

## STATISTICS WORKSHEET-1

Q1.write correct question

1-a

2-a

3-c

4-d

5-c

6-b

7-b

8-a

9-c

## Q-subjective answer

### 10-normal distribution

Ans- In stastic Normal distribution is also called Normal curve. Data are symmetrically distributed around mean, median, and mode. The form of normal distribution is determined by its mean and standard deviation. The normal distribution is probability distribution that describes many common datasets in real world. It is the most common type distribution. And it arise in stastic through random sampling

### 11-HOW TO HANDLE MISSING DATA? INPUTATION TECHNIQUES?

Ans-for missing data

- 1-Delete record missing values
- 2-Create a seprate model to handle missing value
- 3-Stastic method mean, median, mode

#### Imputation Technique-

- 1-using Mean/median values
- 2-k-NN
- 3-Frequent values

### Q-3-What is A/B testing

Ans- It is also known as split testing, it is a method of comparing two versions of a webpage or app against each other to determine which perform better.

### Q-4 Is mean imputation of missing data is acceptable practice?

Ans-no it is not acceptable practice, it decreases the variance of our data while increasing bias, as a result the model is less accurate

### Q-5-What is linear regression in statistics?

Ans-Linear regression is a regression model that estimates the relationship between one independent variable and one dependent variable using a straight line

### Q-6-What are the various branches of statistics?

Ans- Branches -1-Descriptive

2-Inferential