

About the Course

Probability and Statistics

Kuan-Yu Chen (陳冠宇)

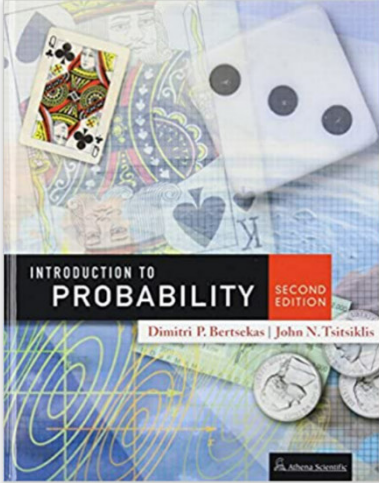
References

- Dimitri P. Bertsekas and John N. Tsitsiklis, Introduction to Probability (2nd Edition), Athena Scientific, 2008
 - <http://athenasc.com/probbook.html>

Introduction To Probability 2nd Edition





by [Dimitri P. Bertsekas](#) (Author), [John N. Tsitsiklis](#) (Author)

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2/23	Probability Models
2/25	Conditional Probability
3/2	Total Probability Theorem, Bayes' rule and Independence
3/4	Independence of Events & Counting
3/9	Discrete Random Variable Basics and Probability Mass Functions
3/11	Quiz 1
3/16	Discussion on Quiz 1
3/18	Functions of Random Variables & Expectation, Mean and Variance
3/23	Special Random Variables & Joint PMFs of Multiple Random Variables
3/25	Conditional PMF
3/30	Independence
4/1	Holiday for our School Celebration
4/6	Special Random Variables
4/8	Quiz 2
4/13	Discussion on Quiz 2

4/15	Continuous Random Variable Basics and PDFs
4/20	Cumulative Distribution Functions
4/22	Special Continuous Random Variables
4/27	Joint PDFs of Multiple Random Variables & Conditioning
4/29	Conditioning and Independence
5/4	The Bayes' Rule
5/6	Quiz 3
5/11	Discussion on Quiz 3
5/13	Invited Talk
5/18	Covariance and Correlation
5/20	Conditional Expectation and Variance Revisited
5/25	Transforms
5/27	Quiz 4

Tentative Grading

- Quizzes: 90%
 - We have 4 quizzes (15%, 20%, 25%, 30%)
- Homework: 10%
- Attend the Talk: 5%
- Instructor: Kuan-Yu Chen (陳冠宇)
 - T4-508
 - kychen@mail.ntust.edu.tw
 - (02) 2737-6377

Questions?



kychen@mail.ntust.edu.tw