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| **CHAPTER 3, *Exploring Quantitative Data***  **OBJECTIVES (Pages 44 to 77)**   * Create/interpret a histogram. * Create/interpret a stem-and-leaf display. * Interpret a dotplot. * Describe a histogram by giving its shape, center, and spread. * Identify the shape of a histogram in one of several ways:   unimodal, bimodal, uniform, symmetric, left-skewed, right skewed.   * Identify the center of a distribution by stating the median, mean, and mode. * Find the first and third quartiles. * Find the interquartile range. * Report the Five-Number Summary: minimum, 1st quartile, median, 3rd quartile, maximum. * Know that the 2nd quartile is usually known as the median. * Identify the spread of a sample distribution by computing the range, interquartile range, sample variance, and sample standard deviation. * Create/interpret a boxplot. * Know how to find the outliers of a distribution by using both Tukey’s Rule and by using your TI-84 calculator.   **Technology:** TI-84 plus graphing calculator  **Notes:**  Sample variance and sample standard deviation are measures of spread of a distribution.  What is the symbol for sample variance?  What is the symbol for sample standard deviation?  Calculating sample standard deviation ...  ***MONDAY (10.14.24*) STUDENT HOLIDAY**  ***WEDNESDAY (10.16.24*)**  **Discuss the previously assigned problems:** Pages 81 – 83 (#34 – 40).  **Review: Calculating Statistics \_Handout**  **Class Work/Homework:** Pages 84, 85 (#46 – 49).  ***FRIDAY (10.18.24*)**  **Discuss the previously assigned problems:** Pages 84, 85 (#46 – 49).  **Class Work/Homework:**  Page 85 (#50 – 52, 54). |
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