

# MACHINE LEARNING

A1- Least square error

A2- linear regression is sensitive to outliers

A3- Positive

A4- correlation

A5-

A6- predictive modal

A7- regularization

A8- kernel

A9-

A10- true

A11-Apply PCA to project high dimensional data

A12-

A13- Regularizations are techniques used to reduce the error by fitting a function appropriately on the  
Given training set and avoid overfitting.

A14- Ridge regression, lasso, dropout.

A15- The error term expresses the difference between the actual outcome variables and the outcome  
Variables predicted by the modal.

## PYTHON WORKSHEET

A1) %

A2) 0.67

A3) 24

A4) 2

A5) 6

A6) the finally block will be executed no matter if the try block raises an error or not

A7) it is used to raise an exception

A8) in defining a generator

A9) \_abc

A10) (D) all of the above

## STATISTICS WORKSHEET-1

1-A

2-A

3-B

4-

5-C

6-B

7-B

8-A

9-C

10-Normal distribution is a continuous probability distribution wherein values lie a symmetrical mostly situated around the mean.

11-missing data can be dealt with in a variety of ways. I believe the most common reaction is to ignore it. Choosing to make no decisions, on the other hand, indicates that your statistical programme will make the decision for you.

Imputation techniques used-

Mean imputation

Substitution

Regression imputation

Single or multiple imputation

12- A/B testing is a user experience research. It consist of a randomized experiment with two variants A and B. a\b testing also known as split testing. It is one of the most effective ways to increase conversion rates.

13-

14- linear regression is a regression model that estimates the relationship between one independent variable and one dependent variable using a straight line. Both variables should be quantitative.

15-there are two kinds of statistics , which are descriptive statistics and inferential statistics.

