Statistics Worksheet

Multiple Choice Questions

1. 1. True
2. 2. Central Limit Theorem
3. 3. Modeling bounded count data
4. 4. All of the mentioned
5. 5. Poisson
6. 6. False
7. 7. Hypothesis
8. 8. 0
9. 9. None of the mentioned

Subjective Questions

10. What do you understand by the term Normal Distribution?

It is a continuous probability distribution that is symmetric about the mean, showing that data near the mean are more frequent in occurrence than data far from the mean.

11. How do you handle missing data? What imputation techniques do you recommend?

Techniques include deletion, mean/mode/median imputation, regression imputation, and more advanced methods like KNN and multiple imputation.

12. What is A/B testing?

It is a method of comparing two versions of a webpage or app against each other to determine which one performs better.

13. Is mean imputation of missing data acceptable practice?

It is generally not recommended as it can reduce variability in the data and lead to biased statistical inferences.

14. What is linear regression in statistics?

It is a statistical method for modeling the relationship between a dependent variable and one or more independent variables.

15. What are the various branches of statistics?

Descriptive Statistics, Inferential Statistics, Predictive Analytics, Prescriptive Analytics, Exploratory Data Analysis.