

LIST OF TOPICS FROM [1] (DATES ARE TENTATIVE)

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1.3 Distributions	Jan. 10
1.3	Jan. 12
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1.5 Bayes' rule	Jan. 19
1.6 Sequences of events	Jan. 22
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2.2 Normal approximation	Jan. 27
2.4 Poisson approximation	Jan. 29
2.5 Random sampling	Jan. 31
3.1 Random variables	Feb. 2
3.2 Expectation	Feb. 5
Probability generating function	Feb. 7
3.3 Standard deviation and normal approximation	Feb. 9
3.4 Discrete distributions	Feb. 12
3.5 The Poisson approximation	Feb. 14
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4.2 Exponential and Gamma distributions	Feb. 23
Moment generating function	Feb. 26
4.3 Hazard rates	Feb. 28
4.4 Change of variable	Mar. 2
4.5 Cumulative Distribution Functions	Mar. 5
4.6 Order statistics	Mar. 7
5.1 Uniform distributions	Mar. 9
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5.2 Densities	Mar. 19
5.3 Independent Normal variables	Mar. 21
5.4, 5.5 Operations	Mar. 23
6.1 Conditional distributions: discrete case	Mar. 26
6.2 Conditional expectation: discrete case	Mar. 28
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6.4 Covariance and correlation	April. 6
6.5 Bivariate normal	April. 9
Chi-square	April. 11
Chi-square	April. 13
Chi-square	April. 16
Other topics and final review	April. 18,20,23

FINAL EXAM **late April**

REFERENCES

- [1] Jim Pitman, Probability, Springer texts in statistics.