

II. Fill in the blanks

1. The mean of a distribution is 14 and the standard deviation is 5. What is the value of the coefficient of variation 35.7%
2. The mean of a distribution is 23, the median is 24, and the mode is 25.5. It is most likely that this distribution is Negatively Skewed
3. Which of the following describe the middle part of a group of numbers Measure of Central Tendency
4. According to the empirical rule, approximately. What percent of the data should lie within 95%
5. The sum of the deviations about the mean is always zero
6. The middle value of an ordered array of numbers is the median
7. Which of the following is not a measure of central tendency standard deviation
8. Which of the following divides a group of data into four subgroups quartiles
9. If the standard deviation of a population is 9, the population variance is 81
10. If a distribution is abnormally tall and peaked, then it can be said that the distribution is leptokurtic
11. Any measure indicating the centre of a set of data, arranged in an increasing or decreasing order of magnitude, is called a measure of Central tendency
12. Scores that differ greatly from the measures of central tendency are called extreme scores
13. The measure of central tendency listed below is the mean
14. The total of all the observations divided by the number of observations is called arithmetic mean
15. While computing the arithmetic mean of a frequency distribution, the each value of a class is considered equal to lower limit
16. Change of origin and scale is used for calculation of the arithmetic mean
17. The sample mean is a statistic
18. The population mean μ is called parameter
19. The arithmetic mean is highly affected by extremely large values
20. If a constant value is added to every observation of data, then arithmetic mean is obtained by adding the constant

III. Short Answers.

1. Define statistics?
2. Types of statistical methods?
3. Define DATA?
4. DATA Array?
5. Types of tables?
6. Measure of centre tendency?
7. Relationship between partition values?
8. Relationship between mean, median mode?
9. Measure of dispersion?
10. Define Range?