

MachineLearning_assignment

1. A) Least Square Error
2. A) Linear Regression is sensitive to outliers
3. B) Negative
4. B) Correlation
5. A) High bias and high variance
6. B) Predictive model
7. D) Regularization
8. A) Cross Validation
9. A) TPR and FPR
10. B) False
11. B) Apply PCA to project high dimensional data
12. A) It does make use of dependent variables
13. Regularization is the techniques that can be used in machine learning in order to control the risk of overfitting and underfitting. In other words, regularization uses a technique to reduce the complexity of the model and to shrink the co-efficients of the independent features.
14. Algorithms used for regularization are Ridge regression, LASSO regression and Elastic-Net regression.
15. Error present in linear regression equation shows the way observed data differs from the actual population. When there is some amount at which the equation differs during empirical analysis, then there is an error present.