MACHINE LEARNING

1 A) Least square error

2 A) Linear regression is sensitive to outliers

3 B) Negative

4 B) Correlation

5 C) Low bias and high variance

6 B) Predictive modal

7 D) Regularization

8 D) SMOTE

9 C) Sensitivity and Specificity

10 B)False

11 B) Apply PCA tp project high dimensional data

12 A),B),C)

SUBJECTIVE QUESTIONS

13 While training a machine learning model,the model can easily be overfitted or underfitted. To avoid this we use regularization in machine learning to properly fit a model onto our test set.Regularization techniques help reduce the chances of overfitting and underfitting and help us getting an optimal model.

14 LASSO and RIDGE are particular algorithms used for regularization.

15 In Linear Regression equation , the term error represents the difference between the observed value of the dependent variable and the value predicted by the regression model. Term Error is an important component of regression analysis as it reflects the presence of unobserved factors that affect the dependent variable.