

## MACHINE LEARNING ASSESMENT

1.A

2.A

3.B

4.B

5.A

6.B

7.D

8.D

9.C

10-B

11.B

12.A,B&C

13-Regularisation is a technique used to reduce error by fitting the function approximately on the given trainingset and avoiding overfitting.

14-there are three regularization algorithms:

1.Ridge regression

2.LASSO

DROPOUT

15-The vertical distance between the data point and regression line is known as the error.

## PYTHON ASSESSMENT

1.C

2.B

3.C

4.A

5.D

6.C

7.A

8.C

9.B&C

10.B&C

## STATISTICS

1.A

2.B

3.B

4.D

5.C

6.B

7.B

8.A

9.C

10-THE Normal distribution describes a symmetrical plot of data around its mean value where the width of the curve is defined by standard deviation.

11-missing data can be handled by-dropping the values, deleting the observation (not always recommended), replacing the value with mean median and mode of observation, predicting value with regression, finding approx value with clustering, imputation techniques.

Imputation techniques are 1.mean imputation, 2.substitution, 3.hot deck imputation, cold deck imputation, regression imputation.

12-A/B testing is a scientific method used to compare two versions of a website app or advertisement to determine which has best performance.

13-Mean imputation is normally considered a terrible practice since it ignores features correlation.

14-Linear regression is used to predict the value of a variable based on value of another variable.

15-the main branches of statistics are: 1. Descriptive statistics

2. Inferential Statistics