

Lowest Mean Validation MSE

LASSO: 0.0191866707558

SVM: 0.0189940813889

Random forest: 0.0188535156689

Gradient boosting: 0.0181300092482

Test MSE

LASSO: 0.02015

SVM: 0.0205

Random forest: 0.01842

gbm: 0.01947

The test MSEs produced by all 4 of my models are very small. This suggests that my model is doing well making predictions. The mean validation MSE can be thought as estimates of the generalization error. Since our mean validation MSE and test MSE are very similar for each of my models, it suggests that my models are not overfitting the training data. Because of these two reasons, I believe that my models are making good predictions.