Flip Robo Machine learning Assignment-1 Answers

[Q No. 13] Explain the term regularization?

Ans-

- Regularization is a machine learning technique used to calibrate machine learning models in order to minimize the adjusted loss function and prevent the over fitting and under fitting model.

[Q No. 14] Which particular algorithms are used for regularization?

Ans-

- There are mainly two types of algorithms are used regularization **1. Ridge regularisation and 2. LASSO regularisation.**

[Q No. 15] Explain the term error present in linear regression equation?

Ans-

- The vertical Distance between the data point and regression line is known as error. It is otherwise known as residual.
- Each data has one residual and some of all the differences known as sum of residuals or errors.

  Mathematically

  Error = Actual Value – Predicted Value

  Errors= Sum (Actual Values – Predicted Values)

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