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| |  | | --- | |  | | **Chapter 1: *STATS Starts Here (Pages 1-12)***  **Chapter 2: *Telling the Stories of Categorical Data (Pages 16 - 43)*** | |
| **INSTRUCTIONAL OBJECTIVES:**  Be able to define the words listed in the vocabulary below.  Know the three simple steps to doing *Statistics* correctly.  Make sure that your data is in context.  Describe the data in terms of the Five W’s.  Treat data in two basic ways: categorical or quantitative.  Abide by the Area Principle.  Make/interpret a frequency table.  Mak/interpret a relative frequency table.  Make/interpret a bar chart.  Make/interpret a pie chart.  Make/interpret a contingency table.  Determine the marginal distribution of a contingency table.  Determine the conditional distributions of a contingency table.  Make a determine as to whether 2 variables are independent of each other.  Understand the distinction between *association* and *dependence*.  Conduct a simulation.  Use your TI-84 to enter data into a list.  ***Vocabulary*:** statistics, datum, data, descriptive statistics, inferential statistics, Five W’s, context, individual (case), sample, population, variable, categorical variable, quantitative variable, frequency table, relative frequency table, distribution, area principle, bar chart, pie chart, categorical data condition, contingency table, marginal distribution, conditional distribution, independence, association, simulation  **Technology:** Graphing Calculator (TI-84), Chromebook |
| ***MONDAY (8.12.24*)**  **Class Work:**   1. **Turn in** your completed, dated, and signed copy of the *Classroom* *Rules and Procedures Agreement\_Signature Page.*for a class work grade.  * What **are** *statistics*?      * What **is** statistics?  1. Name 3 things you learned about *Statistics* inChapter 1. 2. The authors claim that this book is very different from a typical mathematics textbook. Would you agree or disagree, based on what you read in Chapter 1? Explain. 3. According to the authors, what are the three simple steps to doing Statistics right? 4. What do the authors refer to as the “W’s of data?” 5. Why must data be in context (the W’s)? 6. Explain the difference between a categorical variable and a quantitative variable. Give an example of each.   **Class Work/Homework:**   * #28 and #29 on pages 14, 15. Be ready to discuss in class. |

***WEDNESDAY (8.14.24*)**

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| **Entry Work:** Discuss #28 and #29 on pages 14, 15.  **Data Description Project:**   * Find an internet source that reports on an **interesting study** and describes the **data** associated with that study. * Be sure to select a study that will be **appropriate** to discuss in class. * Write **your own** description of the data in the study. * Include the **context** of your study. * State **why** this study **interests you**. * Include the l**ink** to your internet source. * **Type** your report. * **Upload** your typed copy on Google Classroom **no later than the beginning of your class on Friday, 8.23.24.** * Be ready to present **your work** to the class on Friday, 8.23.24. * **After presenting** your work to the class, turn in your typed copy to your instructor.   **Homework:**   * Read and take notes on pages 18 – 22. * Pages 36 – 39 (1 – 13, odd).   ***FRIDAY (8.16.24*) B-DAY, NO CLASS.**  ***MONDAY (8.19.24*)**  **Discuss the previously assigned work:** Pages 36 – 39 (1 – 13, odd).  **Class Work:**   * **Read and take notes on** pages 22 – 24. * **Work on your Data Description Project**, which you will upload to Google Classroom no later than the beginning of your class on Friday, 8.23.24. * **Give your instructor the topic of your data description project today.**   **Homework:** Pages 39, 40 (#18, 19, 22, 23).  ***WEDNESDAY (8.21.24*)**  **Turn in your previously assigned homework**: Pages 39, 40 (#18, 19, 22, 23).  **Class Work/Homework:**   * Work on your Data Description Project, which you will upload to Google Classroom no later than the beginning of your class on Friday, 8.23.24.   ***FRIDAY (8.23.24*)**   * **Upload your Data Description Project** to Google Classroom no later than the beginning of your class. * **Present** your project. * **Turn in** the paper copy of your project. * **Homework:** Read and take notes on pages 25 – 36. |