

Machine Learning Assignment

1. A
2. A
3. A
4. B
5. C
6. A
7. D
8. D
9. A
10. B
11. C
12. A & B
13. Regularization is a technique used in Regression. Basically Regularization is used to avoid over-fitting. Regularization is used so that the model does not become biased to one variable or feature. Regularization means to add certain value to the feature and that is decided by the value of lambda. And the value of lambda is decided by Lasso Cross Validation and Ridge Cross Validation which are two methods of Regularization.
14. There are three different types of algorithms used for Regularization.
Lasso Regression, Ridge Regression and Elastic Net Regression.
In Lasso Regression the variable which has least impact on the prediction is counted as zero.
In Ridge regression the variable which has least importance on the prediction is given least importance.
The Elastic Net Regression is the combination the above two Regression.
15. Error is also known as residual. It is basically the difference between the actual data and the predicted data. It is usually