Statistic

Answer: 0

- 9. Which of the following statement is incorrect with respect to outliers?
- a) Outliers can have varying degrees of influence b) Outliers can be the result of spurious or real processes c) Outliers cannot conform to the regression relationship d) None of the mentioned

Answer: Outliers cannot conform to the regression relationship

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

Answer: Normal distribution is also known as Gaussian distribution, it is a probability distribution that is symmetric about the mean, Showing that data near mean are more frequent in occurrence than data far from the mean. In graphical form it appear like a bell curve. In a normal distribution the mean is 0 and the standard devition is 1.

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

Answer: Missing data appear when no value is available in one or more variables of an individual. We can handle missing data by deletions and basic imputation techniques. K-Nearest Neighbour Imputation is a best imputation techniques.

12. What is A/B testing?

Answer: A/B testing is basically Statistical hypothesis testing, we can call it Statistical inference. It is an analytical method for making decision that estimates population parameters based on sample statistics.

13. Is mean imputation of missing data acceptable practice?

Answer: NO, Mean imputation is typically considered terrible practice since it ignores feature correlation. Mean imputation decreases the variance of our data while increasing bias. As a result of the reduced variance, the model is less accurate and the confidence interval is narrower.

14. What is linear regression in statistics?

Answer: Linear regression is a kind of statistical analysis that attempts to show a relationship between two variables. Linear regression looks at various data points and plots a tend line.

15. What are the various branches of statistics?

Answer: The two main branches of statistics are Descriptive statistics and Inferential statistics.