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 in LGRT 1423 K or 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 **handwritten** 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.

- Grade: 25% homework, 25% quiz, 25% midterm, 25% final

Class slides

- 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 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 random variables

- Slides17-Joint continuous random variables

- Slides18-Conditional expectation

- Slides19-Moment generating functions

- Slides20-Chebyshev inequality

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Weekly syllabus (subject to adjustments)

Week	Sections (Class)	Comments
#1: 1/30	2.1-2.3	
#2: 2/4, 2/6	2.4-2.7.	Add/Drop 2/5
#3: 2/11, 2/13	2.8-2.12.	
#4: 2/18,	2.12, 3.1-3.3	**Quizz 1** (2/18): 2.1-2.8
#5: 2/25, 2/27	3.4-3.8.	
#6: 3/4, 3/6	5.1-5.8 discrete	
#7: 3/11,3/13	4.1-4.6	**Quizz 2** (3/11): 2.9-2.12,3.1-3.8
Spring Break		Relax and enjoy!
#8: 3/25, 3/27	4.1-4.6, 5.2-5.4	**Quizz 3**(3/27):
#9: 4/1, 4/3	5.5-5.8,	Drop with W 4/3
#10: 4/8, 4/10	5.11 -3.9, 3.11	**Quizz 4** (4/10)
#11: 4/15, 4/17	4.9-4.10.	
#12: 4/22, 4/24	6.3-6.5	**Quizz 5** (4/24)
#13: 4/29, 5/1	7.3, 7.5 + LLN	
#14: 5/6, 5/8	7.2, Review	**Quizz 6** (5/8)
#15: 5/15		**Final**

Grading Scheme

- Quizzes: 35%
- Final exam: 30%
- WebAssign Homework: 30%
- In-class attendance/particpation: 5%
- Number-to-letter conversion: These cutoffs might be slightly adjusted, but only in the downward direction, after the final exam.

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

Drop, Withdrawal, and Incomplete

- The last day to drop/add with no record is February 5th.
- The last day to drop with a W is April 3th.
- An incomplete is possible only if all of the following apply: (1) you have a compelling personal reason, e.g., serious illness; (2) your work so far would receive a passing grade; and (3) there is a good chance you will complete the course with a passing grade within the allotted time. Thus, *expecting to fail the class is no reason to ask for an incomplete.*