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]

Day 3 Lab 3[17]

Week 4 (01/28-02/01)

Day 1 Density Curves[18]

   The Normal Distribution[19]

   Quiz 3[20]

Day 2 Class cancelled

Day 3 Lab 4[21]

   HW4 due[22]

Week 5 (02/04-02/08)

Day 1 Relationships between two variables[23]

   HW5 due[24]

Day 2 Scatterplots and Correlation[25]

   HW6 due[26]

Day 3 MIDTERM (study guide[27])

Week 6 (02/11-02/15)

Day 1 Scatterplots and Correlation (cont)[28]

   General Theory on Modeling and Data Fitting[29]

   Quiz 4[30]

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[15] notes/linear_transformations.html

[16] notes/linear_transformations.html

[17] https://hanoverstatslabs.github.io/resources/labs/Lab3Instructions.html

[18] notes/density_curves.html

[19] notes/normal_distribution.html

[20] https://moodle.hanover.edu/mod/quiz/view.php?id=14005

[21] https://hanoverstatslabs.github.io/resources/labs/Lab4Instructions.html

[22] assignments/hw4.html

[23] notes/relationships.html

[24] assignments/hw5.html

[25] notes/scatterplot_correlation.html

[26] assignments/hw6.html

[27] notes/midterm1_study_guide.html

[28] notes/scatterplot_correlation.html

[29] notes/modeling_general.html

[30] https://moodle.hanover.edu/mod/quiz/view.php?id=14010

Day 2 Linear Models and Regression Lines[31]

Day 3 HW7 due[32]

   Lab 5[33]

Week 7 (02/18-02/22)

Day 1 The question of causation[34]

   Quiz 5[35]

Day 2 Introduction to Probability[36]

Day 3 Lab 6[37]

   HW8 due[38]

Week 8 (02/25-03/01)

WINTER BREAK

Week 9 (03/04-03/08)

Day 1 Conditional Probability[39]

Day 2 Probability rules[40]

   Independent Events[41]

   Quiz 6[42]

Day 3 Lab 7[43]

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

Week 10 (03/11-03/15)

Day 1 Tree Diagrams[44]

    HW9 due[45]

    Quiz 7[46]

Day 2 Review

    HW11 due[47]

Day 3 MIDTERM (study guide[48])

Week 11 (03/18-03/22)

Day 1 Random Variables[49]

    HW10 due[50]

Day 2 Random Variables (cont)[51]

Day 3 Lab 8[52]

    HW12 due[53]

Week 12 (03/25-03/29)

Day 1 The Binomial Setting and Distribution[54]

    Quiz 8[55]

Day 2 Mean and Standard Deviation of Random Variables[56]

    HW13 due[57]

Day 3 Project work

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

Week 13 (04/01-04/05)

Day 1 Combining Random Variables[58]

Mean and Standard Deviation of the Binomial[59]

Binomial: Approximating by Normal[60]

Quiz 9[61]

Day 2 The Sample Mean / IID Setting[62]

HW14 due[63]

Quiz 10[64]

Day 3 Inference I: Confidence Intervals[65]

HW15 due[66]

Week 14 (04/08-04/12)

Day 1 Inference II: Hypothesis Tests[67]

HW16 due[68]

Quiz 11[69]

Day 2 TBA

HW17 due[70]

Day 3 Presentations

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