

MACHINE LEARNING

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

- A) Least Square Error
- B) Maximum Likelihood
- C) Logarithmic Loss
- D) Both A and B

Answer for the above is – “A”

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

- A) Linear regression is sensitive to outliers
- B) Linear regression is not sensitive to outliers
- C) Can't say
- D) none of these

Answer for the above is - “A”

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

- A) Positive
- B) Negative
- C) Zero
- D) Undefined

Answer for the above is- “B”

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

- A) Regression
- B) Correlation
- C) Both of them
- D) None of these

Answer for the above is- “B”

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

- A) High bias and high variance
- B) Low bias and low variance
- C) Low bias and high variance
- D) None of the above

Answer for the above is- “C”

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

- A) Descriptive model
- B) Predictive model
- C) Reinforcement learning
- D) All of the above

Answer for the above is- “B”

7. Lasso and Ridge regression techniques belong to _____?

- A) Cross validation
- B) Removing outliers
- C) SMOTE
- D) Regularization

Answer for the above is- “D”

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

- A) Cross Validation
- B) Regularization
- C) Kernel
- D) SMOTE

Answer for the above is-“D”

- Answer for the above is-“A”**

- Answer for the above is- “A”**

- We don't have Answer for the above is- "D"

- Answer for the above is – “A,B,C”**

- A regression equation is the formula for a straight line — in this case, the best-fit line through a scatterplot of data. If there were no error, all the data points would be located on the regression line; to the extent they are not represents error; this is what the error term summarizes.