

Schedule

A week-by-week breakdown of the material.

Week 1 (01/05-01/09)

Day 1 Basic Terminology¹

Day 2 Lab 1²

Day 3 Visualizing Variables³

Day 4 Percentiles⁴

Week 2 (01/12-01/16)

Day 1 Measures of Center⁵

Measures of Spread⁶

Day 2 Lab 2⁷

Day 3 Linear Transformations⁸

Density Curves⁹

Day 4 The Normal Distribution¹⁰

Week 3 (01/19-01/23)

Day 1 Relationships between two variables¹¹

Day 2 Lab 3¹²

Day 3 Scatterplots and Correlation¹³

Day 4 General Theory on Modeling and Data Fitting¹⁴

¹[notes/basic_terminology.html](https://www.coursera.org/learn/statistics/lecture/1-terminology)

²[labs/1.html](https://www.coursera.org/learn/statistics/lab/1-lab)

³[notes/visualizing_distributions.html](https://www.coursera.org/learn/statistics/lecture/3-visualizing-distributions)

⁴[notes/percentiles.html](https://www.coursera.org/learn/statistics/lecture/4-percentiles)

⁵[notes/measures_center.html](https://www.coursera.org/learn/statistics/lecture/5-measures-center)

⁶[notes/measures_spread.html](https://www.coursera.org/learn/statistics/lecture/6-measures-spread)

⁷[labs/2.html](https://www.coursera.org/learn/statistics/lab/2-lab)

⁸[notes/linear_transformations.html](https://www.coursera.org/learn/statistics/lecture/8-linear-transformations)

⁹[notes/density_curves.html](https://www.coursera.org/learn/statistics/lecture/9-density-curves)

¹⁰[notes/normal_distribution.html](https://www.coursera.org/learn/statistics/lecture/10-normal-distribution)

¹¹[notes/relationships.html](https://www.coursera.org/learn/statistics/lecture/11-relationships)

¹²[labs/3.html](https://www.coursera.org/learn/statistics/lab/3-lab)

¹³[notes/scatterplot_correlation.html](https://www.coursera.org/learn/statistics/lecture/13-scatterplot-correlation)

¹⁴[notes/modeling_general.html](https://www.coursera.org/learn/statistics/lecture/14-modeling-general)

Week 4 (01/26-01/30)

Day 1 Linear Models and Regression Lines¹⁵

Day 2 Lab 4¹⁶

Day 3 The question of causation¹⁷

Day 4 Introduction to Probability¹⁸

Week 5 (02/02-02/06)

Day 1 Review

Day 2 **MIDTERM**

Day 3 Introduction to Probability (cont)¹⁹

Day 4 Independent Events²⁰

Week 6 (02/09-02/13)

Day 1 Probability rules²¹

Day 2 Catchup

Day 3 Tree Diagrams²²

Day 4 Tree Diagrams (cont)²³

Week 7 (02/16-02/20)

Day 1 Snow day

Day 2 Probability Practice

Day 3 Probability Practice

Day 4 Probability Practice

Week 8 (02/23-02/27)

BREAK

¹⁵[notes/linear_regression.html](#)

¹⁶[labs/4.html](#)

¹⁷[notes/correlation_causation.html](#)

¹⁸[notes/probability_intro.html](#)

¹⁹[notes/probability_intro.html](#)

²⁰[notes/independent_events.html](#)

²¹[notes/probability_rules.html](#)

²²[notes/decision_trees.html](#)

²³[notes/decision_trees.html](#)

Week 9 (03/02-03/06)

Day 1 Random Variables²⁴

Day 2 Lab Practice

Day 3 Snow Day

Day 4 The Binomial Setting and Distribution²⁵

Week 10 (03/09-03/13)

Day 1 Mean and Standard Deviation of Random Variables²⁶

Day 2 Mean and Standard Deviation of Random Variables (cont)²⁷

Day 3 Combining Random Variables²⁸

Day 4 Combining Random Variables (cont)²⁹

Week 11 (03/16-03/20)

Day 1 Review / Catchup

Day 2 Lab: Work on Projects³⁰

Day 3 **MIDTERM** (study guide³¹)

Day 4 Mean and Standard Deviation of the Binomial³²

Week 12 (03/23-03/27)

Day 1 Binomial: Approximating by Normal³³

Day 2 Work on Projects

Day 3 The Sample Mean / IID Setting³⁴

Day 4 The Sample Mean / IID Setting (cont)³⁵

Week 13 (03/30-04/03)

Day 1 Inference I: Confidence Intervals³⁶

²⁴[notes/random_variables.html](#)

²⁵[notes/binomial.html](#)

²⁶[notes/rv_mean.html](#)

²⁷[notes/rv_mean.html](#)

²⁸[notes/rv_combine.html](#)

²⁹[notes/rv_combine.html](#)

³⁰[labs/projectAnalysisSteps.html](#)

³¹[notes/midterm2_study_guide.html](#)

³²[notes/binomial_mean.html](#)

³³[notes/binomial_mean.html](#)

³⁴[notes/iid_setting.html](#)

³⁵[notes/iid_setting.html](#)

³⁶[notes/confidence_intervals.html](#)

Day 2 Inference I: Confidence Intervals (cont)³⁷

Day 3 Inference II: Hypothesis Tests³⁸

Day 4 Inference II: Hypothesis Tests (cont)³⁹

Week 14 (04/06-04/10)

Day 1 TBA

Day 2 TBA

Day 3 TBA

Day 4 TBA

³⁷[notes/confidence_intervals.html](#)

³⁸[notes/hypothesis_tests.html](#)

³⁹[notes/hypothesis_tests.html](#)