A blue squares with white text

Description automatically generated

A line graph with orange and blue lines

Description automatically generated

A graph of a curve

Description automatically generated

A graph with text on it

Description automatically generated

A computer screen with white text

Description automatically generated

Transactions:

Random Forest Precision: 0.9611879321181647

Random Forest Recall: 0.9263503281171126

Random Forest F1-Score: 0.9434476376535911

Random Forest AUC-ROC: 0.9895773897967082

Performing cross-validation...

Cross-Validation F1-Scores: [0.67228734 0.79512561 0.61462876 0.68684125 0.55261306]

Average Cross-Validation F1-Score: 0.6642992065070373

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Description automatically generated

A graph of a function

Description automatically generated with medium confidence

A graph of a curve

Description automatically generated

A graph of a number of green rectangular bars

Description automatically generated with medium confidence

ER20:

A screen shot of a computer

Description automatically generated

Random Forest Precision: 0.9637444279346211

Random Forest Recall: 0.8995839112343966

Random Forest F1-Score: 0.9305595408895265

Random Forest AUC-ROC: 0.9867832279485458

Performing cross-validation...

Cross-Validation F1-Scores: [0.68330309 0.71893491 0.70616822 0.51008922 0.53825093]

Average Cross-Validation F1-Score: 0.631349274269989

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Description automatically generated

A graph of a function

Description automatically generated with medium confidence

A graph of a curve

Description automatically generated

A graph with text on it

Description automatically generated

**Money Laundering:**

**Transactions:**

A computer screen with white text

Description automatically generated  
A blue squares with white text

Description automatically generated

A graph of a function

Description automatically generated with medium confidenceA graph of a curve

Description automatically generated

A graph of a number of green rectangular bars

Description automatically generated with medium confidence

Random Forest Precision: 0.9896587383660806

Random Forest Recall: 0.9550898203592815

Random Forest F1-Score: 0.9720670391061452

Random Forest AUC-ROC: 0.9978784391739919

Performing cross-validation...

Cross-Validation F1-Scores: [0.42945145 0.32738654 0.14723127 0.67982155 0.58681948]

Average Cross-Validation F1-Score: 0.4341420598482455

**ER20 transactions:**

A screen shot of a computer

Description automatically generatedA blue squares with white text

Description automatically generated

A graph with a line

Description automatically generatedA graph with a purple line

Description automatically generated

A graph with green squares

Description automatically generated

Random Forest Precision: 0.9870727929788332

Random Forest Recall: 0.9930608937735026

Random Forest F1-Score: 0.9900577891008513

Random Forest AUC-ROC: 0.9995735785987065

Performing cross-validation...

Cross-Validation F1-Scores: [0.88569492 0.94089881 0.72659863 0.94783215 0.86735592]

Average Cross-Validation F1-Score: 0.8736760860998636

**Wallets:**  
A screenshot of a computer program

Description automatically generated

Performing cross-validation...

Cross-Validation F1-Scores: [0.76470588 0.97590361 0.96511628 0.99401198 0.93670886]

Average Cross-Validation F1-Score: 0.9272893225375876

A blue squares with white text

Description automatically generated

A graph with orange lines and blue lines

Description automatically generatedA graph of a graph

Description automatically generated

A graph with text on it

Description automatically generated