WORKSHEET ---- 1

MACHINE LEARNING

Q1. Ans- A] Least Square Error

Q2. Ans- A] Linear Regression is sensitive to outliers

Q3. Ans- B] Negative

Q4. Ans- B] Correlation

Q5. Ans- C] Low bais and high variance

Q6. Ans- B] Descriptive Model

Q7. Ans- D] Regularization

Q8. Ans- D] SMOTE

Q9. Ans- A] TPR and FPR

Q10. Ans- B] False

Q11. Ans- B] Applying PCA to project high diamensional data

Q12. Ans- A] We do not have to choose the learning rate.

B] It becomes slow when number of features is very large.

Q13. Ans-

One of the major aspects of training your machine learning model is avoiding overfitting. The model will have a low accuracy if it is overfitting. This happens because your model is trying too hard to capture the noise in your training dataset. By noise we mean the data points that don't really represent the true properties of your data, but random chance. Learning such data points, makes your model more flexible, at the risk of overfitting.

Q14. Ans-

LASSO, Ridge regression, Elastic-net regression is used for Regularization

Q15. Ans-

Error is the difference between the actual value and Predicted value and the goal is to reduce this difference.