STATISTICS 67 Fall 2023

Instructor: David Armstrong, Department of Statistics, Office: Donald Bren Hall 2241
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Please contact me via Email not through canvas

Office hours: Tuesdays And Thursdays: 9:30am – 10:30pm and 12:30pm – 1:50pm

Website: Our class website is a Canvas page https://canvas.eee.uci.edu/ The website has general information and will be updated regularly with homework assignments and other useful information.

Teaching: The quarter will be a combination of asynchronous class (no scheduled work times) as well as synchronous content delivery. Videos of lecture materials will be posted on canvas which you are responsible for watching before our scheduled class.

Textbooks: *OpenIntro Statistics: 4th edition. David Diez, Mine Cetinkaya-Rundel, and Christopher Barr*

https://www.openintro.org/book/stat/

https://leanpub.com/openintro-statistics

Course Goals and material to be covered: Introduce basic concepts of probability and statistical inference with discussion of applications to the applied sciences. Topics include basic probability, conditional probability, random variables, common distributions (discrete and continuous), and statistical inference (estimation, tests, regression).
We will use R to perform simple probability calculations and simulations.

Prerequisite: The listed prerequisite for the class is MATH 2B (Calculus). We will deal with any issues with regards to this prerequisite as we come across them.

Computing: We are using free statistical software called R. You can download these onto your own computer (PC and Mac). Instruction will be provided in class and/or in discussion sections. The programs are available in the ICS computer labs as well, but to use them there you need to set up an account with ICS. Instructions for doing so are provided at this link: http://www.ics.uci.edu/~lab/students/acct_activate.php.

To download go to https://r-project.org and download from a CRAN mirror. You can find the link on the left hand side of the site. Download from a place in the USA, I got mine from Berkley. If you need additional help, please speak with your TA about installing the program.

GRADING:

Video Quizzes: (10%): Video Quizzes will be assigned through Canvas. Canvas assignments are optimized for internet browsers Chrome and Firefox. If you use another internet browser, you may not be able to see the math type. Please take the assignments using either of those browsers. If math formulas do not appear on canvas for you, close the assignment and revisit it with another browser. Video quizzes are due 10:00pm PST on the indicated date.

Lecture Assignment: (25%): Lecture assignments will be assigned through Canvas. Canvas assignments are optimized for internet browsers Chrome and Firefox. If you use another internet browser, you may not be able to see the math type. Please take the assignments using either of those browsers. If math formulas do not appear on canvas for you, close the assignment and revisit it with another browser. There are a few lecture assignments that will be submitted through gradescope. Lecture assignments are due 10:00pm PST on the indicated date.

Homework (15%): Homework will be assigned regularly during the quarter. Due dates for each homework assignment will be posted on the homework and/or class website. Homework is to be submitted via gradescope. Video quizzes are due 10:00pm PST on the indicated date.

Course Quizzes: (50%) Course Quizzes will be issued via Canvas. Canvas assignments are optimized for internet browsers Chrome and Firefox. If you use another internet browser, you may not be able to see the math type. Please take the assignments using either of those browsers. If math formulas do not appear on canvas for you, close the assignment and revisit it with another browser. There are no make up quizzes. There are a total of 6 quizzes and I will count the top 5 scores.

Homework Honesty Policy: Although you are encouraged to study with other students and to discuss homework and lecture assignments with them, you are each expected to do your own work, including your own computing work and R code. You are expected to take the quizzes by yourself and not discuss the material with other students. *Violations of these expectations will result in forwarding your name for disciplinary action.*

Classroom Etiquette:
1. I make every effort to start and end on time. Please respect the 80 minutes of class time. Please silence your cell phones when you enter the room.
2. Please be respectful of other students.

Syllabus is subject to change at any time.