ML WORKSHEET:

1. (a) Least Squared Error
2. (a) Linear Regression is sensitive to outliers
3. (b) negative
4. (b) Correlation
5. (c) High Variance & Low Bias
6. (d) All of the above
7. (d) Regularization
8. (d) SMOTE
9. (c) Sensitivity & Specificity
10. (b) False
11. (b) Apply PCA to project High Dimensional Data
12. (a) (b) (c)
13. This is a type of regression in which the coefficient estimates are constrained, regularized, or shrunk towards zero. In other words, to reduce the danger of overfitting, this method inhibits learning a more sophisticated or flexible model.
14. Ridge Regression | LASSO (Least Absolute Shrinkage and Selection Operator) Regression | Elastic-Net Regression
15. In most cases, mean-square error (MSE) is used to calculate the model's error in linear regression. At each value of x, the MSE is determined by calculating the distance between the observed and predicted y-values.