Machine Learning

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

1. Which of the following method do we use to find the best fit line for data in linear regration?

A) Least Square Error.

2. Which of the following statesments 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 <u>Negative?</u>

4   Which of the following will have symmetric relation between dependent

Variable and independent variable?

A)   Regression

5   Which of the following is the reason for over filting condition?

D)   None of these

6   If output involves lable then that modal is called us:

B)   Predictive Modal.

7   Lasso and Ridge regression techniqes belong to

B)   Regularization

8   To over come with in balance dataset which technique can be used?

C)   Kernel

9   The AUC Receiver Operatore Charecterstic (AUCROC) curve is an evalution

Metric for binary classification problems. It uses <u>TPR and FPR</u> to make graph?

10   In AUC Receiver oprater charectorstic (AUCROC) curve for the better modol

Area under the curve should be less.

B)   False

11   Pick the feature extraction from below:

D)   Forword selection.

In Q 12 more than one option are correct , choose all the correct option:

12   Which of the following is true about normal equation used to compute the

Coefficient of the linear regression?

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

13   Explain the team regularization?

Ans: The act of the changing a situation or system so that it flows laws or rules,

Or is based on reason. They are deamanding higher wages and the

Reqularization of the working conditions the reqularization of

Undocumention workers.

14   Which particular algorithms are used for reqularization?

Ans: There are three main reqularization techniques, namely Ridge Regression

(L2 Norm) Lasso (L, Norm) Dropout.

15   Explain the term error present in linear rerassion equation?

Ans: An error term represents the margin of error within a statistical modal, it

Refer to the sum of the diviations within the reqression line , which

Provides an explaination for the difference between the articular value

Of the modal and actual observed results.