**Random Forest with SMOTE**

Confusion Matrix and Statistics

Reference

Prediction AT LEAST ONE TYPE (T NO TROMBOSIS TEP OR TVP

AT LEAST ONE TYPE (T 1 86

NO TROMBOSIS TEP OR TVP 6 200

Accuracy : 0.686

95% CI : (0.6295, 0.7387)

No Information Rate : 0.9761

P-Value [Acc > NIR] : 1

Kappa : -0.024

Mcnemar's Test P-Value : <2e-16

Sensitivity : 0.142857

Specificity : 0.699301

Pos Pred Value : 0.011494

Neg Pred Value : 0.970874

Prevalence : 0.023891

Detection Rate : 0.003413

Detection Prevalence : 0.296928

Balanced Accuracy : 0.421079

'Positive' Class : AT LEAST ONE TYPE (T

**Random Forest + SMOTE + Bagging**

Confusion Matrix and Statistics

Reference

Prediction AT LEAST ONE TYPE (T NO TROMBOSIS TEP OR TVP

AT LEAST ONE TYPE (T 7 52

NO TROMBOSIS TEP OR TVP 0 234

Accuracy : 0.8225

95% CI : (0.7739, 0.8645)

No Information Rate : 0.9761

P-Value [Acc > NIR] : 1

Kappa : 0.177

Mcnemar's Test P-Value : 1.522e-12

Sensitivity : 1.00000

Specificity : 0.81818

Pos Pred Value : 0.11864

Neg Pred Value : 1.00000

Prevalence : 0.02389

Detection Rate : 0.02389

Detection Prevalence : 0.20137

Balanced Accuracy : 0.90909

'Positive' Class : AT LEAST ONE TYPE (T

**Support Vector Machine Classifier**

Confusion Matrix and Statistics

Reference

Prediction AT LEAST ONE TYPE (T NO TROMBOSIS TEP OR TVP

AT LEAST ONE TYPE (T 2 175

NO TROMBOSIS TEP OR TVP 5 111

Accuracy : 0.3857

95% CI : (0.3296, 0.444)

No Information Rate : 0.9761

P-Value [Acc > NIR] : 1

Kappa : -0.0254

Mcnemar's Test P-Value : <2e-16

Sensitivity : 0.285714

Specificity : 0.388112

Pos Pred Value : 0.011299

Neg Pred Value : 0.956897

Prevalence : 0.023891

Detection Rate : 0.006826

Detection Prevalence : 0.604096

Balanced Accuracy : 0.336913

'Positive' Class : AT LEAST ONE TYPE (T

**XGBoost**

Confusion Matrix and Statistics

Reference

Prediction 0 1

0 129 6

1 158 0

Accuracy : 0.4403

95% CI : (0.3826, 0.4992)

No Information Rate : 0.9795

P-Value [Acc > NIR] : 1

Kappa : -0.0411

Mcnemar's Test P-Value : <2e-16

Sensitivity : 0.4495

Specificity : 0.0000

Pos Pred Value : 0.9556

Neg Pred Value : 0.0000

Prevalence : 0.9795

Detection Rate : 0.4403

Detection Prevalence : 0.4608

Balanced Accuracy : 0.2247

'Positive' Class : 0