MATH 450
Introduction to Probability and Statistics III

Section 01 Room TBD MoWe 3:00PM - 4:15PM

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Office Hours: Holt 204 MoWe 2-2:50, Community Coding in MLIB 442 TuTh 2-3:50, or by appointment

Textbook

L. Wasserman. All of statistics: a concise course in statistical inference. Springer Science & Business Media, 2013.

Course Grading

Your final grade for this course will be given according to the $+/-$ grading system, based on the following percentages and scale: $90-100$, A; $80- < 90$, B; $70- < 80$, C; $60- < 70$, D; < 60, F.

Participation and Homework	60%
Quizzes	40%

Participation and Homework

Since this is an independent study course, most of your grade will be participation and homework. Each class period will consist of group discussions (hence participation), where students will go to the board to present solutions to worked problems. I expect you to work problems ahead of class, hence at home. In class, following presented problems, the class will discuss the solutions.

Quizzes

There will be occassional quizzes, meant to reinforce the main concepts from our in-class discussions. Quizzes will vary in length, from five minutes to a class period.

Tests

There will be no formal tests in this class. Or, I'm calling the tests "quizzes".

Make-Up Policy

Course work can only be made-up in the case of a documented absence. To receive credit you must notify me in advance, or in the case of emergency, as soon as possible (within roughly 24 hours). All undocumented absences will result in a zero.

Getting Help

- Work solutions with classmates.
- Please do come see me when you and your fellow classmates are stuck.

Diversity Policy

Respect: Students in this class are encouraged to speak up and participate during class meetings. Because the class will represent a diversity of individual beliefs, backgrounds, and experiences, every member of this class must show respect for every other member of this class.

Academic Integrity Policy

Students are permitted and encouraged to collaborate on all assignments other than examinations. However, each student must turn in their own work. Further, it is the expressed expectation of this instructor that all students demonstrate integrity and individual responsibility in all actions related to this course. Unethical behavior of any kind is unacceptable and will be prosecuted vigorously. Any sign of cheating in any way on any course exams or assignments will be addressed directly, according to university standards. If you do not understand what plagiarism is, or what cheating entails, you must seek information regarding this matter from the current University Catalog and from me. The consequences of plagiarism begin with a failing grade on the work, and possibly a failing grade in the course, depending upon university action. More information is found at http://catalog.csuchico.edu/viewer/15/STUDJUDAFFAIRS.html

Disability Support

If you have any disability related needs in terms of taking exams or other accommodations, please contact Disability Support Service (Colusa Hall 898-5959 or campus information 898-

INFO for directions) on campus to obtain the appropriate documentation. Afterwards, come by my office and identify your needs within the first two weeks of class so that any necessary arrangements can be made.

Course Outline

The course outline is tentative and subject to change upon student request, but I'd like to cover these chapters.

- Probability
- Random Variables
- Expectation
- Inequalities
- Convergence of Random Variables
- The Boostrap
- Parametric Inference
- Linear and Logistic Regression
- Probability Redux: Stochastic Processes
- Simulation Methods