Schedule

A week-by-week breakdown of the material.

Week 1 (09/05-9/09)

Day 1 Basic Terminology[1]

Day 2 Visualizing Variables[2]

Day 3 Percentiles[3]

   Lab 1[4]

Week 2 (09/12-09/16)

Day 1 Measures of Center[5]

Day 2 Measures of Spread[6]

Day 3 Linear Transformations[7]

   Lab 2[8]

Week 3 (09/19-09/23)

Day 1 Density Curves[9]

   The Normal Distribution[10]

Day 2 The Normal Distribution (cont)[11]

Day 3 Lab 3[12]

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[1] notes/basic_terminology.html
[2] notes/visualizing_distributions.html
[3] notes/percentiles.html
[4] labs/1.html
[5] notes/measures_center.html
[6] notes/measures_spread.html
[7] notes/linear_transformations.html
[8] labs/2.html
[9] notes/density_curves.html
[10] notes/normal_distribution.html
[11] notes/normal_distribution.html
[12] labs/3.html

Week 4 (09/26-09/30)

Day 1 Relationships between two variables[13]

Scatterplots and Correlation[14]

Day 2 General Theory on Modeling and Data Fitting[15]

Day 3 Linear Models and Regression Lines[16]

Lab 4[17]

Week 5 (10/03-10/07)

Day 1 The question of causation[18]
Day 2 Introduction to Probability[19]
Day 3 MIDTERM (study guide[20])

Week 6 (10/10-10/14)

Day 1 Conditional Probability[21]
Day 2 Probability rules[22]
Day 3 Independent Events[23]

Week 7 (10/17-10/21)

Day 1 Fall Break
Day 2 Tree Diagrams[24]
Day 3 Random Variables[25]

Week 8 (10/24-10/28)

Day 1 The Binomial Setting and Distribution[26]

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[13]notes/relationships.html
[14]notes/scatterplot_correlation.html
[15]notes/modeling_general.html
[16]notes/linear_regression.html
[17]labs/4.html
[18]notes/correlation_causation.html
[19]notes/probability_intro.html
[20]notes/midterm1_study_guide.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]notes/binomial.html

Day 2 The Binomial Setting and Distribution[27]
Day 3 Lab: Work on Projects[28]

Week 9 (10/31-11/04)

Day 1 Mean and Standard Deviation of Random Variables[29]
Day 2 Combining Random Variables[30]
Day 3 Work on Projects[31]

Week 10 (11/07-11/11)

Day 1 Mean and Standard Deviation of the Binomial[32]
Day 2 Binomial: Approximating by Normal[33]
Day 3 **MIDTERM** (study guide[34])

Week 11 (11/14-11/18)

Day 1 The Sample Mean / IID Setting[35]
Day 2 The Sample Mean / IID Setting (cont)[36]
Day 3 Inference I: Confidence Intervals[37]

Week 12 (11/21-11/25)

Day 1 Inference I: Confidence Intervals (cont)[38]
Day 2 THANKSGIVING
Day 3 THANKSGIVING

Week 13 (11/28-12/02)

Day 1 Inference II: Hypothesis Tests[39]
Day 2 Inference II: Hypothesis Tests (cont)[40]

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[27]notes/binomial.html
[28]labs/projectAnalysisSteps.html
[29]notes/rv_mean.html
[30]notes/rv_combine.html
[31]labs/projectAnalysisSteps.html
[32]notes/binomial_mean.html
[33]notes/binomial_mean.html
[34]notes/midterm2_study_guide.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
[40]notes/hypothesis_tests.html

Day 3 TBA

Week 14 (12/05-12/09)

Day 1 TBA
Day 2 TBA
Day 3 Presentations