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Ling 572
Homework 8

Q1)

Expt Id	Kernel	gamma	coef0	degree	total_sv	Trainin g Acc	Test Acc	Test Acc Q2
1	linear	-	-	-	535	99.722%	95%	95%
2	polyno mial	1	0	2	792	99.722%	92%	92%
3	polyno mial	0.1	0.5	2	775	99.722%	96.5%	96.5%
4	RBF	0.5	-	-	1798	99.722%	50%	50%
5	sigmoid	0.5	-0.2	-	1214	53.667%	40.5%	40.5%

Q2)

Yes, I am getting the same results in Q2 Test as I did in Q1 Test.

Extra Notes)

You can execute the entire script by calling `./q1.sh` and then `./produce_q2.sh`. This will remove and recreate the q1 and q2 directories with the results.

I also included an acc file for Q2 titled "acc.x" where x is the Expt Id. This compares the results I'm getting for Q1 normal method with Q2.

Also, I did this with both the command line utility as well as in the Java code. q1 is with code, q1Manual is what I did with manually calling the command line utility provided with libsvm.