

# PS9Buchman

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## 1 Questions

7. The dimension of our housing train data is 405 74. We found this by typing `dim(housing train x)`. We have 60 more variables because the housing train x data has 74 variables while the original housing data has 14.
8. best rmse = 0.05963623, in sample rmse I believe = 0.1695822 and out of sample = 0.1708259
9. best rmse = 1e-10, in sample rmse = 0.1845554 and out of sample = 0.1856365
10. I believe our model is pretty good but not fantastic. It could be made a lot better than it is. I don't know a reason why you couldn't do a simple linear regression, a rule is 10 observations per covariate.