|  |
| --- |
| **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 (10.7.24*)**  **Discuss the previously assigned problems:**   * Page 84 (#41, 43, 45). * Find the sample variance and sample standard deviation for the following data sets “by hand.” Round your final answers to the nearest tenth. Check by using the *1-Variable Statistics* option on your TI-84 graphing calculator.  1. **The weights in pounds for 6 puppies in the Lake City Humane Shelter are as follows: 5, 6, 10, 12, 15, 19.** 2. **The High Temperatures Recorded in Degrees Fahrenheit for August 1 – 6, 2022, in Valley City, are as follows: 78, 76, 88, 102, 93, 97.**   **Class Work/Homework:**  **Read and take notes on pages 69 – 77.**   * Pages 81 – 83 (#30 – 35).   ***WEDNESDAY (10.9.24*)**  **Discuss the previously assigned problems:** Pages 81 – 83 (#30 – 35).  **Class Work/Homework:** Page 83 (#36 – 40).  ***FRIDAY (10.11.24*) \_\_ B-DAY, NO CLASS** |
|  |