Stat 315, Fall 2025

Statistics I

Luc Rey-Bellet

Instructor

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Class Meeting

- Section 2: LGRC A203, MWF 12:20 PM –1:10 PM
- Section 4: LGRC A201, MWF 1:25 PM – 2:15 PM

Office hours

- W 3:00-4:00 PM in LGRT 1423 K or on ZOOM
- Th 1:00 PM-2:00 on ZOOM
- By appointment is always possible and welcome and/or ask your questions be email.

Syllabus

Detailed class information are in the Class Syllabus

Basic Course information

- There is a single canvas page common for all sections where you will submit your **hand-written** weekly homework and do your 5 quizzes.
- Homework is due on Thursdays at 11:59 PM except on the dates of the two midterms, Th October 9 and Th November 13.
- We use Piazza as a class forum and Gradescope for the exam.
- Grade: 25% homework, 25% quiz, 25% midterm, 25% final

A	A−	B+	B	B−	C+	C	C−	D +	D	F
93	89	85	80	75	70	65	60	55	50	<50

Class slides

The slides are continuously updated and you should use these links for the latest version.

- Slides00-Syllabus
- Slides01-Probability Basics
- Slides02-Counting
- Slides03-Conditional Probability
- Slides04-Conditioning and Bayes rule
- Slides05-Random variables and expected value
- Slides06-Functions of random variables and variance
- Slides07-Binomial random variables
- Slides08-Geometric and negative binomial random variables
- Slides09-Hypergeometric random variables
- Slides10-Poisson random variables
- Slides11-Joint discrete random variables: pdf and independence
- Slides12-Joint discrete random variables: covariance
- Slides13-Continuous random variables
- Slides14-Uniform random variables
- Slides15-Normal random variables

- Slides16-Exponential and gamma random variables
- Slides17-Joint continuous random variables
- Slides18-Conditional expectation
- Slides19-Moment generating functions
- Slides20-Chebyshev inequality
- Slides21-Function of RV: CDF method
- Slides22-Function of RV: MGF method
- Slides23-Law of Large Numbers
- Slides24-Central Limit Theorem