

Machine Learning

1. Which of the following methods do we use to find the best fit line for data in Linear Regression?

Ans. Least square error.

2. Which of the following statement is true about outliers in linear regression?

Ans. Linear Regression is sensitive to outliers.

3. A line falls from left to right if a slope is _____?

Ans. Negative

4. Which of the following will have symmetric relation between dependent and independent variable?

Ans. Correlation

5. Which of the following is the reason for over fitting condition?

Ans. High bias and high variance

6. If output involves label then that model is called as :

Ans. Predictive Model

7. Lasso and Ridge regression techniques belongs to _____?

Ans. Regularisation

8. To overcome with imbalance dataset which technique can be used?

Ans. Smote

9. The AUC Receiver Operator Characteristic (AUCROC) curve is an evaluation metric for binary classification problems. It uses _____ to make graph?

Ans. TPR and FPR

10. In AUC Receiver Characteristic (AUCROC) curve for the better model area under the curve should be less.

Ans. False

11. _____

12. Which of the following is true about Normal Equation to compute the coefficient of the Linear Regression?

Ans. We need to iterate.

13. REGULARIZATION:

When we build a model using regression , there is chance that model overfit the dataset. Then, Regularization helps to avoid that model cannot overfit. It restricts the degree of freedom.

14. Algorithms used for regularization:

1. LASSO
2. RIDGE
3. ELASTICNET

15. Error:

The term error most often uses in linear regression to calculate the error of the model.