

Problem Set 10

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penalty	.estimate	alg	cost_complexity	tree_depth	min_n	hidden_units	neighbors
1e-10	0.85	logit	0.001	15.00	10.00	6	30
	0.87	tree					
1e+00	0.83	nnet					
	0.84	knn svm					

As seen in the table above:

Tree algorithm with an estimate of 0.87

Logit algorithm with an estimate of 0.85

KNN algorithm with an estimate of 0.84

Neural Net algorithm with an estimate of 0.83

The higher the estimate, the better the algorithm is performing on some metric, so, the best estimate is from Tree algorithm, while the lowest is Neural Net algorithm. Though these estimates are close.