PS9$_S$pohn

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1   Introduction

After coding the "recipe" the dimensions of housing_training is 404 observations over 14 variables. This is the same number of variables as the original housing data. However, the housing_train_x has 74 variables.

2   LASSO

The optimal lambda is 0.005689866. The in sample rmse is 1.964934. The out of sampple rmse is 0.170

3   Ridge Regression

The optimal lambda is 0.03727594. The in sample rmse is 1.959118 The out of sample rmse is 0.1733747

4   Other questions

If there are more columns than rows, than you could still be able to make a linear regression if you employed some methods,like dimension reduction using PCA for example.