STA 13 Elementary Statistics

Fall 2021

Instructor:	Xiner Zhou	**Time:**	MWF 4:10 PM - 5:00 PM
Email:	xezhou@ucdavis.edu	**Location:**	ROCK 194

Teaching Assistants and Discussion Sessions:

Zhentao Li ..... ztlli@ucdavis.edu ..... OLSON 125 ..... C01 T 8 - 8:50 AM
Jing Lyu .....jjlyu@ucdavis.edu .....WICKSN 1038 .....C04 T 11 -11:50AM
Wei Du ..... wedu@ucdavis.edu ..... HOAGLD 113 ..... C07 T 2:10 - 3:00 PM
Wei Du ..... wedu@ucdavis.edu ..... OLSON 105 ..... C08 T 3:10 - 4:00 PM

Course Pages:

- Canvas: All the course material will be posted on canvas, make sure you notifice whenever an annoucement or email is sent via canvas.
- Discord for communication among students, TAs and instructor.
  - You can use session-specific channels or general channel to discuss any questions related or not-related to the course.
  - If you have private messages for TAs and the instructor, you can pin on that individual and start a private conversation.
  - TAs and the instructor will likely not respond immediately as they have their own work to do, but the expectation is to reply within 24-hour at least.
  - Email is not the best way to reach TAs and instructors, as there are too many students in the class.
  - Please use the following link to join the class server `https://discord.gg/sWcaspxASY`
  - We will be sharing the discord with STA13 D, which have the same class materials, such as lecture notes, assignments, and exams. So many information can be shared and discussed together.

Office Hours: Start from week 2, zoom link will be set under zoom section on canvas.

Xiner ..... online ..... Mondays 7 - 8PM
Jing Lyu .....online ..... Monday 2-3PM
Wei Du .....online ..... Thursday 9-11AM
Zhentao Li ..... online ..... Tuesday 8-9 PM

References: No textbook is required, only recommend if you like to read. The textbooks are all lengthy, and may/may not be the best place to start learning depends on personal preference.

- William Mendenhall, Robert J. Beaver, Barbara M. Beaver *Introduction to Probability and Statistics 15th Edition*

Prerequisites: two years of high school algebra or Mathematics D.

Tentative Course Outline:

- Topic 1: Introduction to Statistixs Describing Data with Graphs and Numerical Measures (week 1)
- Topic 2: Introduction to Probability (week 2-3)
- Topic 3: Random Variables and Some Important Distributions (week 4-5)
- Topic 4: Sampling Distribution and Large-sample Estimation (week 6-7)
- Topic 5: Hypotheses Testing (week 8-9)
- Topic 6: Introduction to Simple Linear Regression (week 10)

Grading Policy:

- Homework assignments (30%):
  - There will be 6 assignments corresponding to 6 lecture topics/chapters (each counted as 5% of final grades), the due date will be set a few days after finishing each topic.
  - Assignments are important: the exams will be variation of the problems you see in assignments, no unexpected traps! If you have done assignments before exams, you shouldn't be worried.
  - The grading of the assignments will roughly be as follows:
    - Done excellently with no or minor mistakes – 5 points
    - Show enough effort but with major mistakes – 4 points
    - Submit and show some effort – 3 points
    - Submit but did not show enough effort – 2 points
    - No submission – 0 point
- Midterm (35%): cover topic 1-3
- Final (35%): cover topic 4-6

The final letter grade will

Important Dates:

Midterm Exam ..... Week 5-6 To be determined
Final Exam 12/08/2021

Course Policy:

- COVID: We follow university COVID-related rules.

- online and in-person Though we are officially back on-campus, physical attendance is not required and is not part of grading.
- video recordings will be uploaded to canvas the same of the class. For those who prefer online instruction or review lectures afterward, it's perfect fine with me. Do not feel pressured to come in-person if either you prefer online instruction or you feel sick.
- If you're sick, especially COVID related, please stay at home.
- The discussion sessions lead by TAs will not have extra material, the purpose of the discussions is to help you better understand the assignments. I will pick 1-2 questions for TAs to explain but not give away the answers (which is less important), but you're welcome to bring up any questions you may have during the discussion, either for lectures or assignments. All discussion sessions are the same, you're not bound by the one on registration, please go to any one that works for you.
- Feedback and Suggestions: We appreciate your feedback! Anything that could make your learning better.

Academic Honesty:

Academic misconduct on exams or other coursework

* Copying or attempting to copy from another student, allowing another student to copy, or collaborating on an exam
* Displaying or using any unauthorized material such as notes, cheat-sheets, or electronic devices
* Looking at another student's exam
* Not following an instructor's directions
* Talking, texting or communicating during an exam
* Altering assignments or exams for re-grading purposes
* Bringing pre-written answers to an exam
* Having another person take an exam for you, or taking an exam for another student
* Theft of academic work
* Unexcused exit and re-entry during an exam period

Plagiarism

* Taking credit for any work created by another person; work includes, but is not limited to books, articles, experimental methodology or results, compositions, images, lectures, computer programs, internet postings
* Copying any work belonging to another person without indicating that the information is copied and properly citing the source of the work
* Using another person's presentation of ideas without putting such work in your own words or form and/or failing to provide proper citation
* Creating false citations that do not correspond to the information you have used
* Representing your previous work as if it is new work

Unauthorized collaboration

* Working together on evaluated coursework without permission of the instructor
* Working with another student beyond the limits set by the instructor
* Providing or obtaining unauthorized assistance on graded coursework

Misuse of an instructor's course materials or the materials of others

* Posting, purchasing, obtaining, sharing, or copying any course materials of an instructor without the explicit written permission of that instructor
* Unauthorized use of another student's work

Lying or fraud

* Giving false excuses to obtain exceptions for deadlines, to postpone an exam, or for other reasons
* Forging signatures or submitting documents containing false information
* Making false statements regarding attendance at class sessions, requests for late drops, incomplete grades, or other reasons

Intimidation or disruption

* Pressuring an instructor or teaching assistant to regrade work, change a final grade, or obtain an exception such as changing the date of an exam, extending a deadline, or granting an incomplete grade
* Refusing to leave an office when directed to do so
* Physically or verbally intimidating or threatening an instructor, teaching assistant or staff person, including invading personal space, or engaging in any form of harassment
* Repeatedly contacting or following an instructor, teaching assistant or staff person when directed not to do so
* Misusing a classroom electronic forum by posting material unrelated to the course
* Interfering with an instructor's or teaching assistant's ability to teach a class, or interfering with other students' participation in a class