MACHINE LEARNING

Objective answer type question

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 bias and high variance
Q6. Ans: - b) Predictive modal
Q7. Ans: - d) Regularization
Q8. Ans: - d) SMOTE
Q9. Ans: - a) TPR and FPR
Q10.Ans:- a) True
Q11.Ans:- b) Apply PCA to project high dimensional data
Q12.Ans:- a) We don't have to choose the learning rate
            b) It becomes slow when number of features is very large

Subjective answer type questions

Q13. Ans: - Regularization is a form of regression, that constrains/ regularizes or shrinks the coefficient estimates towards zero.

Q14. Ans: - Algorithms are used for regularization:
- Ridge Regression
- LASSO (Least Absolute Shrinkage and Selection Operator) Regression
- Elastic-Net Regression
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Q15. Ans: - Error present in linear regression equation are the differences between observed and predicted values of data. They are a diagnostic measure used when assessing the quality of a model. They are also known as residual errors.