|  |
| --- |
| **Chapter 4, *Telling the Stories of Quantitative Data***  **OBJECTIVES (Pages 90 – 107)**   * Be able to compare groups with histograms. * Be able to compare groups with stem-and-leaf displays. * Be able to compare groups with boxplots. * Understand the computation and significance of outliers. * Calculate measures of the center of a distribution: mean, median. * Calculate measures of position of a distribution: min, Q1, Q3, max. * Calculate measure of spread of a distribution: range, IQR, sample standard deviation, sample variance. * Know that **shifting** data occurs when you add or subtract the same number from each value in your sample. Observe that shifting affects measures of the center (mean, median) and position (min, Q1, Q3, max) by the adding or subtracting of that same amount but does **not** affect the measures of spread (range, IQR, sample standard deviation, and sample variance). * Know that **rescaling** data occurs when you multiply or divide all the data in your sample by a number. Observe that rescaling changes ALL the summary statistics by the scaled amount.   **Technology:** TI-84 plus graphing calculator  ***WEDNESDAY (11.6.24*)**  **Any further questions about these problems?**   * Pages 107, 108 (2) * Page 109 (11, 13)   **Class Work/Homework:** *Shifting and Rescaling the Weights of 6 Pumpkins in Pounds*  Complete the table that you will receive in class.  **Homework**:   * Page 110 (17, 19) * Pages 110, 111 (20 – 23)   ***FRIDAY (11.8.24*) \_\_ B-Day, No Class** |
|  |