

### 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 : As the  $r^2$  value for Lasso is higher compared to ridge, I will choose lasso.

### Question 4

How can you make sure that a model is robust and generalisable? What are the implications of the same for the accuracy of the model and why?

Answer : We can make sure that model is robust and generalizable by making sure that the model performs well on the unseen data. i.e that model should be able to perform well on the data apart from the training data and we should also make sure that test accuracy of the model should be better than accuracy on the training set.