Schedule

A week-by-week breakdown of the material.

Week 1 (09/07-9/11)

Day 1 Basic Terminology[1]
Day 2 Lab 1[2]
Day 3 Visualizing Variables[3]
Day 4 Percentiles[4]

Week 2 (09/14-09/18)

Day 1 Measures of Center[5]

Day 2 Lab 2[6]

Day 3 Measures of Spread[7]
Linear Transformations[8]

Day 4 Density Curves[9]
The Normal Distribution[10]

Week 3 (09/21-09/25)

Day 1 Relationships between two variables[11]
Day 2 Lab 3[12]
Day 3 Scatterplots and Correlation[13]
Day 4 General Theory on Modeling and Data Fitting[14]

[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] notes/relationships.html
[12] labs/3.html
[13] notes/scatterplot_correlation.html
[14] notes/modeling_general.html

Week 4 (09/28-10/02)

Day 1 Linear Models and Regression Lines[15]
Day 2 Lab 4[16]
Day 3 The question of causation[17]
Day 4 Introduction to Probability[18]

Week 5 (10/05-10/09)

Day 1 Review
Day 2 **MIDTERM** (study guide[19])
Day 3 Introduction to Probability (cont)[20]
Day 4 Independent Events[21]

Week 6 (10/12-10/16)

Day 1 Probability rules[22]
Day 2 Catchup
Day 3 Tree Diagrams[23]
Day 4 Tree Diagrams (cont)[24]

Week 7 (10/19-10/23)

Day 1 Fall Break
Day 2 Probability Practice
Day 3 Probability Practice
Day 4 Probability Practice

Week 8 (10/26-10/30)

Day 1 Random Variables[25]
Day 2 Lab Practice

[15] notes/linear_regression.html
[16] labs/4.html
[17] notes/correlation_causation.html
[18] notes/probability_intro.html
[19] notes/midterm1_study_guide.html
[20] notes/probability_intro.html
[21] notes/independent_events.html
[22] notes/probability_rules.html
[23] notes/decision_trees.html
[24] notes/decision_trees.html
[25] notes/random_variables.html

Day 3 The Binomial Setting and Distribution[26]
Day 4 Mean and Standard Deviation of Random Variables[27]

Week 9 (11/02-11/06)

Day 1 Mean and Standard Deviation of Random Variables (cont)[28]
Day 2 Combining Random Variables[29]
Day 3 Combining Random Variables (cont)[30]
Day 4 Review / Catchup

Week 10 (11/09-11/13)

Day 1 **MIDTERM** (study guide[31])
Day 2 Lab: Work on Projects[32]
Day 3 Mean and Standard Deviation of the Binomial[33]
Day 4 Binomial: Approximating by Normal[34]

Week 11 (11/16-11/20)

Day 1 The Sample Mean / IID Setting[35]
Day 2 Work on Projects
Day 3 The Sample Mean / IID Setting (cont)[36]
Day 4 Inference I: Confidence Intervals[37]

Week 12 (11/23-11/27)

Day 1 Inference I: Confidence Intervals (cont)[38]
Day 2 THANKSGIVING
Day 3 THANKSGIVING
Day 4 THANKSGIVING

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[26] notes/binomial.html
[27] notes/rv_mean.html
[28] notes/rv_mean.html
[29] notes/rv_combine.html
[30] notes/rv_combine.html
[31] notes/midterm2_study_guide.html
[32] labs/projectAnalysisSteps.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

Week 13 (12/01-12/04)

Day 1 Inference II: Hypothesis Tests[39]
Day 2 Inference II: Hypothesis Tests (cont)[40]
Day 3 TBA
Day 4 TBA

Week 14 (12/07-12/11)

Day 1 TBA
Day 2 TBA
Day 3 TBA
Day 4 TBA

[39] notes/hypothesis_tests.html
[40] notes/hypothesis_tests.html