

Accuracy Report HW2

	Q1	Q2	Q3	Q4	Q5
Acc_dev	87.5%	25.04%	83.3%	87.5%	92%
Acc_eval	70.83%	12.5%	66.7%	70.83%	93%

I am using SolveBP.m which implements Lasso algorithm to get the new weights. This function takes very long time and very bad accuracy for Q2. Learning rate can be tuned to decrease the time needed. It works faster on Q3 and Q4 which deal with much less dimensions.

Both accuracy and speed for Q3 is better than Q2. This is because of the decrease in dimension size and therefore the variance is smaller which leads to less error and higher accuracy. Q5 gives the best result among all.