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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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