

MACHINE LEARNING

1. A
2. A
3. A
4. B
5. C
6. B
7. D
8. D
9. A
- 10.A
- 11.A
- 12.B AND C

Explain the term regularization ?(Q 13)

Regularization is the technique that prevents the model from overfitting . It is a form of regression that shrinks the coefficient estimates towards zero. This technique reduce the complex learning of algorithm hence avoid overfitting.

Which particular algorithms are used for regularization ?(Q 14)

There are two main types of regularization techniques

LAASSO REGULARIZATION

It stands for Least Absolute and Selection Operator. It modifies the over-fitted or under-fitted models by adding the penalty equivalent to the sum of the absolute values of coefficients.

RIDGE REGULARIZATION

it modifies the over-fitted or under fitted models by adding the penalty equivalent to the sum of the squares of the magnitude of coefficients.

Explain the term error present in linear regression equation ?(Q 15)

Main aim of linear regression model is to find out best fitted line and minimize the error values. Error in linear regression is the distance between the data points and the best fitted line.its distance should be as minimum as possible.

This error value actually show the difference between the actual value and predicted value.