

Assignment no.2

Q.1)MCQ

1.A

2.A

3.B

4.D

5.C

6.B

7.B

8.A

9.C

Ans.10)Normal Distribution is a 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. In graphical form, the normal distribution appears as a "bell curve".

Ans.11)We can handle missing data with the help of mean,median,mode.We can also use imputation method.

Some of the various data imputation techniques are:

- 1.Next or Previous Value.
- 2.K Nearest Neighbors.
- 3.Maximum or Minimum Value.
- 4.Missing Value Prediction.
- 5.Most Frequent Value.
- 6.Average or Linear Interpolation.
- 7.(Rounded) Mean or Moving Average or Median Value.
- 8.Fixed Value.

Ans.12)A/B testing is essentially an experiment where two or more variants of a page are shown to users at random, and statistical analysis is used to determine which variation performs better for a given conversion goal.

Ans.13)It is acceptable when the missing value proportion is not large enough.

Ans.14) Linear regression is a statistical method that tries to show a relationship between variables. It looks at different data points and plots a trend line.

Ans.15) There are two types of statistics i. e

a.Descriptive

b.Inferential