

## 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 to project high dimensional data
12. A,B &C
13. It is a technique to prevent the model from overfitting by adding extra information to it.
14. There are three main regularization techniques are
  - Ridge Regression
  - Lasso
  - Dropout
15. Error is the difference between the actual value and Predicted value and the goal is to reduce this difference. The vertical distance between the data point and the regression line is known as error