

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. B) Predictive modal
7. D) Regularization
8. D) SMOTE
9. A) TPR and FPR
10. B) False
11. B) Apply PCA to project high dimensional data
12. 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.

13. Regularization is technique in ML to prevent overfitting and improve generalization performance of model.

14. Regularization algorithms are 1) Lasso Regularization 2) Ridge Regularization

15. An error term represent the margin of the sum of deviation within the regression line, which provides an explanation different between the theoretical value of the model and actual observed model.