

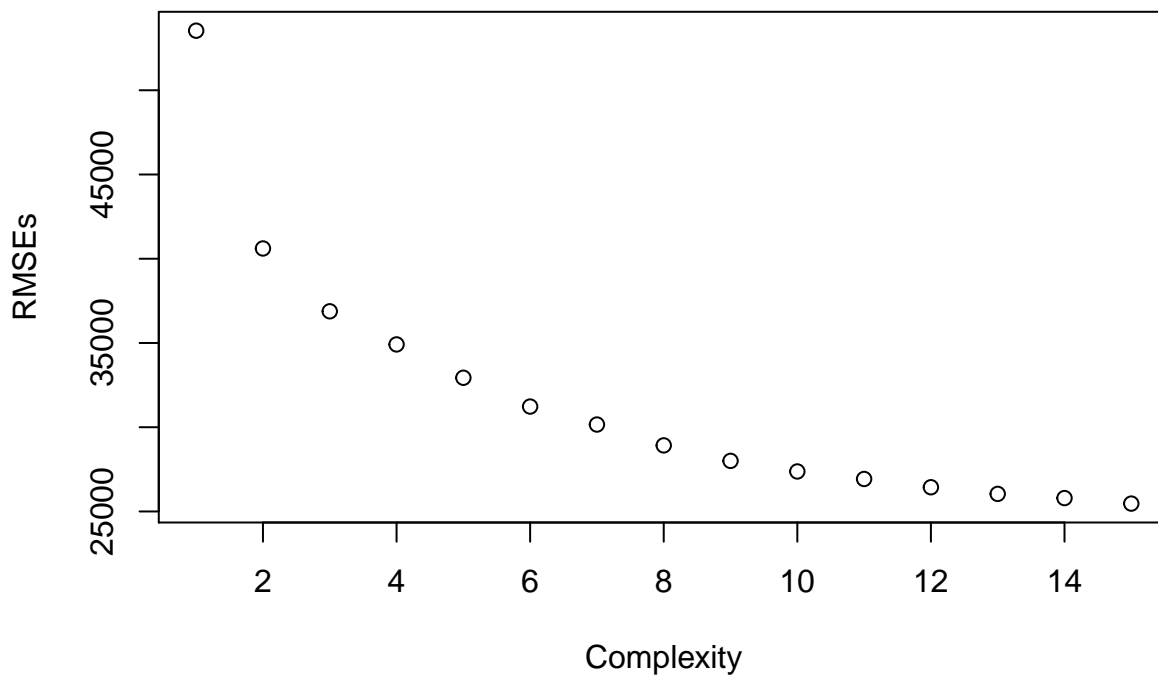
# SSC 442 Lab 03

*Team 7*

*2/13/2020*

## Exercise 1

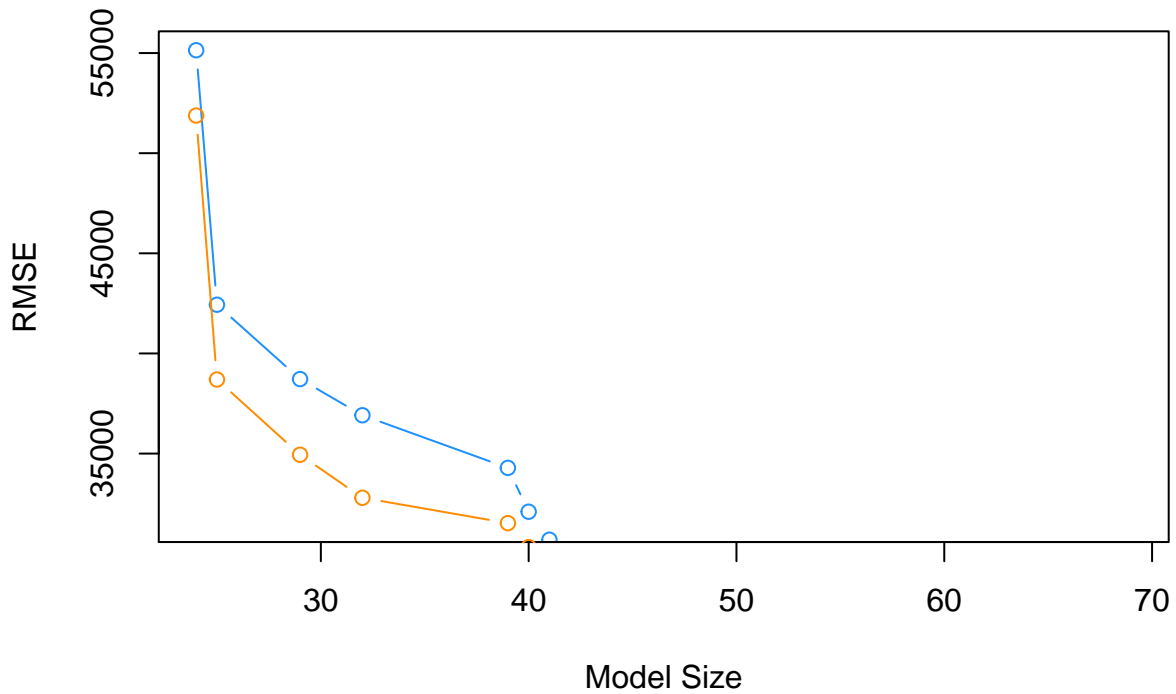
### Part 3



As complexity increases in length, the RMSE value falls exponentially. A full-size model would not be recommended because of the sheer amount of data entries. It would be unnecessary, as an accurate representation of the data can be achieved using much less plotted points. This is based on the plot's ability to capture an accurate depiction of the RMSE values for each level of complexity.

## Exercise 2

### Part 1



### Part 3

The model above was achieved through a combination of the list of complexity models and using `get_rmse` on the train and test datasets. We are confident that our group's prediction will be among the lowest RMSE values because of the thorough testing methods employed.