

STATISTICS WORKSHEET-2

1. What represent a population Parameter?

Ans- C

Note:

Population is a number that describes something about an entire group of population.

Normal Distribution and their population parameters:

- Mean, Variance, Standard deviation

Binomial Distribution

- Number of trials/success probability

Poisson Distribution

- Mean

2. What will be median of following set of scores (18,6,12,10,15)?

Ans: C

Note: Need to sort them and pick the middle

6,10,12,15,18

3. What is a Standard Deviation?

Ans: D

4. The intervals should be _____ in a grouped frequency distribution.

Ans: C

Note: Class intervals are generally equal in width and are mutually exclusive. The ends of a class interval are called class limits, and the middle of an interval is called a class mark.

5. What is the goal of descriptive statistics?

Ans: D

Note: To Simplify, Organize and Summarize.

6. A set of data organized in a participant by variables format is called

Ans: B

Note: Data Set goes for train and test and outcome is taken

7. In multiple regression, _____ independent variables are used?

Ans: A

Note: In Simple Linear Regression we have only 1, But for Multiple Regression we have 2 or More.

8. Which of the following is used when you want to visually examine the relationship between 2 quantitative variables?

Ans: C

Note: Bar Graph gives Quantity, Line Graph used for Time, Scatter plot is used to check Correlation, sections to illustrate the numerical problems, Pie Graph To illustrate the numerical Problem

9. Two or more groups means are compared by using?

Ans: D

Note: ANNOA used to Test the Variance

10. _____ is a raw score which has been transformed into standard deviation units?

Ans: A

Note: Raw scores that have been transformed into standard deviation units are called z scores.

11. _____ is the value calculated when you want the arithmetic average?

Ans: Mean

12. Find the Mean of all these set of number (4,6,7,9,2000000)?

Ans: D

Note: Formula stands $\text{sum of all numbers} / \text{Total numbers}$

13. _____ is a measure of central tendency that takes into account the magnitude of scores?

Note: C

Note: The median can be easily computed by sorting the data from smallest to largest and counting the middle value

14. . _____ focuses on describing or explaining data whereas _____ involves going beyond immediate data and making inferences.

Ans: Descriptive and inferences

15. What is the formula for range?

Ans: D

Note: $X_{\max} - X_{\min}$ (High to Low)