PS10$_R$einsch

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PS 10 Output

1 ML Output

penalty	.estimate	alg	cost_complexity	tree_depth	min_n	hidden_units	neighbors
0.00	0.84	logit					
	0.86	tree	0.00	15.00	40.00		
0.00	0.83	nnet				9.00	
	0.84	knn					30.00

Table 1: Results Output

We observe that each algorithm's out-of-sample performance yields results around the 0.84 mark. I was not able to generate the svm output since I was getting error messages in the console. The nnet algorithm yielded the lowest out-of-sample estimate (0.83) while the tree algorithm yielded the highest estimate (0.86). The logit and knn algorithms were both yielded out-of-sample estimates of 0.84