

Question 1

What is the optimal value of alpha for ridge and lasso regression? What will be the changes in the model if you choose double the value of alpha for both ridge and lasso? What will be the most important predictor variables after the change is implemented?

Answer

The optimal value of alpha for Ridge and Lasso Regression is as follows:

- Best alpha value for Lasso : {'alpha': 0.001}
- Best alpha value for Ridge : {'alpha': 5.0}

Question 2

You have determined the optimal value of lambda for ridge and lasso regression during the assignment. Now, which one will you choose to apply and why?

Answer

Between the values of alpha of Ridge and Lasso Regression I will be choosing the Lasso Regression value since in Lasso feature elimination is done which gives a near to accurate result. Feature elimination is not done in Ridge Regression