

Schedule

A week-by-week breakdown of the material.

Week 1 (09/07-9/11)

Day 1 Basic Terminology¹

Day 2 Lab 1²

Day 3 Visualizing Variables³

Day 4 Percentiles⁴

Week 2 (09/14-09/18)

Day 1 Measures of Center⁵

Day 2 Lab 2⁶

Day 3 Measures of Spread⁷

Day 4 Linear Transformations⁸

Week 3 (09/21-09/25)

Day 1 Density Curves⁹

The Normal Distribution¹⁰

Day 2 Lab 3¹¹

Day 3 The Normal Distribution (cont)¹²

Day 4 The Normal Distribution (cont)¹³

Week 4 (09/28-10/02)

Day 1 Relationships between two variables¹⁴

¹[notes/basic_terminology.html](#)

²[labs/1.html](#)

³[notes/visualizing_distributions.html](#)

⁴[notes/percentiles.html](#)

⁵[notes/measures_center.html](#)

⁶[labs/2.html](#)

⁷[notes/measures_spread.html](#)

⁸[notes/linear_transformations.html](#)

⁹[notes/density_curves.html](#)

¹⁰[notes/normal_distribution.html](#)

¹¹[labs/3.html](#)

¹²[notes/normal_distribution.html](#)

¹³[notes/normal_distribution.html](#)

¹⁴[notes/relationships.html](#)

Scatterplots and Correlation¹⁵

Day 2 Lab 4¹⁶

Day 3 General Theory on Modeling and Data Fitting¹⁷

Day 4 Linear Models and Regression Lines¹⁸

Week 5 (10/05-10/09)

Day 1 Review

Day 2 **MIDTERM** (study guide¹⁹)

Day 3 The question of causation²⁰

Day 4 Introduction to Probability²¹
Introduction to Probability (cont)²²

Week 6 (10/12-10/16)

Day 1 Independent Events²³

Day 2 Probability rules²⁴

Day 3 Tree Diagrams²⁵

Day 4 Tree Diagrams (cont)²⁶

Week 7 (10/19-10/23)

Day 1 Fall Break

Day 2 Probability Practice

Day 3 Probability Practice

Day 4 Probability Practice

¹⁵[notes/scatterplot_correlation.html](#)

¹⁶[labs/4.html](#)

¹⁷[notes/modeling_general.html](#)

¹⁸[notes/linear_regression.html](#)

¹⁹[notes/midterm1_study_guide.html](#)

²⁰[notes/correlation_causation.html](#)

²¹[notes/probability_intro.html](#)

²²[notes/probability_intro.html](#)

²³[notes/independent_events.html](#)

²⁴[notes/probability_rules.html](#)

²⁵[notes/decision_trees.html](#)

²⁶[notes/decision_trees.html](#)

Week 8 (10/26-10/30)

Day 1 Random Variables²⁷

Day 2 Lab Practice

Day 3 The Binomial Setting and Distribution²⁸

Day 4 Mean and Standard Deviation of Random Variables²⁹

Week 9 (11/02-11/06)

Day 1 Mean and Standard Deviation of Random Variables (cont)³⁰

Day 2 Combining Random Variables³¹

Day 3 Combining Random Variables (cont)³²

Day 4 Review / Catchup

Week 10 (11/09-11/13)

Day 1 **MIDTERM** (study guide³³)

Day 2 Lab: Work on Projects³⁴

Day 3 Mean and Standard Deviation of the Binomial³⁵

Day 4 Binomial: Approximating by Normal³⁶

Week 11 (11/16-11/20)

Day 1 The Sample Mean / IID Setting³⁷

Day 2 Work on Projects

Day 3 The Sample Mean / IID Setting (cont)³⁸

Day 4 Inference I: Confidence Intervals³⁹

Week 12 (11/23-11/27)

Day 1 Inference I: Confidence Intervals (cont)⁴⁰

²⁷[notes/random_variables.html](#)

²⁸[notes/binomial.html](#)

²⁹[notes/rv_mean.html](#)

³⁰[notes/rv_mean.html](#)

³¹[notes/rv_combine.html](#)

³²[notes/rv_combine.html](#)

³³[notes/midterm2_study_guide.html](#)

³⁴[labs/projectAnalysisSteps.html](#)

³⁵[notes/binomial_mean.html](#)

³⁶[notes/binomial_mean.html](#)

³⁷[notes/iid_setting.html](#)

³⁸[notes/iid_setting.html](#)

³⁹[notes/confidence_intervals.html](#)

⁴⁰[notes/confidence_intervals.html](#)

Day 2 THANKSGIVING

Day 3 THANKSGIVING

Day 4 THANKSGIVING

Week 13 (12/01-12/04)

Day 1 Inference II: Hypothesis Tests⁴¹

Day 2 Inference II: Hypothesis Tests (cont)⁴²

Day 3 TBA

Day 4 TBA

Week 14 (12/07-12/11)

Day 1 TBA

Day 2 TBA

Day 3 TBA

Day 4 TBA

⁴¹[notes/hypothesis_tests.html](#)

⁴²[notes/hypothesis_tests.html](#)