

## MACHINE LEARNING ASSIGNMENT

1.A

2.A

3.B

4.C

5.C

6.B

7.D

8.B

9.A

10.B

11.A

12.A

13.REGULARISATION IS A technique used in machine learning to avoid overfitting in models and there are two techniques available in regularisation

1.LASSO

2.RIDGE

14.LASSO AND RIDGE these are the two algorithms available in regularisation

15.ERROR present in linear regression is the difference between the actual value and the predicted value by the model.

## PHYTON ASSIGNMENT

1.c

2.B

3.C

4.D

5.D

6.C

7.A

8.C

9.A

10.D

11.

## STATISTICS WORKSHEET

1.A

2.A

3.C

4.C

5.C

6.B

7.B

8.A

9.C

10.Normal Distribution is a probability function that specifies how the values of a variable are distributed.It is symmetric since most of the observations assemble around the central peak of the curve.

11.we can impute missing values in python data frame using various techniques such as mean,mode median .we use fillna() method of a pandas dataframe to perform imputation.

12

A/B Testing data science is a scientific method of comparing two version of a website,app or advertisement to determine which performs better

13.

Yes,mean imputation of data is acceptable practice where the data is continuous.

14.when we have one feature to determine label that algorithm is called linear regression

$$Y=mx+c$$

15 There are two branches of statistics

1.descriptive

2.Inferential