Discussion Questions

# Chapter #10: Analyzing Quantitative Data

1. How does an increasing sample size affect measures of central tendency (mean, median, and mode) in a data set that is skewed?
2. Why is it important to consider the presence of outliers in your data?
3. You have collected data on city of origin from a sample of 200 people. You note that there are 50 cities represented in this data set. Discuss whether a pie chart would be the best way for you to present this information. Why or why not?
4. You plot the distribution of a variable and note that the variable is normally distributed. What does this suggest about the values of the mean, median, and mode?