MachineLearning_assignment_Answeersheet

Q1. Answer: A) Least Square Error

Q2. Answer: A) Linear regression is sensitive to outliers

Q3. Answer: B) Negative

Q4. Answer: A) Regression

Q5. Answer: C) Low bias and high variance

Q6. Answer: B) Predictive modal

Q7. Answer: D) Regularization

Q8. Answer: D) SMOTE

Q9. Answer: A) TPR and FPR

Q10. Answer: A) True

Q11. Answer: B) Apply PCA to project high dimensional data

Q12. Answer: A) We don't have to choose the learning rate.

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

C) We need to iterate.

Q13. Answer: The word regularize means to make things regular or acceptable. This is exactly why we use it for. Regularizations are techniques used to reduce the error by fitting a function appropriately on the given training set and avoid overfitting.

Q14. Answer:

-   Ridge Regression
-   LASSO (Least Absolute Shrinkage and Selection Operator) Regression
-   Elastic-Net Regression

Q15. Answer: Within a **linear** regression model tracking a stock's price over time, the error term is the difference between the expected price at a particular time and the price that was actually observed.