

Assignments Statistics :

Answer 1 :

a) True

Answer 2 :

a) Central Limit Theorem

Answer 3 :

b) Modeling bounded count data

Answer 4 :

c) The square of a standard normal random variable follows what is called chi-squared distribution

Answer 5 :

c) Poisson

Answer 6 :

b) False

Answer 7 :

b) Hypothesis

Answer 8 :

a) 0

Answer 9 :

c) Outliers cannot conform to the regression relationship

Answer 10 :

The term Normal Distribution refers to a specific statistical distribution that is symmetrically shaped and follows a specific mathematical form known as the normal probability density function

Answer 11 :

Missing data can be handle by using different Imputation Techniques

Recommended Imputation are as follows

List-Wise Deletion

Mean, Median & Mode Imputation

K-Nearest Neighbor Imputation

Answer 12 :

A/B testing, is a method used in marketing, product development, and user experience research to compare two versions of a product to determine which one performs better.

Answer 13 :

Mean imputation might be acceptable in situations where the missing data is completely random and the assumptions underlying mean imputation are met.

Answer 14 :

Linear regression is a statistical method used to model the relationship between a dependent variable and one or more independent variables by fitting a linear equation to the observed data.

Answer 15 :

Various Branches of Statistics are as follows :

Descriptive Statistics

Inferential Statistics

Spatial Statistics

Bayesian Statistics