

AHSS 4th ed Chapter & AP Stat Updated CED Unit	AHSS 4TH ED TEXTBOOK SECTION	AP STATISTICS UPDATED CED TOPIC
1: Exploring One-Variable Data and Collecting Data	1.1 Introduction to data	TOPIC 1.1 Introducing Statistics: What Can We Learn from Data?
1: Exploring One-Variable Data and Collecting Data	1.1 Introduction to data	TOPIC 1.2 Variables
1: Exploring One-Variable Data and Collecting Data	1.2 Representing categorical data	TOPIC 1.3 Tabular Representation and Summary Statistics for One Categorical Variable
1: Exploring One-Variable Data and Collecting Data	1.2 Representing categorical data	TOPIC 1.4 Graphical Representations for One Categorical Variable
1: Exploring One-Variable Data and Collecting Data	1.3 Representing numerical data with graphs	TOPIC 1.5 Graphical Representations for One Quantitative Variable
1: Exploring One-Variable Data and Collecting Data	1.3 Representing numerical data with graphs	TOPIC 1.6 Descriptions for One Quantitative Variable Distributions
1: Exploring One-Variable Data and Collecting Data	1.4 Numerical summaries and boxplots	TOPIC 1.7 Summary Statistics for One Quantitative Variable
1: Exploring One-Variable Data and Collecting Data	1.4 Numerical summaries and boxplots	TOPIC 1.8 Graphical Representations of Summary Statistics for One Quantitative Variable
1: Exploring One-Variable Data and Collecting Data	1.4 Numerical summaries and boxplots	TOPIC 1.9 Comparisons of the Distributions for One Quantitative Variable
1: Exploring One-Variable Data and Collecting Data	1.5 Overview of data collection principles	TOPIC 1.10 The Investigative Question Revisited and Data Collection
1: Exploring One-Variable Data and Collecting Data	1.6 Sampling methods and sources of bias	TOPIC 1.11 Random Sampling
1: Exploring One-Variable Data and Collecting Data	1.6 Sampling methods and sources of bias	TOPIC 1.12 Potential Problems with Sampling
1: Exploring One-Variable Data and Collecting Data	1.7 Experimental design	TOPIC 1.13 Experimental Design
2: Probability, Random Variables, and Probability Distributions	2.1 Relationships between two categorical variables	TOPIC 2.1 Tabular and Graphical Representations for the Distributions of Two Categorical Variables
2: Probability, Random Variables, and Probability Distributions	2.1 Relationships between two categorical variables	TOPIC 2.2 Summary Statistics for Two Categorical Variables
2: Probability, Random Variables, and Probability Distributions	2.2 Probability basics	TOPIC 2.3 Estimating Probabilities Using Simulation
2: Probability, Random Variables, and Probability Distributions	2.2 Probability basics	TOPIC 2.4 Introduction to Probability
2: Probability, Random Variables, and Probability Distributions	2.2 Probability basics	TOPIC 2.5 Mutually Exclusive Events
2: Probability, Random Variables, and Probability Distributions	2.3 Conditional probability, intersections, and unions	TOPIC 2.6 Conditional Probability
2: Probability, Random Variables, and Probability Distributions	2.3 Conditional probability, intersections, and unions	TOPIC 2.7 Independent Events and Unions of Events
2: Probability, Random Variables, and Probability Distributions	2.4 Discrete random variables	TOPIC 2.8 Introduction to Random Variables and Probability Distributions
2: Probability, Random Variables, and Probability Distributions	2.4 Discrete random variables	TOPIC 2.9 Parameters of Random Variables
2: Probability, Random Variables, and Probability Distributions	2.5 Binomial distributions	TOPIC 2.10 The Binomial Distribution
2: Probability, Random Variables, and Probability Distributions	2.6 Normal distributions	TOPIC 2.11 The Normal Distribution
2: Probability, Random Variables, and Probability Distributions	2.7 Sampling distributions and the Central Limit Theorem	TOPIC 2.12 Sampling Distributions and the Central Limit Theorem
3: Inference for Categorical Data: Proportions	3.1 Point estimators	TOPIC 3.1 Estimators
3: Inference for Categorical Data: Proportions	3.2 Sampling distribution of a sample proportion	TOPIC 3.2 Sampling Distributions for Sample Proportions
3: Inference for Categorical Data: Proportions	3.3 Confidence intervals for a population proportion	TOPIC 3.3 Constructing a Confidence Interval for a Population Proportion
3: Inference for Categorical Data: Proportions	3.3 Confidence intervals for a population proportion	TOPIC 3.4 Justifying a Claim Based on a Confidence Interval for a Population Proportion
3: Inference for Categorical Data: Proportions	3.4 Hypothesis testing for a population proportion	TOPIC 3.5 Setting Up a Test for a Population Proportion
3: Inference for Categorical Data: Proportions	3.4 Hypothesis testing for a population proportion	TOPIC 3.6 p-Values
3: Inference for Categorical Data: Proportions	3.4 Hypothesis testing for a population proportion	TOPIC 3.7 Carrying Out a Test for a Population Proportion
3: Inference for Categorical Data: Proportions	3.4 Hypothesis testing for a population proportion	TOPIC 3.8 Potential Errors When Performing Tests
3: Inference for Categorical Data: Proportions	3.5 Sampling distribution for a difference of sample proportions	TOPIC 3.9 Sampling Distributions for the Difference Between Sample Proportions
3: Inference for Categorical Data: Proportions	3.6 Confidence intervals for a difference in population proportions	TOPIC 3.10 Constructing a Confidence Interval for the Difference Between Two Population Proportions
3: Inference for Categorical Data: Proportions	3.6 Confidence intervals for a difference in population proportions	TOPIC 3.11 Justifying a Claim Based on a Confidence Interval for the Difference Between Two Population Proportions
3: Inference for Categorical Data: Proportions	3.7 Hypothesis testing for a difference in population proportions	TOPIC 3.12 Setting Up a Test for the Difference Between Two Population Proportions
3: Inference for Categorical Data: Proportions	3.7 Hypothesis testing for a difference in population proportions	TOPIC 3.13 Carrying Out a Test for the Difference Between Two Population Proportions
3: Inference for Categorical Data: Proportions	3.8 Goodness of fit using chi-square (special topic)	
3: Inference for Categorical Data: Proportions	3.9 Chi-square tests for two-way tables	TOPIC 3.14 Setting Up a Chi-Square Test for Homogeneity or Independence
3: Inference for Categorical Data: Proportions	3.9 Chi-square tests for two-way tables	TOPIC 3.15 Carrying Out a Chi-Square Test for Homogeneity or Independence
4: Inference for Quantitative Data: Means	4.1 Sampling distribution of a sample mean	TOPIC 4.1 Sampling Distributions for Sample Means
4: Inference for Quantitative Data: Means	4.2 Confidence intervals for a population mean	TOPIC 4.2 Constructing a Confidence Interval for a Population Mean or Population Mean Difference
4: Inference for Quantitative Data: Means	4.2 Confidence intervals for a population mean	TOPIC 4.3 Justifying a Claim Based on a Confidence Interval for a Population Mean or Population Mean Difference
4: Inference for Quantitative Data: Means	4.3 Hypothesis testing for a population mean	TOPIC 4.4 Setting Up a Test for a Population Mean or Population Mean Difference
4: Inference for Quantitative Data: Means	4.3 Hypothesis testing for a population mean	TOPIC 4.5 Carrying Out a Test for a Population Mean or Population Mean Difference
4: Inference for Quantitative Data: Means	4.4 Sampling difference for a difference in sample means	TOPIC 4.6 Sampling Distributions for the Difference Between Two Sample Means
4: Inference for Quantitative Data: Means	4.5 Confidence intervals for a difference in population means	TOPIC 4.7 Constructing a Confidence Interval for the Difference Between Two Population Means
4: Inference for Quantitative Data: Means	4.5 Confidence intervals for a difference in population means	TOPIC 4.8 Justifying a Claim Based on a Confidence Interval for the Difference Between Two Population Means
4: Inference for Quantitative Data: Means	4.6 Hypothesis testing for a difference in population means	TOPIC 4.9 Setting Up a Test for the Difference Between Two Population Means
4: Inference for Quantitative Data: Means	4.6 Hypothesis testing for a difference in population means	TOPIC 4.10 Carrying Out a Test for the Difference Between Two Population Means
5: Regression Analysis	5.1 Summarizing bivariate numerical data	TOPIC 5.1 Graphical Representations Between Two Quantitative Variables
5: Regression Analysis	5.1 Summarizing bivariate numerical data	TOPIC 5.2 Correlation
5: Regression Analysis	5.2 Line fitting and residuals	TOPIC 5.3 Linear Regression Models
5: Regression Analysis	5.2 Line fitting and residuals	TOPIC 5.4 Residuals
5: Regression Analysis	5.3 Least squares regression	TOPIC 5.5 Least-Squares Regression