



MITx: 6.041x Introduction to Probability - The Science of Uncertainty



Bookmarks



Bookmark

▼ Unit 0: Overview

Lec. 0: Course overview

Course introduction,
objectives, and study
guide

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Textbook information

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► Unit 1: Probability models and axioms

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CALENDAR

TUESDAY	WEDNESDAY	FRIDAY
2/2 Unit 1 released: Probability models and axioms (Secs. 1.1-1.2)	2/3	2/5 Unit 2 released: Conditioning and independence (Secs. 1.3-1.5)
2/9	2/10 Problem Set 1 due	2/12 Unit 3 released: Counting (Sec. 1.6)
2/16	2/17 Problem Set 2 due	2/19 Unit 4 released: Discrete r.v.'s (Ch. 2)
2/23	2/24 Problem Set 3 due	2/26 Unit 5 released: Continuous r.v.'s (Secs. 3.1-3.5)
3/1	3/2 Problem Set 4 due Exam 1 released	3/4
3/8	3/9 Exam 1 due	3/11 Unit 6 released: Further topics on r.v.'s (Secs. 4.1-4.3, 4.5)
3/15	3/16 Problem Set 5 due	3/18
3/22	3/23	3/25

- ▶ Unit 2: Conditioning and independence
- ▶ Unit 3: Counting
- ▶ Unit 4: Discrete random variables
- ▶ Exam 1
- ▶ Unit 5: Continuous random variables
- ▶ Unit 6: Further topics on random variables
- ▶ Unit 7: Bayesian inference
- ▶ Exam 2
- ▶ Unit 8: Limit theorems and classical statistics
- ▶ Unit 9: Bernoulli and

		Unit 7 released: Bayesian inference (Secs. 3.6, 8.1-8.4)
3/29	3/30 Problem Set 6 due	4/1
4/5	4/6 Problem Set 7a due	4/8 Unit 8 released: Limit theorems and classical statistics (Secs. 5.1-5.4, pp. 466-475)
4/12	4/13 Problem Set 7b due Exam 2 released	4/15
4/19	4/20 Exam 2 due	4/22 Unit 9 released: Bernoulli and Poisson processes (Secs. 6.1-6.-2)
4/26	4/27 Problem Set 8 due	4/29 Unit 10 released: Markov chains (Secs. 7.1-7.4)
5/3	5/4	5/6
5/10	5/11 Problem Set 9 due	5/13
5/17	5/18 Problem Set 10 due Final Exam released	5/20
5/24 Final Exam due	5/25	5/27

Poisson processes

- ▶ Unit 10: Markov chains
- ▶ Exit Survey

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