

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](#)

Day 2 Lab 4¹⁵

Day 3 Scatterplots and Correlation¹⁶

Day 4 General Theory on Modeling and Data Fitting¹⁷

Week 5 (10/05-10/09)

Day 1 Review

Day 2 **MIDTERM** (study guide¹⁸)

Day 3 Linear Models and Regression Lines¹⁹

Day 4 Linear Models and Regression Lines²⁰

Week 6 (10/12-10/16)

Day 1 The question of causation²¹

Introduction to Probability²²

Day 2 Lab 5

Day 3 Introduction to Probability (cont)²³

Day 4 Probability rules²⁴

Week 7 (10/19-10/23)

Day 1 Fall Break

Day 2 Conditional Probability²⁵

Independent Events²⁶

Day 3 Tree Diagrams²⁷

Day 4 Tree Diagrams (cont)²⁸

¹⁵[labs/4.html](#)

¹⁶[notes/scatterplot_correlation.html](#)

¹⁷[notes/modeling_general.html](#)

¹⁸[notes/midterm1_study_guide.html](#)

¹⁹[notes/linear_regression.html](#)

²⁰[notes/linear_regression.html](#)

²¹[notes/correlation_causation.html](#)

²²[notes/probability_intro.html](#)

²³[notes/probability_intro.html](#)

²⁴[notes/probability_rules.html](#)

²⁵[notes/probability_conditional.html](#)

²⁶[notes/independent_events.html](#)

²⁷[notes/decision_trees.html](#)

²⁸[notes/decision_trees.html](#)

Week 8 (10/26-10/30)

Day 1 Random Variables²⁹

Day 2 Lab Practice

Day 3 The Binomial Setting and Distribution³⁰

Day 4 Mean and Standard Deviation of Random Variables³¹

Week 9 (11/02-11/06)

Day 1 Mean and Standard Deviation of Random Variables (cont)³²

Day 2 Combining Random Variables³³

Day 3 Combining Random Variables (cont)³⁴

Day 4 Review / Catchup

Week 10 (11/09-11/13)

Day 1 **MIDTERM** (study guide³⁵)

Day 2 Lab: Work on Projects³⁶

Day 3 Mean and Standard Deviation of the Binomial³⁷

Day 4 Binomial: Approximating by Normal³⁸

Week 11 (11/16-11/20)

Day 1 The Sample Mean / IID Setting³⁹

Day 2 Work on Projects

Day 3 The Sample Mean / IID Setting (cont)⁴⁰

Day 4 Inference I: Confidence Intervals⁴¹

Week 12 (11/23-11/27)

Day 1 Inference I: Confidence Intervals (cont)⁴²

²⁹[notes/random_variables.html](#)

³⁰[notes/binomial.html](#)

³¹[notes/rv_mean.html](#)

³²[notes/rv_mean.html](#)

³³[notes/rv_combine.html](#)

³⁴[notes/rv_combine.html](#)

³⁵[notes/midterm2_study_guide.html](#)

³⁶[labs/projectAnalysisSteps.html](#)

³⁷[notes/binomial_mean.html](#)

³⁸[notes/binomial_mean.html](#)

³⁹[notes/iid_setting.html](#)

⁴⁰[notes/iid_setting.html](#)

⁴¹[notes/confidence_intervals.html](#)

⁴²[notes/confidence_intervals.html](#)

Day 2 THANKSGIVING

Day 3 THANKSGIVING

Day 4 THANKSGIVING

Week 13 (12/01-12/04)

Day 1 Inference II: Hypothesis Tests⁴³

Day 2 Inference II: Hypothesis Tests (cont)⁴⁴

Day 3 TBA

Day 4 TBA

Week 14 (12/07-12/11)

Day 1 TBA

Day 2 TBA

Day 3 TBA

Day 4 TBA

⁴³[notes/hypothesis_tests.html](#)

⁴⁴[notes/hypothesis_tests.html](#)