

Performance Comparison: device9 - Original Features
(TPOT vs. ExtraTrees highlights AutoML impact)

Model	F1 Score	Training Time
Bagging	0.6970	92.70s
Stacking	0.6984	67.65s
Voting	0.6950	12.43s
ExtraTrees	0.6989	7.26s
Blending	0.6910	12.64s
TPOT (ExtraTrees)	0.7001	770.46s

F1 Score Comparison: TPOT (0.7001) vs ExtraTrees (0.6989)
Difference: +0.0012 (AutoML hyperparameter optimization impact)

device9 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	0.6970	0.6970	-0.0000	92.70s	236.82s	2.55x	
Stacking	0.6984	0.6977	-0.0007	67.65s	119.65s	1.77x	
Voting	0.6950	0.6942	-0.0008	12.43s	23.03s	1.85x	
ExtraTrees	0.6989	0.6988	-0.0002	7.26s	12.32s	1.70x	
Blending	0.6910	0.6896	-0.0014	12.64s	23.59s	1.87x	
TPOT (ExtraTrees)	0.7001	0.6981	-0.0020	770.46s	591.30s	0.77x	+0.0012