

Syllabus

(last updated: September 24, 2025)

Instructor: Professor Akira Horiguchi (he/him) (✉ ahoriguchi@ucdavis.edu)

TA: Qiqi Liu (✉ qqiliu@ucdavis.edu)

Presence times

- Lecture: MWF 12:10 PM – 1:00 PM (📍 Olson 158)
- Discussion: R 11:00 AM – 11:50 AM (📍 TLC 2212)

Prerequisites: *STA 035B* C- or better; (*MAT 016B* C- or better or *MAT 017B* C- or better or *MAT 021B* C- or better)

Questions

- For all questions related to the lecture content that you think are not to be assigned to the discussion session, please ask during or after the lecture, or during my office hours. Please don't be shy about this.
- There will be a virtual option to attend the office hours of the instructor and TAs.
- *If not in person, please ask your non-sensitive questions on Piazza*, from which other students can see responses from the Instructor or TA. Emailing the Instructor or TA should be reserved only for sensitive or unanswered questions.
- All questions concerning discussion material are to be asked in the discussion session if possible. Ask the TA for further questions regarding the discussion content which could not be clarified during the discussion session, with other students, or in Piazza.

Notes about lecture

- Unannotated slides are uploaded before the lecture.
- Annotated slides and R code are uploaded up to one day after the lecture.
- Lectures will be recorded. See the “My Media” tab on Canvas.
- Lecture attendance is optional (except for exams).

Homework

- The purpose of the homework is for you to learn to apply the material from class. **Homework assignments will be graded for completion**, which means it will be your responsibility to check the correctness of your own homework. Solutions for each homework assignment will be uploaded after the assignment's deadline.

Discussion

- The discussion session is exclusively there to deepen the lecture content. There will be no further assessment in the discussion session. Mainly the contents of the exercises and lectures are discussed, but also other topics that can be important as a basis or also as an outlook on further lecture content.
- We are interested in your ability to accurately communicate mathematical and statistical content. So please take the opportunity to communicate your own ideas and questions and also be prepared to present your solutions to the group.

Grading

Grade:	A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-
for scoring \geq :	95.0%	85.0%	80.0%	75.0%	65.0%	60.0%	55.0%	45.0%	40.0%	35.0%	25.0%	20.0%

- Grading scheme
 - Homework assignments: 5%
 - Two midterm exams: $2 \times 25\% = 50\%$ (written in class)
 - Final exam: 45%
- To be fair to everyone in the class, single student's grades cannot be raised. Please avoid asking about raising scores.

Exams

- For the midterm exams, except for a pen/pencil, one hand-written sheet of paper (both-sided), and a calculator (no graphs needed), no other materials are necessary.
- For the final exam, except for a pen/pencil, two hand-written sheets of paper (both-sided), and a calculator (no graphs needed), no other materials are necessary.
- Further information about the materials that can be taken for the midterm exams and the final exam, as well as other information concerning these exams, will be given in the lecture and also in the announcement section in Canvas.

Code of conduct

- Students must adhere to the UC Davis code of conduct ([🔗 ossja.ucdavis.edu/code-academic-conduct](https://ossja.ucdavis.edu/code-academic-conduct)). Violations of the code of conduct include (but are not limited to) communicating and collaborating during midterm exams, copying, attempting to copy and letting someone copy a graded assignment, doing someone else's homework/exam, having someone else doing one's homework/exam, sharing homework/exams, and submitting work that is not yours. The fact that the violation did not benefit you directly, does not mean that it is less important.
- One of the responsibilities delegated to faculty by the UC Davis Code of Academic Conduct is to report suspected academic misconduct to the Office of Student Support and Judicial Affairs (OSSJA). Thus, any violation will be reported, and students found guilty will get an F, no matter the extend and type of their violation. Please, do not do it.

Course materials: My lectures and course materials, including lecture notes and discussions etc., are protected by U.S. copyright law and by University policy. I and the TA are the exclusive owner of the copyright in those materials created. You may take notes, make copies of course materials for your own use, and share those materials with other students enrolled in or auditing this course. However, you may not reproduce, distribute or display (post/upload) lecture notes or course materials in any other way – whether or not a fee is charged – without my express prior written consent. You also may not allow others to do so. If you do so, you may be subject to student conduct proceedings under the UC Davis Code of Academic Conduct. Similarly, you own the copyright in your original papers and exam essays. If I am interested in posting your answers or papers on the course web site, I will ask for your permission.

Changes to syllabus: The syllabus may be updated based on the Instructor's discretion. Changes may, for instance, result due to students' progress in the course or changes in instructional priorities.

Acknowledgment: The course material is to a large extent based on the book by James et al. (2021), and on the content taught in STA 35C past quarters by Akira Horiguchi and Sebastian Kühnert.