PS10

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1 Answers

Overall, the models all seemed to be fairly close to one another with the smallest accuracy being 0.83 and the largest being 0.87 with that value belonging to our tree model and the lowest accuracy belonging to our neural network. Sadly, I could not get my SVM model to run (it ran for almost an hour straight and never finished, and I began to worry about my computer truthfully). I'm not sure if it's something I did wrong in my code or what.

Table 1: Logit Model

penalty	.estimate	alg
0.00	0.85	logit

Table 2: Tree Model

penalty	.estimate	alg
0.00	0.87	tree

Table 3: Neural Network

hidden units	penalty	.estimate	alg
1.00	1.00	0.83	nnet

Table 4: K Nearest Neighbors

neighbors	.estimate	alg
30.00	0.84	kknn

Table 5: All Models

penalty	.estimate	alg	hidden units	neighbors
0.00	0.85	logit		
0.00	0.87	tree		
1.00	0.83	nnet	1.00	
	0.84	kknn		30.00