

PS10

Becky Crouse

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1 Optimal Tuning Values

penalty	.estimate	alg	cost_complexity	tree_depth	min_n	hidden_units	neighbors	cost	rbf_sigma
0.00	0.85	logit							
	0.87	decision_tree	0.00	15.00	10.00				
1.00	0.85	nnet				9.00			
	0.84	knn					30.00		
	0.85	svm						1	.25

As shown in the table, the estimates for all models are very similar, but the decision tree result is the most accurate and more efficient than some of the other models like neural net or support vector machine.