

Performance Comparison: device8 - Original Features
(TPOT vs. ExtraTrees highlights AutoML impact)

Model	F1 Score	Training Time
Bagging	0.7006	118.06s
Stacking	0.7010	82.40s
Voting	0.6964	15.63s
ExtraTrees	0.7007	9.13s
Blending	0.6942	15.36s
TPOT (ExtraTrees)	0.6995	513.26s

F1 Score Comparison: TPOT (0.6995) vs ExtraTrees (0.7007)
Difference: -0.0012 (AutoML hyperparameter optimization impact)

device8 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	0.7006	0.7006	+0.0001	118.06s	264.98s	2.24x	
Stacking	0.7010	0.7015	+0.0005	82.40s	135.31s	1.64x	
Voting	0.6964	0.6976	+0.0012	15.63s	26.14s	1.67x	
ExtraTrees	0.7007	0.7028	+0.0020	9.13s	13.69s	1.50x	
Blending	0.6942	0.6937	-0.0005	15.36s	26.53s	1.73x	
TPOT (ExtraTrees)	0.6995	0.7023	+0.0028	513.26s	574.47s	1.12x	-0.0012