Problem #1:

Estimators	Criterion	Scores Average
10	Entropy	0.9491
25	Entropy	0.9526
50	Entropy	0.9543
10	Gini	0.9491
25	Gini	0.9526
50	Gini	0.9526

Default Parameters:

Speed-score trade-off of tree-based ensembles
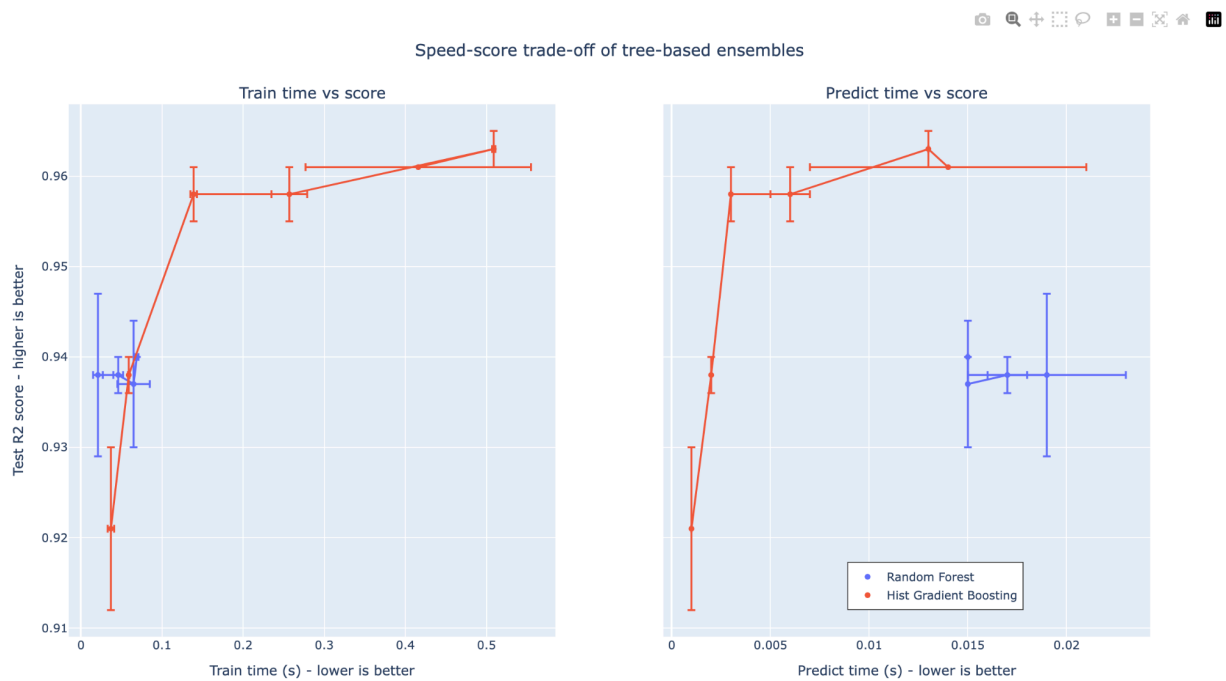
5, 10, 15, and 20 estimators for Random Forest with 25, 50, 75, and 100 iterations for Histogram Boosting and 5 splits: