Prediabetes/Type 2 Diabetes Dataset Accuracy Statistics

Machine Learning Algorithm	Training Accuracy	Testing Accuracy	Mean Training Accuracy with 10 repeated cv	Mean Testing Accuracy with 10 repeated cv
Random Forest	0.9824	0.9682	0.9637	0.9598
Support Vector Machine	1.0000	0.9062	0.9031	0.8699
Logistic Regression	0.9321	0.9095	0.9155	0.8860
Decision Tree	1.0000	0.9347	0.9377	0.9379
K-Nearest Neighbor	0.8073	0.7554	0.7368	0.6840
Naive Bayes	0.8253	0.8275	0.8197	0.8262
Gradient Boosting	1.0000	0.9698	0.9672	0.9525
Ada Boosting	0.9585	0.9581	0.9585	0.9486
Extreme Gradient Boosting	1.0000	0.9715	0.9686	0.9625
Light Gradient Boosting	1.0000	0.9749	0.9673	0.9626
Cat Boosting	1.0000	0.9665	0.9662	0.9564
Bagging Meta-Estimator	0.9954	0.9682	0.9610	0.9553
Stacking with Top 3 Models	1.0000	0.9698	0.9680	0.9637
Hard Voting with Top 3 Models	1.0000	0.9732	0.9682	0.9637
Soft Voting with Top 3 Models	1.0000	0.9749	0.9687	0.9625

Gestational Diabetes Dataset Accuracy Statistics

Machine Learning Algorithm	Training Accuracy	Testing Accuracy	Mean Training Accuracy with 10 repeated cv	Mean Testing Accuracy with 10 repeated cv
Random Forest	0.9996	0.9801	0.9704	0.9721
Support Vector Machine	1.0000	0.9688	0.9710	0.9631
Logistic Regression	0.9705	0.9716	0.9705	0.9650
Decision Tree	0.9709	0.9674	0.9709	0.9569
K-Nearest Neighbor	0.9801	0.9759	0.9751	0.9649
Naive Bayes	0.9439	0.9376	0.9439	0.9386
Gradient Boosting	0.9837	0.9716	0.9692	0.9584
Ada Boosting	0.9755	0.9688	0.9666	0.9650
Extreme Gradient Boosting	0.9925	0.9745	0.9716	0.9697
Light Gradient Boosting	0.9876	0.9716	0.9700	0.9645
Cat Boosting	0.9989	0.9716	0.9693	0.9716
Bagging Meta-Estimator	0.9723	0.9716	0.9698	0.9711
Stacking with Top 4 Models	1.0000	0.9801	0.9715	0.9683
Hard Voting with Top 4 Models	0.9979	0.9759	0.9714	0.9745
Soft Voting with Top 4 Models	0.9961	0.9702	0.9704	0.9702