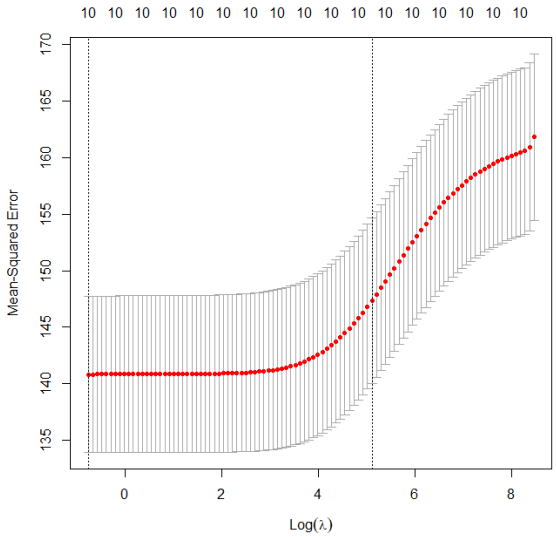
9. (5 pts) A Ridge regression was performed on 10 variables, V1-V10. The plot below was generated.
Briefly explain how the information from this plot is used in the next step of conducting a Ridge regression analysis.



Note the minimum MSE occurs at lambda=0.47, log(0.47)= - 0.755
MSE at lambda=0.47 is equal to 140.8

10. (5 pts) Briefly explain why backward elimination selection of variables is computationally slower than forward selection of variables if only a few variables are useful in the model.

11. (5 pts) Briefly describe an experimental situation where a backward elimination of variables may not even be possible to execute.

12. (5 pts) Briefly explain why Cross Validation metrics tend to be worse in training data sets than in test data sets.

13. (5 pts) Briefly describe an experimental situation where a Naïve Bayes classifier is likely to perform better than a Logistic Regression.

ENJOY YOUR SUMMER AND BE SURE TO TAKE CARE OF YOURSELF!