

Table 1 Evaluating Extreme Gradient Boosting and Random Forest classifiers using the training accuracy, testing accuracy, recall, and precision. Training accuracy is the accuracy of the model at predicting the training data, testing accuracy is the accuracy of the model at predicting the test data (data it has not seen before), recall refers to the rate at which the positive outcome is true, and recall, and precision indicates the percentage of results that are relevant.

	<i>XGBoost classifier</i>				<i>Random Forest classifier</i>			
	Training Accuracy	Testing Accuracy	Recall	Precision	Training accuracy	Testing Accuracy	Recall	Precision
No sampling	93%	88%	42%	45%	91%	91%	23%	75%
Undersampling	83%	78%	60%	85%	79%	77%	56%	88%
Oversampling	83%	80%	67%	85%	80%	77%	60%	84%

References

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