

# Problem Set 10

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## 1 Questions

1. As a table in your .tex file, report the optimal values of the tuning parameters for each of the algorithms. How does each algorithm's out-of-sample performance compare with each of the other algorithms?
  - (a) Was able to fully run the code for 4/5 of the models, due to time constraints I was unable to get the results for SVM. Will go through the results below.
  - (b)

penalty	.estimate	alg	cost_complexity	tree_depth	min_n	hidden_units	neighbors
0.00	0.85	logit	0.00	15.00	10.00	4.00	29.00
	0.87	tree					
1.00	0.84	nnet					
	0.84	knn					

Table 1: Example table with parameter values and model performance.