

Machine Learning

(Answers)

1. (A) Least Square Error
2. (A) Linear regression is sensitive to outliers
3. (B) Negative
4. (C) Both of them
5. (C) Low bias and high variance
6. (C) Reinforcement learning
7. (B) Removing outliers
8. (A) Cross validation
9. (C) Sensitivity and Specificity
10. (A) True
11. (B) Apply PCA to project high dimensional data
12. (A), (B) and (C)
13. Regularization is the process which help to prevent overfitting of the data. It help data to avoid complex model, which can give us more overfittings. It keeps data simple and clear.
14. Following algorithms are used for regularization:
 - a. Ridge Regression
 - b. Lasso
 - c. Elastic-Net Regression
15. Error present in linear regression equation:- it means there is variance between the observe and actual data.