

MACHINE LEARNING

Q1. Which of the following methods do we use to find the best fit line for data in Linear Regression?

Ans. A) Least Square Error

Q2. Which of the following statement is true about outliers in linear regression?

Ans. A) Linear regression is sensitive to outliers

Q3. A line falls from left to right if a slope is _____?

Ans. B) Negative

Q4. Which of the following will have symmetric relation between dependent variable and independent variable?

Ans. B) Correlation

Q5. Which of the following is the reason for over fitting condition?

Ans. C) Low bias and high variance

Q6. If output involves label then that model is called as:

Ans. Predictive modal

Q7. Lasso and Ridge regression techniques belong to _____

Ans. D) Regularization

Q8. To overcome with imbalance dataset which technique can be used?

Ans. D) SMOTE

Q9. The AUC Receiver Operator Characteristic (AUCROC) curve is an evaluation metric for binary classification problems. It uses _____ to make graph?

Ans.

Q10. In AUC Receiver Operator Characteristic (AUCROC) curve for the better model area under the curve should be less

Ans.

Q11. Pick the feature extraction from below:

Ans. Removing stop words

Q12. Which of the following is true about Normal Equation used to compute the coefficient of the Linear Regression?

Ans. A, B, C

Q13. Explain the term regularization?

Ans. Regularization is a technique for reducing errors and avoiding overfitting by fitting the function to the given training set appropriately.

Q14. Which particular algorithms are used for regularization?

Ans. 1. Ridge Regression, 2. Lasso , 3. Dropout

Q15. Explain the term error present in linear regression equation?.

Ans. The difference between the actual value and the predicted value is called an error.