

QM213 Review Questions Week 6: Descriptive Statistics

1. The mean, median, and mode are all potentially measures of
2. Which of the following provides a measure of central tendency for the data?
3. Which of the following is NOT a measure of dispersion for the data?
4. Which of the following provides a measure of central tendency for the data?
5. Which of the following provides a measure of central tendency for the data?
6. The statistics that summarize data in terms of what most of them are like are called statistics of
7. Which of the following provides a measure of central tendency for the data?
8. In Excel, you can compute the mean of a dataset using the
9. When given the frequency distribution showing that the average weight of 20 women in a sample was 100 lbs and the average weight of 10 men was 150 lbs, you can easily calculate that the average weight for the entire sample of 30 people was approximately
10. What is the effect of a large outlier on the arithmetic mean?
11. The median is the ideal measure of the central tendency when the population
12. In a preliminary study of muscle strengths in student athletes, a small sample has these values: 3.2, 4.8, 4.9, 5.1, 5.5. Which value is the median?
13. In a preliminary study of muscle strengths in student athletes, a small sample has these values: 3.2, 4.8, 4.9, 5.1, 5.5, 6.2. What is the median?
14. The mode of a Normal curve occurs at
15. The frequency distribution for the sensitivity to flavors in a sample of ice-cream customers shows two peaks. This is called a
16. The middle value of a ranked series of observations is known as the
17. A bimodal frequency distribution is sometimes the result of
18. The square of the standard deviation is called the
19. Variance is a measure of
20. Standard deviation is a measure of
21. The difference between the maximum value and the minimum value is called the
22. The average sum of squared deviations from the mean is called the
23. The square root of the variance is called the
24. Which of the following statistics is a sample estimator?
25. Which of the following statistics is a parameter?
26. Which of the following provides a measure of dispersion for the data?
27. The symbol s is used as a measure of dispersion. What is the usual meaning of s ?
28. The symbol σ is used as a measure of dispersion. What is the usual meaning of σ ?
29. The variance of a sample of 100 elements taken from a very large population is determined to be 360. The variance of the population
30. What does the following Excel function calculate? AVERAGE
31. What does the following Excel function calculate? MEDIAN
32. What does the following Excel function calculate? MODE
33. What does the following Excel function calculate? VARP(data)
34. What does the following Excel function calculate? VAR(data)
35. What does the following Excel function calculate? STDEVP (data)
36. What does the following Excel function calculate? STDEV (data)
37. What is the Excel function that calculates a parametric variance?
38. What is the Excel function that calculates a sample variance?
39. What is the Excel function that calculates a parametric standard deviation?
40. What is the Excel function that calculates a sample standard deviation?