ASSIGNMENT – 39

MACHINE LEARNING

ANSWERS

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

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

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

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

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

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

7. Lasso and Ridge regression techniques belong to _____?
Ans: D

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

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

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

11. Pick the feature extraction from below:
Ans: B

12 Which of the following is true about Normal Equation used to compute the coefficient of the Linear Regression?
Ans: A AND B

13. Explain the term regularization?
Ans: Regularization refers to techniques that are used to prevent overfitting and Underfitting of the model.When we use regression models to train some data, there is good chance that the model will overfit the given training data set. It helps sort this overfitting problem by restriciting the degrees of freedom of a given equation.

14. Which particular algorithms are used for regularization?
Ans: 1- Lasso , 2- Ridge, 3- Elastic Net

15. Explain the term error present in linear regression equation?
Ans: The vertical distance between the data point and the regression line is called as the error or residual. In other words it is the difference between the actual value and the predicted value.