

Schedule

A week-by-week breakdown of the material.

Week 1 (01/05-01/09)

Day 1 Basic Terminology¹

Day 2 Lab 1²

Day 3 Visualizing Variables³

Day 4 Percentiles⁴

Week 2 (01/12-01/16)

Day 1 Measures of Center⁵

Measures of Spread⁶

Day 2 Lab 2⁷

Day 3 Linear Transformations⁸

Density Curves⁹

Day 4 The Normal Distribution¹⁰

Week 3 (01/19-01/23)

Day 1 Relationships between two variables¹¹

Day 2 Lab 3¹²

Day 3 Scatterplots and Correlation¹³

Day 4 General Theory on Modeling and Data Fitting¹⁴

¹[notes/basic_terminology.html](https://www.stat.columbia.edu/gelman/notes/basic_terminology.html)

²[labs/1.html](https://www.stat.columbia.edu/gelman/labs/1.html)

³[notes/visualizing_distributions.html](https://www.stat.columbia.edu/gelman/notes/visualizing_distributions.html)

⁴[notes/percentiles.html](https://www.stat.columbia.edu/gelman/notes/percentiles.html)

⁵[notes/measures_center.html](https://www.stat.columbia.edu/gelman/notes/measures_center.html)

⁶[notes/measures_spread.html](https://www.stat.columbia.edu/gelman/notes/measures_spread.html)

⁷[labs/2.html](https://www.stat.columbia.edu/gelman/labs/2.html)

⁸[notes/linear_transformations.html](https://www.stat.columbia.edu/gelman/notes/linear_transformations.html)

⁹[notes/density_curves.html](https://www.stat.columbia.edu/gelman/notes/density_curves.html)

¹⁰[notes/normal_distribution.html](https://www.stat.columbia.edu/gelman/notes/normal_distribution.html)

¹¹[notes/relationships.html](https://www.stat.columbia.edu/gelman/notes/relationships.html)

¹²[labs/3.html](https://www.stat.columbia.edu/gelman/labs/3.html)

¹³[notes/scatterplot_correlation.html](https://www.stat.columbia.edu/gelman/notes/scatterplot_correlation.html)

¹⁴[notes/modeling_general.html](https://www.stat.columbia.edu/gelman/notes/modeling_general.html)

Week 4 (01/26-01/30)

Day 1 Linear Models and Regression Lines¹⁵

Day 2 Lab 4¹⁶

Day 3 The question of causation¹⁷

Day 4 Introduction to Probability¹⁸

Week 5 (02/02-02/06)

Day 1 Review

Day 2 **MIDTERM**

Day 3 Introduction to Probability (cont)¹⁹

Day 4 Independent Events²⁰

Week 6 (02/09-02/13)

Day 1 Probability rules²¹

Day 2 Catchup

Day 3 Tree Diagrams²²

Day 4 Tree Diagrams (cont)²³

Week 7 (02/16-02/20)

Day 1 Snow day

Day 2 Probability Practice

Day 3 Probability Practice

Day 4 Probability Practice

Week 8 (02/23-02/27)

BREAK

¹⁵[notes/linear_regression.html](#)

¹⁶[labs/4.html](#)

¹⁷[notes/correlation_causation.html](#)

¹⁸[notes/probability_intro.html](#)

¹⁹[notes/probability_intro.html](#)

²⁰[notes/independent_events.html](#)

²¹[notes/probability_rules.html](#)

²²[notes/decision_trees.html](#)

²³[notes/decision_trees.html](#)

Week 9 (03/02-03/06)

Day 1 Random Variables²⁴

Day 2 Lab Practice

Day 3 Snow Day

Day 4 The Binomial Setting and Distribution²⁵

Week 10 (03/09-03/13)

Day 1 Mean and Standard Deviation of Random Variables²⁶

Day 2 Combining Random Variables²⁷

Day 3 Mean and Standard Deviation of the Binomial²⁸

Day 4 The Sample Mean / IID Setting²⁹

Week 11 (03/16-03/20)

Day 1 Review / Catchup

Day 2 **MIDTERM** (study guide³⁰)

Day 3 TBA

Day 4 TBA

Week 12 (03/23-03/27)

Day 1 TBA

Day 2 TBA

Day 3 TBA

Day 4 TBA

Week 13 (03/30-04/03)

Day 1 TBA

Day 2 TBA

Day 3 TBA

Day 4 TBA

²⁴[notes/random_variables.html](#)

²⁵[notes/binomial.html](#)

²⁶[notes/rv_mean.html](#)

²⁷[notes/rv_combine.html](#)

²⁸[notes/binomial_mean.html](#)

²⁹[notes/iid_setting.html](#)

³⁰[midterm2_study_guide.html](#)

Week 14 (04/06-04/10)

Day 1 TBA

Day 2 TBA

Day 3 TBA

Day 4 TBA