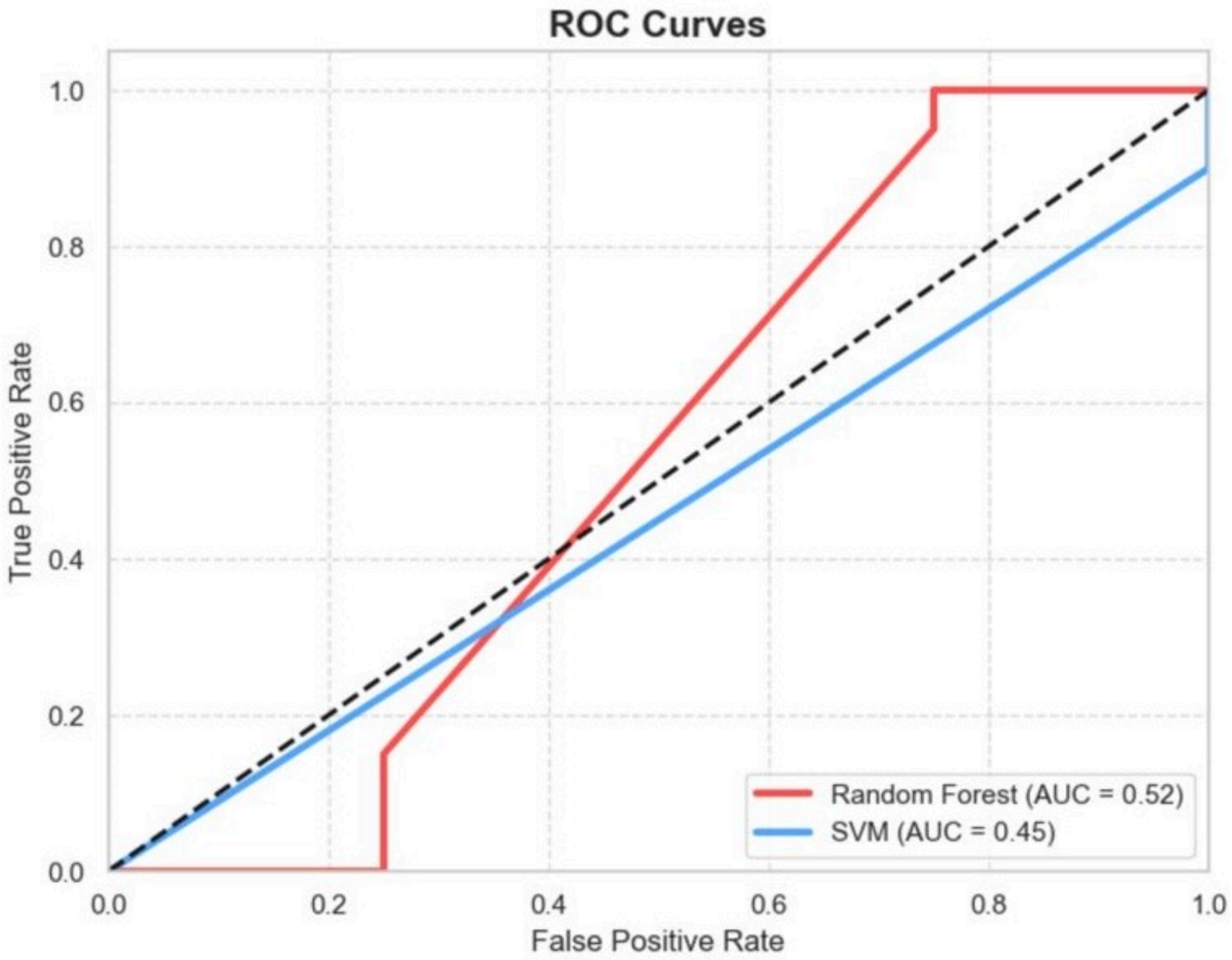
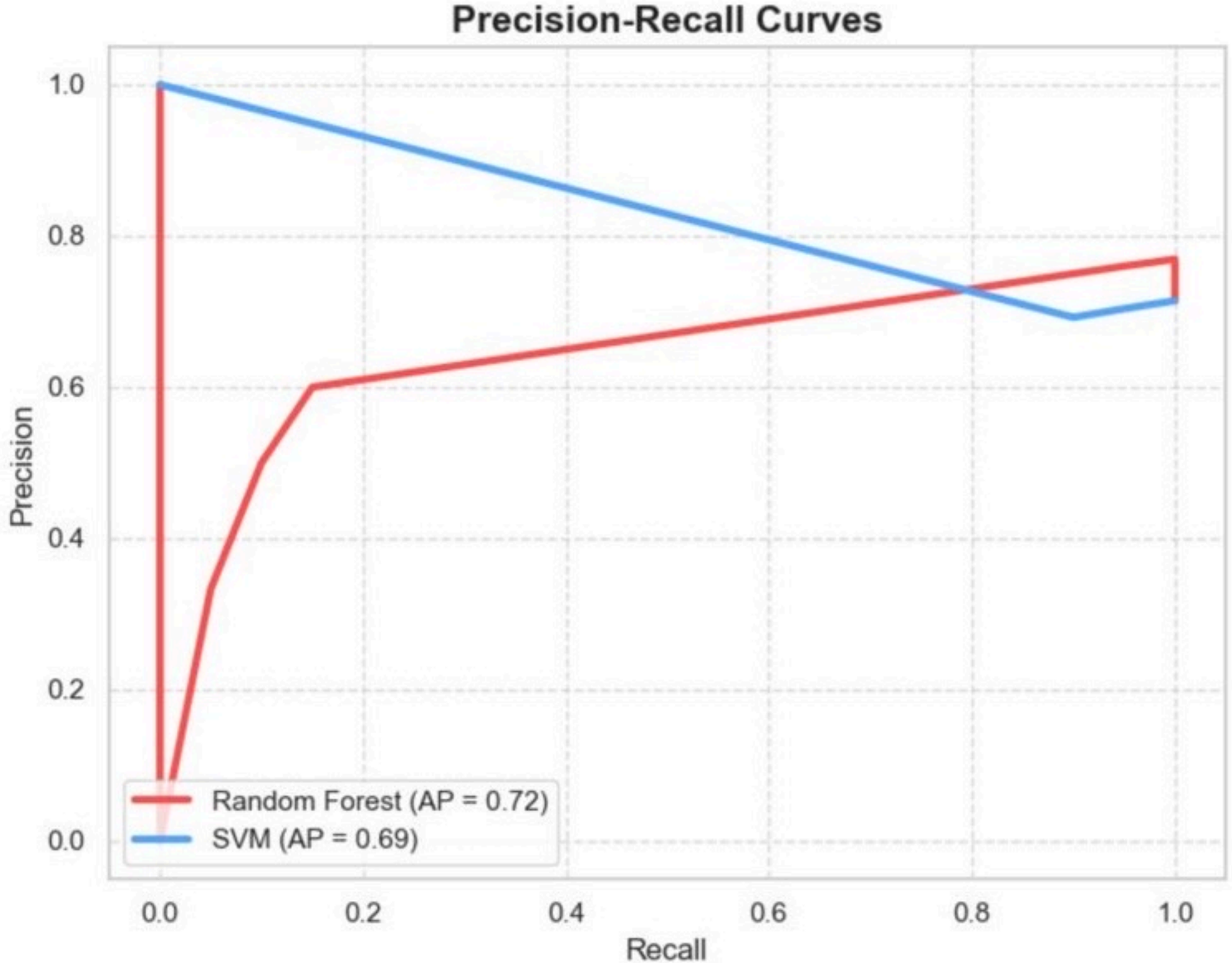
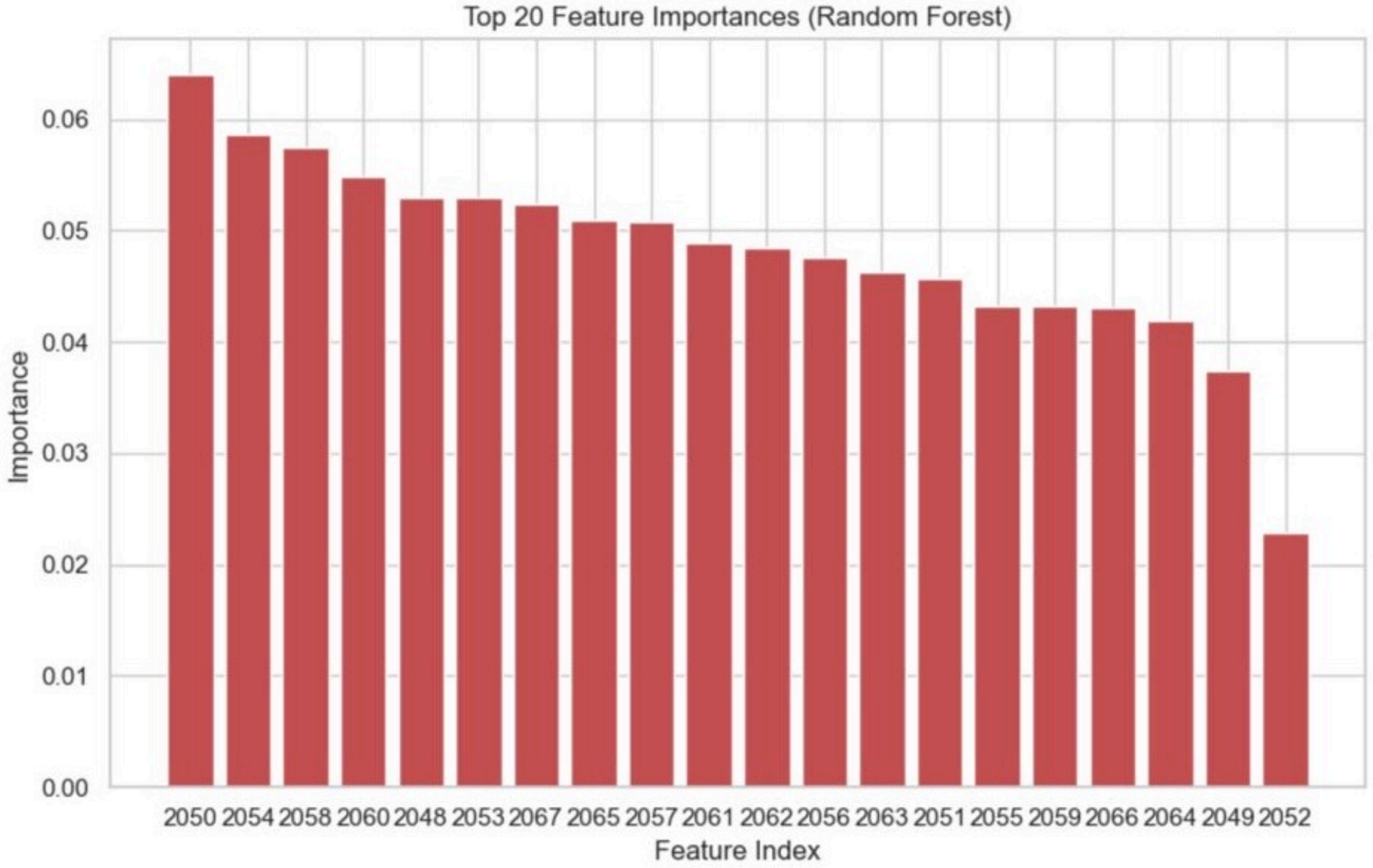
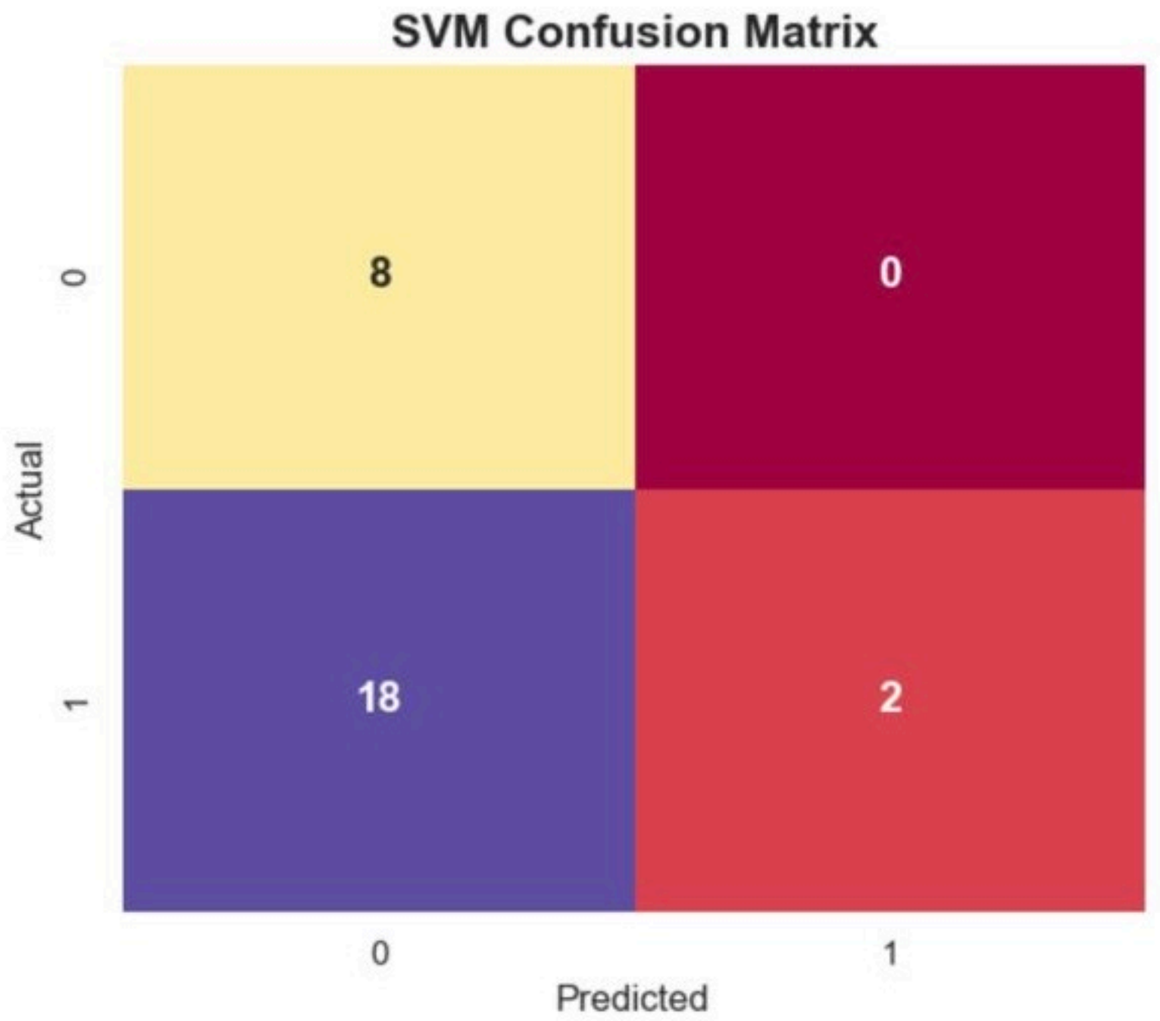
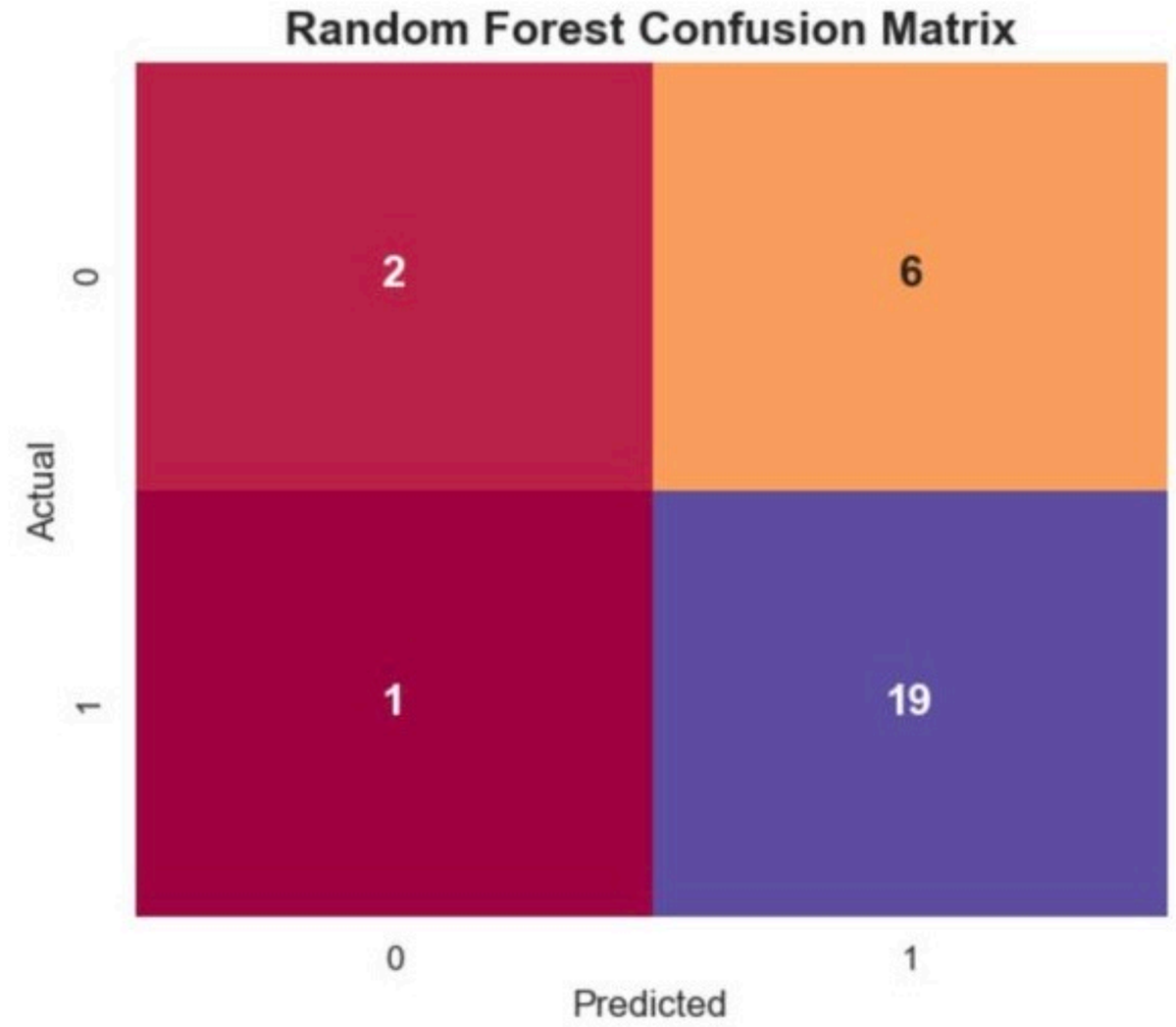
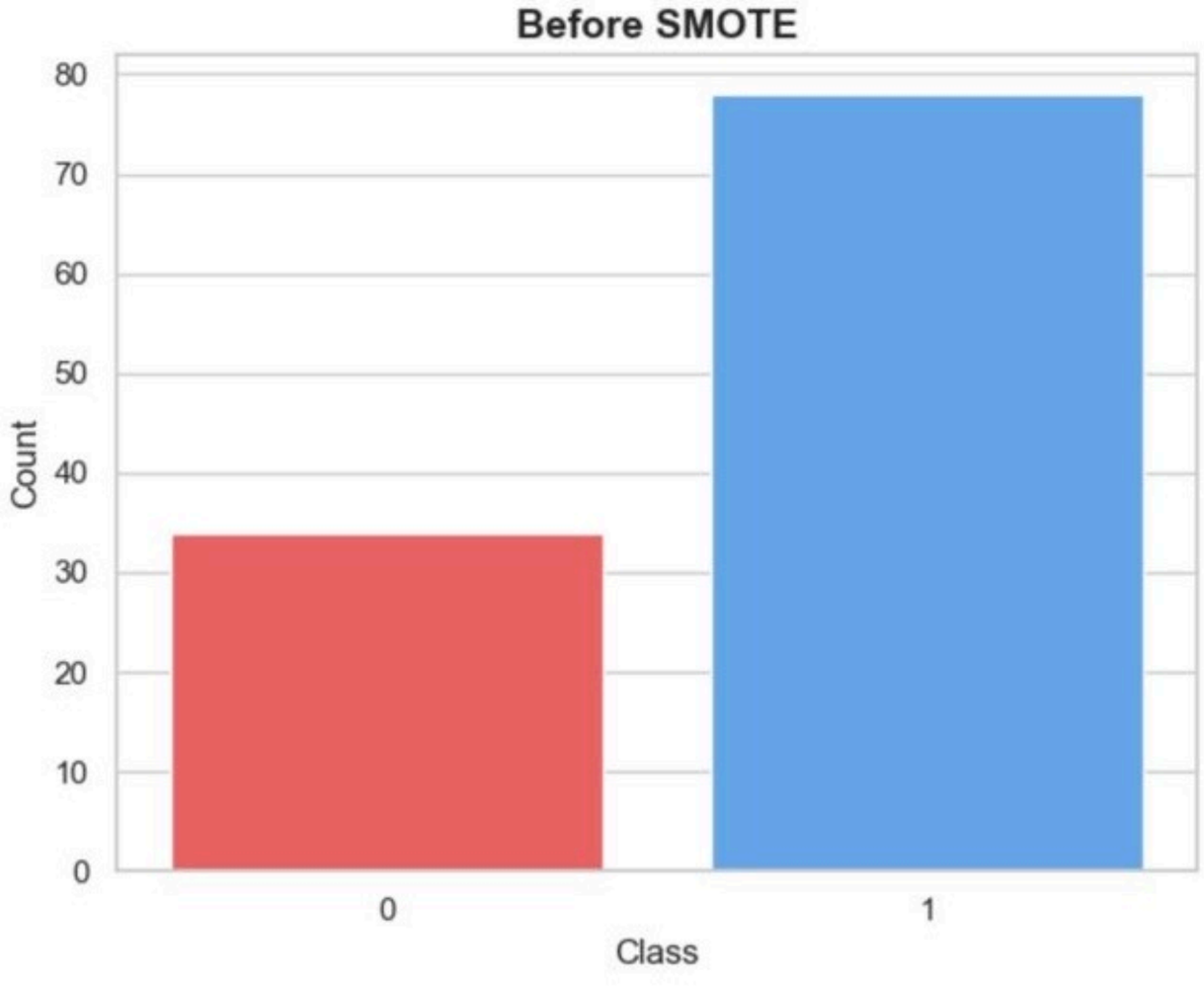

ROC Curves
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Random Forest (AUC = 0.52)
SVM (AUC = 0.45)


Precision-Recall Curves
Precision
Recall
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
Random Forest (AP = 0.72)
SVM (AP = 0.69)


Top 20 Feature Importances (Random Forest)
Importance
0.06
0.05
0.04
0.03
0.02
0.01
0.00
2050 2054 2058 2060 2048 2053 2067 2065 2057 2061 2062 2056 2063 2051 2055 2059 2066 2064 2049 2052
Feature Index


SVM Confusion Matrix
8
0
18
2
0
1
Actual
0
1
Predicted


Random Forest Confusion Matrix
2
6
1
19
0
1
Actual
0
1
Predicted


Before SMOTE
80
70
60
50
40
30
20
10
0
Count
0
1
Class

After SMOTE
80
70
60
50
40
30
20
10
0
Count
0
1
Class