Machine Learning

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 model

7. D. Regularization

8. D. SMOTE

9. A. TPR and FPR

10. A. True

11. C. Apply PCA to project high dimensional data

12. A and B

13. For different reasons (complex models, presence of outliers and so on), there might be an instance of overfitting. To make the model simple and reduce overfitting, we need the process Regularization.

14. Lasso, Ridge and Dropout are commonly used methods or algorithms of regularization.

15. “Error” in linear regression equation can be considered as the difference or gap between the expectance of value and the value which I observed.