Machine Learning (14_02) Assignment

Answers:

Q1. A

Q2. A

Q3. B

Q4. B

Q5. C

Q6. B

Q7. D

Q8. D

Q9. A

Q10. B

Q11. B

Q12. A, B, C

Q13: Regularization?

A: Regularization is a technique used to calibrate the linear regression models by making slight modification to learning algorithm in order to prevent under-fitting or over-fitting of a data and generalize the data to improve model performance.

Q14: Algorithm in Regularization?

A: L1 Lasso Regularization & L2 Ridge Regularization

Q15: Error in Linear Regression?

A: The *mean squared error* (MSE) refers to the amount by which the values predicted by an estimator differ from the quantities being estimated.

While residual error is the MSE of the sample