

STATISTIC WORKSHEET-1

1. a) True
2. a) Central Limit Theorem
3. b) Modeling bounded count data
4. d) All of the mentioned
5. c) Poisson
6. b) False
7. b) Hypothesis
8. a) 0
9. c) Outliers cannot conform to the regression relationship
10. Normal Distribution is the probability distribution of data. Normal distribution is also known as gaussian distribution. The distribution data will be in the shape of a bell. The mean and median will be equal for a normal distribution. In a normal distribution, 68% data will be in 1st standard deviation, 95% data will be in 2nd standard deviation and the 99.7% data will be in the 3rd standard deviation.
11. If any data is missing in the dataset, will try to find the average of the other data to get a similar data for the missing ones otherwise remove them from the dataset.
12. A/B Testing is also known as split testing. It is a method of solving a problem by two different ways to find out which one performs better.
13. Mean imputation replaces the missing values of a variable by the mean of non-missing values of that variable.
14. Linear Regression in statistics is used to make predictions about data. It is a way to model a relationship between two sets of variables. The result is a linear regression equation that can be used to make prediction about data.
15. Descriptive statistics and Inferential statistics