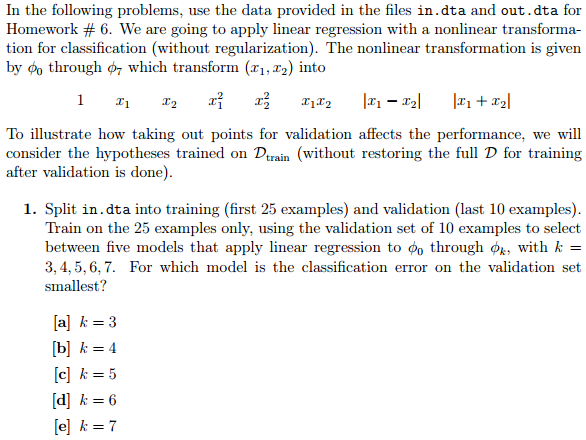
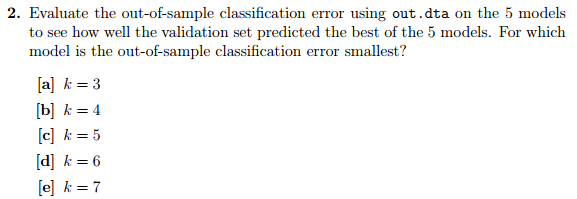
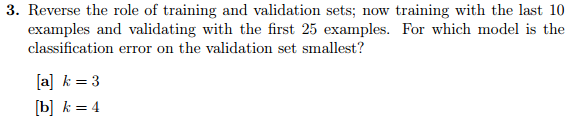
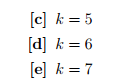
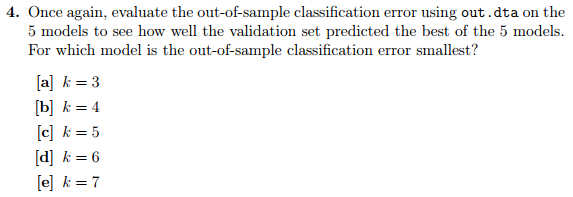
Learning from Data Homework 7

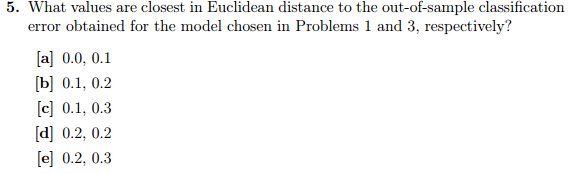


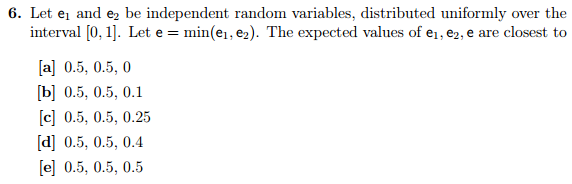




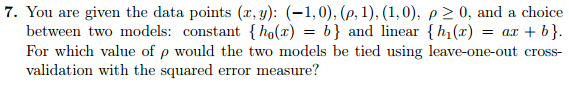


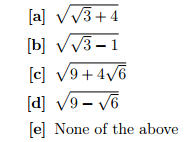






Mean was , to which 0.5 is closest.





­Assuming , we get our errors for the constant model being . .

Assuming , we get slopes for linear model being . This leads to errors of .

We can see that the constant model has far less error. We can also see that as we increase , error would increase (since the error when increases far faster than rate of error decrease when is left out, especially because we are using squared error and not absolute error).

Homework 7 Solutions

Incorrect Problems: