# Report 1a

In order to solve this task we first loaded the data into the notebook with pandas and split it into a data frame y and X. Then we defined two variables, one with the lambdas and an array filled with zeros to put the average root mean squared errors for each lambda in. Afterwards we made a for loop to loop over each lambda. In each iteration we defined the folding of the data set with KFold. In our Ridge model we put in the lambda of the current iteration. We also played around with the different settings of Ridge, such as the maximum amount of iterations and the tolerance. We then validated our model with the cross\_val\_score function and wrote the result into our variable mentioned earlier. Finally, we wrote the results, which range from 5.46 to 5.80 into the csv file.