

## M378K: Topics for In-Term One

☐ Definition of probability.

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☐ Basic properties of probability.

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☐ Conditional probability and its properties.

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☐ Independence.

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☐ Bayes' theorem.

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☐ Cumulative distribution function.

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☐ Quantiles.

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☐ Discrete distributions with emphasis on Bernoulli, binomial, and Poisson.

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☐ Continuous distributions with emphasis on uniform, normal and exponential.

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☐ Expectation.

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☐ Variance.

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☐ Random vectors.

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