

Answers

1.

Least Square Error

2.

Linear regression is sensitive to outliers

3.

Negative

4.

Correlation

5.

Low bias and high variance

6.

Predictive modal

7.

Removing outliers

8.

SMOTE

9.

TPR AND FPR

10.False

11

Apply PCA to project high dimensional data

12.

A)We don't have to chose the learning rate

B)It becomes slow when number of features is vey large

13.

Regularization refers to techniques that are used to calibrate machine learning models in order to minimize the adjusted loss function and prevent overfitting or underfitting. Using Regularization, we can fit our machine learning model appropriately on a given test set and hence reduce the errors in it.

14.

algorithms are used for regularization are-

- Ridge Regression
- LASSO (Least Absolute Shrinkage and Selection Operator) Regression
- Elastic-Net Regression

15.

An error term is a residual variable produced by a statistical or mathematical model, which is created when the model does not fully represent the actual relationship between the independent variables and the dependent variables. As a result of this incomplete relationship, the error term is the amount at which the equation may differ during empirical analysis.