PS10

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1 Introduction

Below in the table that I've provided we can compare the different tribes on the data set. It seems that performance wise hat SVM and the Tree methods worked the best out of sample, and the nearest neighbor and neural net performed the worst.

penalty	.metric	.estimator	mean	n	std_err	.estimate	alg	cost_complexity
0	accuracy	binary	0.8456697	3	0.0020430	0.8526025	logit	NA
NA	accuracy	binary	0.8592215	3	0.0011285	0.8526025	tree	0.001
1	accuracy	binary	0.8444409	3	0.0018916	0.8526025	neural	NA
NA	accuracy	binary	0.8366480	3	0.0029768	0.8526025	neighbor	NA
NA	accuracy	binary	0.8508523	2	0.0005759	0.8526025	svm	NA

Table 1: PS10 - Part 1

tree_depth	min_n	hidden_units	neighbors	cost	rbf_sigma
NA	NA	NA	NA	NA	NA
15	10	NA	NA	NA	NA
NA	NA	1	NA	NA	NA
NA	NA	NA	30	NA	NA
NA	NA	NA	NA	2	0.25

Table 2: PS10 - Part 2