$PS9_Glass$

d.glass

April 2024

What is the dimension of your training data (housing_train)?

 $dim(housing_train)[1]404 \times 14$

How many more X variables do you have than in the original housing data?

 $dim(housing)[1]506 \times 14$

What is the optimal value of λ ?

The optimal value of λ is approximately 0.000869.

What is the in-sample RMSE?

0.4083527

What is the out-of-sample RMSE (i.e. the RMSE in the test data)? $0.3897754\,$

Optimal value of λ (Ridge Regression)

Approximately 0.0233

Out of sample RMSE (Ridge Regression)

1.95