***Assignment 6***

You have been given the benchmark dataset now. Use the Motorcycle dataset (133 \*2 ). You have to perform following TWO methods.

1. leave-one out
2. 5-fold cross validation methods.

* Use the ridge regression estimate to perform above two methods
* Find the weight parameters, RMSE, MAE(Mean Absolute Error), R square and NMSE(Normalized mean-squared error) for each case along with their mean and variances in both methods (You will get N and K no of values of above listed parameter for leave-one out and 5-fold cross validation methods respectively)
* Also find the mean and variance of coefficients in each methods.
* Obtain the plot of estimated function for leave one out case.
* Observe the variance in both methods and with proper justification explain which gives better result and why?