Stats 117
Theory of Probability I
SUMMER 2024

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Course Objectives
We will be discussing the foundations of probability, discrete random variables, and continuous random variables.
We are covering Chapters 1 – 25 of the textbook.

Textbook
[Introduction to Probability by Sun, Kim, and Sood]

Homework
Problem sets will be posted on Canvas each week by Wednesday and they should be submitted electronically to Gradescope by 10:00 a.m. Stanford local time the following Wednesday. Solutions will be posted on Canvas shortly after the submission deadline; NO LATE SUBMISSIONS WILL BE ACCEPTED due to solutions being posted at 10:01 a.m.

Out of the 210 total points (7 total psets), the total will be capped out of 180 points.
Homework will be graded by Tuesday. Please look over your graded homework and solutions posted on Canvas quickly; the deadline for filing a regrade request on Gradescope is 5 p.m. Stanford local time the Friday the week after the pset was due.
You are encouraged to work together with your classmates on the psets, but you must write up your own solutions. Please write the name(s) of your collaborator(s) on the psets. You may lose points for unclear work. Keep in mind that simply copying solutions from another solution or from a solution manual is a waste of everybody’s time and also a violation of the Stanford Honor Code.

Sections
While attendance is not mandatory, it is highly recommended.
Probability is a tough subject; it will help significantly to be exposed to several problems!
Exams

There will be two in-person exams. The dates are:

1. **Midterm Exam.** Tuesday, July 30, 7:00 p.m. – 9:00 p.m.
2. **Final Exam.** Friday, August 16, 8:30 a.m. – 10:30 a.m.

Each student is allowed to bring one 8.5 × 11-inch piece of paper (regular printer paper) to each exam on which they can put, on both sides, whatever material they wish from the course coverage (definitions, formula, theorems, results, etc.) as an Exam Reference Sheet to be used by the student during the exam.

With the exception of the Exam Reference Sheet, all exams for Stats 117 are closed-book and closed-notes. Use of calculators is permitted; no other electronic aids are allowed.

If an emergency occurs and you need to miss an exam, contact us as soon as possible. Per department policy, there are no make-up exams.

The exams will be graded by Monday and the deadline for filing a regrade request is 11:59 p.m. on Friday the week after the original exam.

### Grading Breakdown

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework</td>
<td>30%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>30%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>40%</td>
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### Honor Code

The Stanford Honor Code was composed by students in 1921 (updated in 2023), and expresses the university’s expectations for academic integrity. Please read it [here](#). Together with the [Fundamental Standard](#) these documents lay out the rights and responsibilities of Stanford students, in particular with regard to their academic behavior. Some key points:

- Students cannot submit the same written work for different classes.
- Plagiarism (copying passages from other people’s work without attribution) is forbidden.
- Having someone else complete an assignment for you is forbidden.
- The use of or consultation with [generative AI](#) will be treated analogously to assistance from another person.

### Office of Accessible Education

Stanford is committed to providing equal educational opportunities for disabled students. Disabled students are a valued and essential part of the Stanford community. We welcome you to our class.

If you experience disability, please register with the Office of Accessible Education (OAE). Professional staff will evaluate your needs, support appropriate and reasonable accommodations, and prepare an Academic Accommodation Letter for faculty. To get started, or to re-initiate services, please visit [oae.stanford.edu](http://oae.stanford.edu).

If you already have an Academic Accommodation Letter, we invite you to share your letter with the instructor. Academic Accommodation Letters should be shared at the earliest possible opportunity so we may partner with you and OAE to identify any barriers to access and inclusion that might be encountered in your experience of this course.