

CSE 574 Programming Assignment 3

Classification and Regression

Group 100
Luigi Di Tacchio Zakieh Hashemifar Alexander Simeonov
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1 COMPARISON BETWEEN LOGISTIC REGRESSION AND SVM

Algorithm		Accuracy		
		Training data	Validation data	Test data
Logistic Regression		92.354%	91.39%	91.9%
SVM	Linear Kernel	97.286%	93.64%	93.78%
	RBF, gamma=1	100.0%	15.48%	17.14%
	RBF, gamma=0	94.294%	94.02%	94.42%
	RBF, C=1	94.294%	94.02%	94.42%
	RBF, C=50	99.002%	97.31%	97.19%
	RBF, C=100	99.612%	97.41%	97.4%

2 ACCURACY OF SVM WITH GAUSSIAN KERNEL FOR DIFFERENT VALUES OF C

