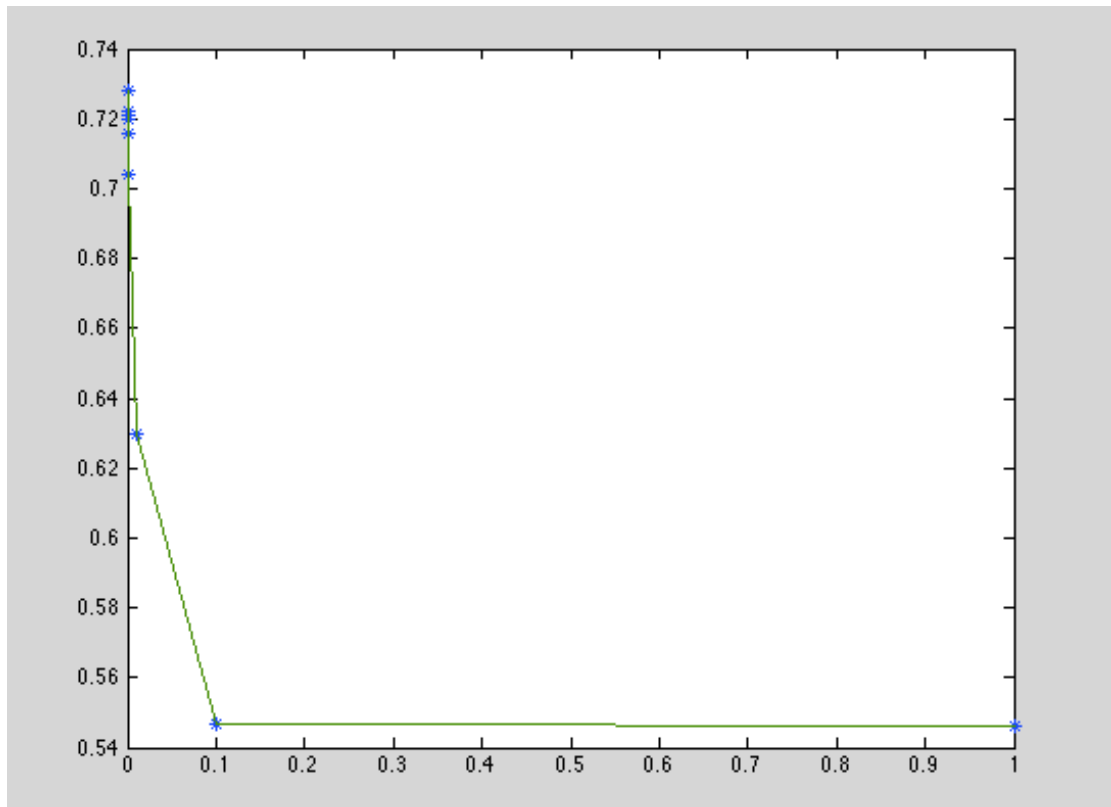# 10601-HW3 REPORT

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• Did you receive any help whatsoever from anyone in solving this assignment? Yes / No. If you answered 'yes', give full details: No.

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In this figure, X-axis is the value of the parameter lamda, Y-axis is the accuracy of the predicted result.

The green line shows the performance with different lamda values and the blues stars are the data point.

Actually in this test, I set the alpha as 0.024.   And the best value for lamda is 10^{-4}. As the number is too small, it may not be obvious in this figure. Here is the test data of the cross-validation.

0	10^{-7}	10^{-6}	10^{-5}	10^{-4}	10^{-3}	10^{-2}	10^{-1}	1
0.716	0.720	0.721	0.722	0.728	0.704	0.630	0.547	0.546