Schedule

A week-by-week breakdown of the material.

Week 1 (09/04-9/08)

Day 1 A taste of statistics[1]
Basic Terminology[2]
HW1 due Fri[3]

Day 2 Visualizing Variables[4]
Quiz 1 due Sun[5]

Day 3 Lab 1[6]

Week 2 (09/11-09/15)

Day 1 Percentiles[7]
Measures of Center[8]
Measures of Spread[9]
HW2 due Fri[10]
Quiz 2 due Thu[11]

Day 2 Data Collection[12]

Day 3 Linear Transformations[13]
Lab 2[14]

Week 3 (09/18-09/22)

Day 1 Density Curves[15]

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[1] notes/taste.html
[2] notes/basic_terminology.html
[3] assignments/hw1.html
[4] notes/visualizing_distributions.html
[5] https://moodle.hanover.edu/mod/quiz/view.php?id=5177
[6] https://hanoverstatslabs.github.io/resources/labs/Lab1Instructions.html
[7] notes/percentiles.html
[8] notes/measures_center.html
[9] notes/measures_spread.html
[10] assignments/hw2.html
[11] https://moodle.hanover.edu/mod/quiz/view.php?id=5178
[12] notes/data_collection.html
[13] notes/linear_transformations.html
[14] labs/2.html
[15] notes/density_curves.html

The Normal Distribution[16]

Day 2 The Normal Distribution (cont)[17]

Day 3 Lab 3[18]

Week 4 (09/25-09/29)

Day 1 Relationships between two variables[19]
Scatterplots and Correlation[20]

Day 2 General Theory on Modeling and Data Fitting[21]

Day 3 Linear Models and Regression Lines[22]
Lab 4[23]

Week 5 (10/02-10/06)

Day 1 The question of causation[24]

Day 2 **MIDTERM** (study guide[25])

Day 3 Introduction to Probability[26]

Week 6 (10/09-10/13)

Day 1 Conditional Probability[27]

Day 2 Probability rules[28]

Day 3 Independent Events[29]

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[16]notes/normal_distribution.html
[17]notes/normal_distribution.html
[18]labs/3.html
[19]notes/relationships.html
[20]notes/scatterplot_correlation.html
[21]notes/modeling_general.html
[22]notes/linear_regression.html
[23]labs/4.html
[24]notes/correlation_causation.html
[25]notes/midterm1_study_guide.html
[26]notes/probability_intro.html
[27]notes/probability_conditional.html
[28]notes/probability_rules.html
[29]notes/independent_events.html

Week 7 (10/16-10/20)

Day 1 Tree Diagrams[30]

Day 2 Random Variables[31]

Day 3 The Binomial Setting and Distribution[32]

Week 8 (10/23-10/27)

Day 1 Fall Break

Day 2 The Binomial Setting and Distribution[33]

Day 3 Lab: Work on Projects[34]

Week 9 (10/30-11/03)

Day 1 Mean and Standard Deviation of Random Variables[35]

Day 2 Work on Projects[36]

Day 3 Work on Projects[37]

Week 10 (11/06-11/10)

Day 1 Combining Random Variables[38]

Day 2 Mean and Standard Deviation of the Binomial[39]

Day 3 MIDTERM (study guide[40])

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[30]notes/decision_trees.html
[31]notes/random_variables.html
[32]notes/binomial.html
[33]notes/binomial.html
[34]labs/projectAnalysisSteps.html
[35]notes/rv_mean.html
[36]labs/projectAnalysisSteps.html
[37]labs/projectAnalysisSteps.html
[38]notes/rv_combine.html
[39]notes/binomial_mean.html
[40]notes/midterm2_study_guide.html

Week 11 (11/13-11/17)

Day 1 Binomial: Approximating by Normal[41]

Day 2 The Sample Mean / IID Setting[42]

Day 3 The Sample Mean / IID Setting (cont)[43]

Week 12 (11/20-11/24)

Day 1 Inference I: Confidence Intervals[44]

Day 2 THANKSGIVING

Day 3 THANKSGIVING

Week 13 (11/27-12/01)

Day 1 Inference I: Confidence Intervals (cont)[45]

Day 2 Inference II: Hypothesis Tests[46]

Day 3 Inference II: Hypothesis Tests (cont)[47]

Week 14 (12/04-12/08)

Day 1 TBA

Day 2 TBA

Day 3 Presentations

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[41] notes/binomial_mean.html
[42] notes/iid_setting.html
[43] notes/iid_setting.html
[44] notes/confidence_intervals.html
[45] notes/confidence_intervals.html
[46] notes/hypothesis_tests.html
[47] notes/hypothesis_tests.html