

Performance Comparison: device6 - Original Features
(TPOT vs. ExtraTrees highlights AutoML impact)

Model	F1 Score	Training Time
Bagging	0.6420	109.97s
Stacking	0.6422	81.10s
Voting	0.6383	14.61s
ExtraTrees	0.6434	10.13s
Blending	0.6364	14.78s
TPOT (ExtraTrees)	0.6434	602.53s

F1 Score Comparison: TPOT (0.6434) vs ExtraTrees (0.6434)
Difference: +0.0001 (AutoML hyperparameter optimization impact)

device6 Comprehensive Comparison: Original vs BigFeat Features
Positive F1 Diff (BigFeat - Original) indicates feature engineering improvement
Positive F1 Diff (TPOT - ExtraTrees) indicates AutoML improvement over baseline

Model	Original F1 Score	BigFeat F1 Score	F1 Diff (BigFeat - Original)	Original Training Time	BigFeat Training Time	Training Time Ratio (BigFeat/Original)	F1 Diff (TPOT - ExtraTrees)
Bagging	0.6420	0.6434	+0.0014	109.97s	292.06s	2.66x	
Stacking	0.6422	0.6435	+0.0014	81.10s	145.54s	1.79x	
Voting	0.6383	0.6403	+0.0021	14.61s	28.97s	1.98x	
ExtraTrees	0.6434	0.6442	+0.0009	10.13s	17.77s	1.75x	
Blending	0.6364	0.6380	+0.0016	14.78s	29.32s	1.98x	
TPOT (ExtraTrees)	0.6434	0.6432	-0.0002	602.53s	601.49s	1.00x	+0.0001