

Additional Table: Comparison of each machine learning algorithms performance before and after feature selection

Algorithms	Performance metrics	Before feature selection	After feature selection
SVM	Accuracy	73.0%	76.0%
	AUC	0.78	0.83
Logistic regression	Accuracy	68.0%	70.0%
	AUC	0.69	0.75
GNB	Accuracy	61.0%	62.0%
	AUC	0.68	0.73
Decision tree	Accuracy	78.0%	82.0%
	AUC	0.79	0.80
Random forest	Accuracy	83.0%	87.0%
	AUC	0.92	0.95
XGBoost	Accuracy	75.0%	78.0%
	AUC	0.81	0.86
KNN	Accuracy	74.0%	75.0%
	AUC	0.79	0.82
AdaBoost	Accuracy	71.0%	72.0%
	AUC	0.78	0.78
FFNN	Accuracy	74.0%	76.0%
	AUC	0.80	0.83
CatBoost	Accuracy	72.0%	78.0%
	AUC	0.83	0.86

Note: The above output was obtained after data were balanced with SMOTE-ENN for all models with and without feature selection.