

Performance Comparison: device1 - Original Features
(TPOT vs. ExtraTrees highlights AutoML impact)

Model	F1 Score	Training Time
Bagging	0.6751	82.82s
Stacking	0.6758	62.66s
Voting	0.6731	11.38s
ExtraTrees	0.6762	6.52s
Blending	0.6712	11.40s
TPOT (ExtraTrees)	0.6760	490.60s

F1 Score Comparison: TPOT (0.6760) vs ExtraTrees (0.6762)
Difference: -0.0002 (AutoML hyperparameter optimization impact)

device1 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	0.6751	0.6750	-0.0002	82.82s	211.00s	2.55x	
Stacking	0.6758	0.6757	-0.0001	62.66s	109.23s	1.74x	
Voting	0.6731	0.6737	+0.0006	11.38s	20.54s	1.80x	
ExtraTrees	0.6762	0.6760	-0.0002	6.52s	11.97s	1.83x	
Blending	0.6712	0.6714	+0.0002	11.40s	20.51s	1.80x	
TPOT (ExtraTrees)	0.6760	0.6753	-0.0007	490.60s	570.55s	1.16x	-0.0002