Schedule

A week-by-week breakdown of the material.

Week 1 (01/07-1/11)

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 (01/14-09/18)

Day 1 Percentiles[7]
  Measures of Center[8]
  Measures of Spread[9]
  HW2 due[10]
  Quiz 2 due Mon of week 3[11]

Day 2 No class

Day 3 Lab 2[12]

Week 3 (01/21-01/25)

Day 1 Data Collection[13]
  HW3 due[14]

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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] https://hanoverstatslabs.github.io/resources/labs/Lab2Instructions.html
[13] notes/data_collection.html
[14] assignments/hw3.html

Day 2 Linear Transformations[15]

    Standardized scores[16]

    Density Curves[17]

    The Normal Distribution[18]

    Quiz 3[19]

Day 3 Lab 3[20]

Week 4 (01/28-02/01)

Day 1 The Normal Distribution (cont)[21]

Day 2 Relationships between two variables[22]

    HW4 due[23]

Day 3 Lab 4[24]

    HW5 due[25]

Week 5 (02/04-02/08)

Day 1 HW6 due[26]

Day 2 Scatterplots and Correlation[27]

    Quiz 4[28]

Day 3 MIDTERM (study guide[29])

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

Week 6 (02/11-02/15)

Day 1 General Theory on Modeling and Data Fitting[30]
Linear Models and Regression Lines[31]
HW7 due[32]

Day 2 Linear Models and Regression Lines (cont)[33]

Day 3 Lab 5[34]

Week 7 (02/18-02/22)

Day 1 The question of causation[35]
Quiz 5[36]

Day 2 Introduction to Probability[37]

Day 3 Lab 6[38]

Week 8 (02/25-03/01)

WINTER BREAK

Week 9 (03/04-03/08)

Day 1 Conditional Probability[39]
HW8 due[40]

Day 2 Probability rules[41]
Independent Events[42]
Quiz 6[43]

Day 3 Lab 7[44]

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[30]notes/modeling_general.html
[31]notes/linear_regression.html
[32]assignments/hw7.html
[33]notes/linear_regression.html
[34]https://hanoverstatslabs.github.io/resources/labs/Lab5Instructions.html
[35]notes/correlation_causation.html
[36]https://moodle.hanover.edu/mod/quiz/view.php?id=14011
[37]notes/probability_intro.html
[38]https://hanoverstatslabs.github.io/resources/labs/Lab6Instructions.html
[39]notes/probability_conditional.html
[40]assignments/hw8.html
[41]notes/probability_rules.html
[42]notes/independent_events.html
[43]https://moodle.hanover.edu/mod/quiz/view.php?id=14014
[44]https://hanoverstatslabs.github.io/resources/labs/Lab7Instructions.html

Week 10 (03/11-03/15)

Day 1 Tree Diagrams[45]

    HW9 due[46]

    Quiz 7[47]

Day 2 Review

    HW11 due[48]

Day 3 MIDTERM (study guide[49])

Week 11 (03/18-03/22)

Day 1 Random Variables[50]

    HW10 due[51]

Day 2 Random Variables (cont)[52]

Day 3 Lab 8[53]

    HW12 due[54]

Week 12 (03/25-03/29)

Day 1 The Binomial Setting and Distribution[55]

    Quiz 8[56]

Day 2 Mean and Standard Deviation of Random Variables[57]

    HW13 due[58]

Day 3 Project work

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

Week 13 (04/01-04/05)

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 (04/08-04/12)

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