

Statistical Modeling Units

Unit 1: Exploring and Understanding Data

Chapter 1: Stats Start Here

Chapter 2: Telling the Stories of Categorical Data

Chapter 3: Exploring Quantitative Data

Chapter 4: Telling the Stories of Quantitative Data

Chapter 5: Under Normal Circumstances

Unit 2: Exploring Relationships Between Variables

Chapter 6: A Tale of Two Variables

Chapter 7: Line Up!

Chapter 8: Ahead of the Curve

Unit 3: Gathering Data

Chapter 9: Samples

Chapter 10: Observational Studies and Experiments

Chapter 11: Using Randomness

Unit 4: Randomness and Probability

Chapter 12: Let Me Count the Ways

Chapter 13: What are the Chances?

Chapter 14: Probability Rules!

Chapter 15: Probability Models

Unit 5: From the Data at Hand to the World at Large

Chapter 16: Confidence Intervals for a Proportion

Chapter 17: Surprise? Testing a Hypothesis About Proportions

Chapter 18: Inference About a Mean

Chapter 19: Comparing Proportions or Means

Chapter 20: Comparing Counts