeley.edu

Grading
Your final grade will be based on the following:
- 18% Homework (8 assignments due Friday at beginning of lab section most weeks as in schedule below)

- 18% Computer Labs (3 assignments due Tuesday 11:55pm on days in schedule)

- 12% Quizzes - four short (half hour) quizzes given Fridays during lab as in schedule

- 17% Midterm

- 35% Final Exam

  You may drop one HW before spring break. After spring break I think the HW is particularly important and so both HW will count after spring break. Also, if you do better on the final exam I will allow your final exam score to replace your midterm score, so the final exam would be worth 52% of your letter grade. A minimum of 30% of the class will get some kind of an A, 60% will get some kind of A or B, and 90% will get some kind of A, B, or C. If the class does particularly well I won't have a ceiling on the number of top grades, for example if half the class gets over 90% of the points, all those people will get A's.

  Submission of Lab assignments: Lab assignments will be accepted by electronic submission to bcourses only. Late homework will be accepted only for 48 hours after the due date and time. For every 3 minutes after the time due, you will lose 1%, up to a 20% deduction for assignments 1-24 hours late. For submissions between 24-48 hours late, there will be a 50% deduction. Changes to this policy are possible only by prior arrangement with the instructor. Deductions will be taken at the end of the semester, so they will not show up in your bcourses grade. Be sure to allow sufficient time to upload your files! If you ever have an emergency where you can't get to bcourses for some reason, email me your assignment so that I know when you completed it.

Academic Integrity

Code of Student Conduct is available at

Please discuss any issues with instructor or GSI. Keep the code you write to yourself. You are encouraged to ask questions of each other, but the information shared should be on the level of "You should try this function," not sending code to each other. Writing a program is like writing a paper.   A violation will result in one or more of the following: 0 on the assignment, F in the course, report to the office of student conduct.

Schedule

This is a tentative schedule for what topics and parts of the texts will be covered each week. The date under Week is the Monday of that week, although there are holidays on Jan 15 and Feb 19. For Reading, N stands for Nolan/Speed, the Stat Labs book. R is for Rice, Mathematical Statistics and Data Analysis. The numbers refer to the relevant chapters and sections. The reading should ideally be started before the lectures on that topic. The column for Assignments refers to what is due that week – HW is due in section Friday, Labs are due Tuesday night. Quizzes are in lab section, midterm is in lecture. Lecture will be held in RRR week on Monday only, Lab section will be on Friday as usual.

Wk (Mon)	Topic(s)	Reading	Assignments
15-Jan	Intro, Sampling Issues	N1	
22-Jan	Sampling, SRS	N2, R7.1-3	HW
29-Jan	Strat sampling	N3	HW
5-Feb	Finish Sampling	R7.5-6	Quiz
12-Feb	Estimation	N4	Lab Tues
19-Feb	More estimation	R8	HW
26-Feb	Testing	N5	HW, Quiz
5-Mar	Review, midterm Fri 3/9		No lab section
12-Mar	More testing	R9.1-6	
19-Mar	End Testing, Summarizing	R9.8,10	Lab Thurs, HW
26-Mar	Spring break		
2-Apr	Two samples	R11	HW, Quiz
9-Apr	Categorical data	R13	HW
16-Apr	Least Squares/Regression	N7,R14	HW
23-Apr	Multiple Regression	N10	Lab Thurs, Quiz