

Schedule

A week-by-week breakdown of the material.

Week 1 (09/05-9/09)

Day 1 Basic Terminology¹

Day 2 Visualizing Variables²

Day 3 Percentiles³

Lab 1⁴

Week 2 (09/12-09/16)

Day 1 Measures of Center⁵

Day 2 Measures of Spread⁶

Day 3 Linear Transformations⁷

Lab 2⁸

Week 3 (09/19-09/23)

Day 1 Density Curves⁹

The Normal Distribution¹⁰

Day 2 The Normal Distribution (cont)¹¹

Day 3 Lab 3¹²

¹notes/basic_terminology.html

²notes/visualizing_distributions.html

³<notes/percentiles.html>

⁴<labs/1.html>

⁵notes/measures_center.html

⁶notes/measures_spread.html

⁷notes/linear_transformations.html

⁸<labs/2.html>

⁹notes/density_curves.html

¹⁰notes/normal_distribution.html

¹¹notes/normal_distribution.html

¹²<labs/3.html>

Week 4 (09/26-09/30)

Day 1 Relationships between two variables¹³

Day 2 Scatterplots and Correlation¹⁴

Day 3 Lab 4¹⁵

Week 5 (10/03-10/07)

Day 1 General Theory on Modeling and Data Fitting¹⁶

Day 2 Linear Models and Regression Lines¹⁷

Day 3 **MIDTERM** (study guide¹⁸)

Week 6 (10/10-10/14)

Day 1 The question of causation¹⁹

Introduction to Probability²⁰

Day 2 Conditional Probability²¹

Day 3 Lab 5

Week 7 (10/17-10/21)

Day 1 Fall Break

Day 2 Probability rules²²

Day 3 Independent Events²³

Week 8 (10/24-10/28)

Day 1 Tree Diagrams²⁴

Day 2 Random Variables²⁵

Day 3 Lab: Work on Projects²⁶

¹³[notes/relationships.html](#)

¹⁴[notes/scatterplot_correlation.html](#)

¹⁵[labs/4.html](#)

¹⁶[notes/modeling_general.html](#)

¹⁷[notes/linear_regression.html](#)

¹⁸[notes/midterm1_study_guide.html](#)

¹⁹[notes/correlation_causation.html](#)

²⁰[notes/probability_intro.html](#)

²¹[notes/probability_conditional.html](#)

²²[notes/probability_rules.html](#)

²³[notes/independent_events.html](#)

²⁴[notes/decision_trees.html](#)

²⁵[notes/random_variables.html](#)

²⁶[labs/projectAnalysisSteps.html](#)

Week 9 (10/31-11/04)

Day 1 The Binomial Setting and Distribution²⁷

Day 2 The Binomial Setting and Distribution²⁸ Day 3
Work on Projects²⁹

Week 10 (11/07-11/11)

Day 1 Mean and Standard Deviation of Random Variables³⁰

Day 2 Combining Random Variables³¹

Day 4 **MIDTERM** (study guide³²)

Week 11 (11/14-11/18)

Day 1 Mean and Standard Deviation of the Binomial³³

Day 2 Binomial: Approximating by Normal³⁴

Day 3 The Sample Mean / IID Setting³⁵

Week 12 (11/21-11/25)

Day 1 The Sample Mean / IID Setting (cont)³⁶

Day 2 THANKSGIVING

Day 3 THANKSGIVING

Week 13 (11/28-12/02)

Day 1 Inference I: Confidence Intervals³⁷

Day 2 Inference I: Confidence Intervals (cont)³⁸

Day 3 Inference II: Hypothesis Tests³⁹

²⁷[notes/binomial.html](#)

²⁸[notes/binomial.html](#)

²⁹[labs/projectAnalysisSteps.html](#)

³⁰[notes/rv_mean.html](#)

³¹[notes/rv_combine.html](#)

³²[notes/midterm2_study_guide.html](#)

³³[notes/binomial_mean.html](#)

³⁴[notes/binomial_mean.html](#)

³⁵[notes/iid_setting.html](#)

³⁶[notes/iid_setting.html](#)

³⁷[notes/confidence_intervals.html](#)

³⁸[notes/confidence_intervals.html](#)

³⁹[notes/hypothesis_tests.html](#)

Week 14 (12/05-12/09)

Day 1 Inference II: Hypothesis Tests (cont)⁴⁰

Day 2 Going further: t-distributions

Day 3 Presentations

⁴⁰notes/hypothesis_tests.html