LING 572 – HW8

Q1-2

Table 1: Results on the binary task

Kernel	gamma	coef0	degree	total_sv	Training Acc	Test Acc	Test Acc from Q2
linear	-	-	-	535	99.7222%	95%	95%
polynomial	1	0	2	792	99.7222%	92%	92%
polynomial	0.1	0.5	2	775	99.7222%	96.5%	96.5%
RBF	0.5	-	-	1798	99.7222%	50%	50%
sigmoid	0.5	-0.2	-	1214	53.6667%	40.5%	40.5%

Results of the last two columns are exactly identical. This is because we have used the same test data, model file and as well as implemented the same kernel function formula in the decoder.

End of HW8 – Joint submission by

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