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| 1       | 1       | Summer Assignment: Chapter 1 Introduction; NO Activity                | • Identify the individuals and variables in a set of data.  
• Classify variables as categorical or quantitative. Identify units of measurement for a quantitative variable. | 1, 3, 5, 7, 8 |          |      |      |
| 1       | 1.1     | 1.1 Bar Graphs and Pie Charts, Graphs: Good and Bad                   | • Make a bar graph of the distribution of a categorical variable or, in general, to compare related quantities.  
• Recognize when a pie chart can and cannot be used.  
• Identify what makes some graphs deceptive. | 11, 13, 15, 17 |          |      |      |
| 1       | 1.1     | 1.1 Two-Way Tables & Marginal Distributions, Relationships Between Categorical Variables: Conditional Distributions | • From a two-way table of counts, answer questions involving marginal and conditional distributions.  
• Describe the relationship between two categorical variables in context by comparing the appropriate conditional distributions.  
• Construct bar graphs to display the relationship between two categorical variables. | 19, 21, 23, 25, 27-31 |          |      |      |
| 1       | 1.2     | 1.2 Dotplots, Describing Shape, Comparing Distributions, Stemplots    | • Make a dotplot or stemplot to display small sets of data.  
• Describe the overall pattern (shape, center, spread) of a distribution and identify any major departures from the pattern (like outliers).  
• Identify the shape of a distribution from a dotplot, stemplot, or histogram as roughly symmetric or skewed. Identify the number of modes. | 37, 41, 43, 45, 47, 49 |          |      |      |
| 1       | 1.2     | 1.2 Histograms, Using Histograms Wisely, Technology:                  | • Make a histogram with a reasonable choice of classes.  
• Identify the shape of a distribution from a dotplot, stemplot, or histogram as roughly symmetric or skewed. Identify the number of modes.  
• Interpret histograms. | 53, 55, 57, 59, 60, 69-74 |          |      |      |
| 1       | 1.3     | 1.3 Measuring Center: Mean and Median, Comparing Mean and Median, Measuring Spread: IQR, Identifying Outliers | • Calculate and interpret measures of center (mean, median) in context  
• Calculate and interpret measures of spread (IQR) in context  
• Identify outliers using the 1.5 × IQR rule. | 79, 81, 83, 87, 89 |          |      |      |
| 1       | 1.3     | 1.3 Five Number Summary and Boxplots, Measuring Spread: Standard Deviation, Choosing Measures of Center and Spread | • Make a boxplot.  
• Calculate and interpret measures of spread (standard deviation)  
• Select appropriate measures of center and spread  
• Use appropriate graphs and numerical summaries to compare distributions of quantitative variables. | 91, 93, 95, 97, 103 |          |      |      |

**Chapter 1 Test (you will have only 1 hour for the test! TIP: Study & see me if you have questions before the day of the test!)** 10-Sep 11-Sep