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]

Day 2 HW1 due Fri[3]

    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[10]

    Quiz 2[11]

Day 2 Data Collection[12]

    Linear Transformations[13]

    HW3 due[14]

Day 3 Lab 2[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=14001
[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=14002
[12] notes/data_collection.html
[13] notes/linear_transformations.html
[14] assignments/hw3.html
[15] https://hanoverstatslabs.github.io/resources/labs/Lab2Instructions.html

Week 3 (09/18-09/22)

Day 1 Standardized scores[16]

Day 2 Density Curves[17]

    HW4 due[18]

Day 3 Lab 3[19]

Week 4 (09/25-09/29)

Day 1 The Normal Distribution[20]

Day 2 The Normal Distribution (cont)[21]

    Quiz 3[22]

Day 3 Lab 4[23]

    HW5 due[24]

Week 5 (10/02-10/06)

Day 1 Relationships between two variables[25]

    HW6 due[26]

Day 2 **MIDTERM** (study guide[27])

Day 3 Lab 5[28]

Week 6 (10/09-10/13)

Day 1 Scatterplots and Correlation[29]

    Quiz 4[30]

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[16]notes/linear_transformations.html
[17]notes/density_curves.html
[18]assignments/hw4.html
[19]https://hanoverstatslabs.github.io/resources/labs/Lab3Instructions.html
[20]notes/normal_distribution.html
[21]notes/normal_distribution.html
[22]https://moodle.hanover.edu/mod/quiz/view.php?id=14005
[23]https://hanoverstatslabs.github.io/resources/labs/Lab4Instructions.html
[24]assignments/hw5.html
[25]notes/relationships.html
[26]assignments/hw6.html
[27]notes/midterm1_study_guide.html
[28]https://hanoverstatslabs.github.io/resources/labs/Lab5Instructions.html
[29]notes/scatterplot_correlation.html
[30]https://moodle.hanover.edu/mod/quiz/view.php?id=14010

Day 2 General Theory on Modeling and Data Fitting[31]

    Linear Models and Regression Lines[32]

    HW7 due[33]

Day 3 Lab 6[34]

Week 7 (10/16-10/20)

Day 1 Linear Models and Regression Lines (cont)[35]

Day 2 The question of causation[36]

    Quiz 5[37]

Day 3 Lab 7[38]

Week 8 (10/23-10/27)

Day 1 Fall Break

Day 2 Introduction to Probability[39]

Day 3 Conditional Probability[40]

    HW8 due[41]

Week 9 (10/30-11/03)

Day 1 Probability rules[42]

    Independent Events[43]

    Quiz 6[44]

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[31] notes/modeling_general.html
[32] notes/linear_regression.html
[33] assignments/hw7.html
[34] https://hanoverstatslabs.github.io/resources/labs/Lab6Instructions.html
[35] notes/linear_regression.html
[36] notes/correlation_causation.html
[37] https://moodle.hanover.edu/mod/quiz/view.php?id=14011
[38] https://hanoverstatslabs.github.io/resources/labs/Lab7Instructions.html
[39] notes/probability_intro.html
[40] notes/probability_conditional.html
[41] assignments/hw8.html
[42] notes/probability_rules.html
[43] notes/independent_events.html
[44] https://moodle.hanover.edu/mod/quiz/view.php?id=14014

Day 2 Tree Diagrams[45]

    HW9 due[46]

    Quiz 7[47]

Day 3 Lab 8[48]

Week 10 (11/06-11/10)

Day 1 Random Variables[49]

    HW10 due[50]

Day 2 Review

    HW11 due[51]

Day 3 MIDTERM (study guide[52])

Week 11 (11/13-11/17)

Day 1 Random Variables (cont)[53]

Day 2 The Binomial Setting and Distribution[54]

    Quiz 8[55]

Day 3 Project work

    HW12 due[56]

Week 12 (11/20-11/24)

Day 1 Mean and Standard Deviation of Random Variables[57]

    HW13 due[58]

Day 2 THANKSGIVING

Day 3 THANKSGIVING

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[45]notes/decision_trees.html
[46]assignments/hw9.html
[47]https://moodle.hanover.edu/mod/quiz/view.php?id=14018
[48]https://hanoverstatslabs.github.io/resources/labs/Lab8Instructions.html
[49]notes/random_variables.html
[50]assignments/hw10.html
[51]assignments/hw11.html
[52]notes/midterm2_study_guide.html
[53]notes/random_variables.html
[54]notes/binomial.html
[55]https://moodle.hanover.edu/mod/quiz/view.php?id=14020
[56]assignments/hw12.html
[57]notes/rv_mean.html
[58]assignments/hw13.html

Week 13 (11/27-12/01)

Day 1 Combining Random Variables[59]

Mean and Standard Deviation of the Binomial[60]

Binomial: Approximating by Normal[61]

Quiz 9[62]

Day 2 The Sample Mean / IID Setting[63]

HW14 due[64]

Quiz 10[65]

Day 3 Inference I: Confidence Intervals[66]

HW15 due[67]

Week 14 (12/04-12/08)

Day 1 Inference II: Hypothesis Tests[68]

HW16 due[69]

Quiz 11[70]

Day 2 TBA

HW17 due[71]

Day 3 Presentations

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[59]notes/rv_combine.html
[60]notes/binomial_mean.html
[61]notes/binomial_mean.html
[62]https://moodle.hanover.edu/mod/quiz/view.php?id=14023
[63]notes/iid_setting.html
[64]assignments/hw14.html
[65]https://moodle.hanover.edu/mod/quiz/view.php?id=14026
[66]notes/confidence_intervals.html
[67]assignments/hw15.html
[68]notes/hypothesis_tests.html
[69]assignments/hw16.html
[70]https://moodle.hanover.edu/mod/quiz/view.php?id=14028
[71]assignments/hw17.html