

In Q1 to Q11, only one option is correct, choose the correct option:

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

A) Least Square Error

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

A) Linear regression is sensitive to outliers

3. A-line falls from left to right if a slope is \_\_\_\_\_?

B) Negative

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

B) Correlation

5. Which of the following is the reason for the overfitting condition?

C) Low bias and high variance

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

A) Descriptive model

7. Lasso and Ridge regression techniques belong to \_\_\_\_\_?

A) Cross-validation

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

D) SMOTE

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

A) TPR and FPR

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

B) False

11. Pick the feature extraction from below:

B) Apply PCA to project high dimensional data

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

A) We don't have to choose the learning rate.

B) It becomes slow when number of features is very large.