=== Run information ===

Scheme: weka.classifiers.meta.AdaBoostM1 -P 100 -S 1 -I 10 -W weka.classifiers.trees.DecisionStump

Relation: binNomified

Instances: 14996

Attributes: 38

is\_attack

P101

P203

P205

P301

P401

P601

MV301

MV302

MV304

UV401

MV101

MV201

MV303

FIT101

LIT101

AIT202

AIT203

FIT201

DPIT301

FIT301

LIT301

AIT402

FIT401

LIT401

AIT501

AIT502

AIT503

AIT504

FIT501

FIT502

FIT503

FIT504

PIT501

PIT502

PIT503

FIT601

AIT201

Test mode: 10-fold cross-validation

=== Classifier model (full training set) ===

AdaBoostM1: Base classifiers and their weights:

Decision Stump

Classifications

AIT402 = GT\_6.677774905 : zero

AIT402 != GT\_6.677774905 : zero

AIT402 is missing : zero

Class distributions

AIT402 = GT\_6.677774905

zero one

1.0 0.0

AIT402 != GT\_6.677774905

zero one

0.6401345291479821 0.3598654708520179

AIT402 is missing

zero one

0.8715657508668978 0.12843424913310217

Weight: 1.91

Decision Stump

Classifications

AIT402 = GT\_6.677774905 : zero

AIT402 != GT\_6.677774905 : one

AIT402 is missing : one

Class distributions

AIT402 = GT\_6.677774905

zero one

1.0 0.0

AIT402 != GT\_6.677774905

zero one

0.20768671193015972 0.7923132880698402

AIT402 is missing

zero one

0.49999999999998046 0.5000000000000195

Weight: 1.89

Decision Stump

Classifications

PIT503 = GT\_114.481865 : zero

PIT503 != GT\_114.481865 : zero

PIT503 is missing : zero

Class distributions

PIT503 = GT\_114.481865

zero one

0.9851272467898687 0.01487275321013125

PIT503 != GT\_114.481865

zero one

0.6107718436492894 0.3892281563507106

PIT503 is missing

zero one

0.7122919785154568 0.28770802148454333

Weight: 0.91

Decision Stump

Classifications

PIT503 = GT\_114.481865 : zero

PIT503 != GT\_114.481865 : one

PIT503 is missing : one

Class distributions

PIT503 = GT\_114.481865

zero one

0.9639696497305169 0.03603035026948307

PIT503 != GT\_114.481865

zero one

0.38793896793420013 0.6120610320657999

PIT503 is missing

zero one

0.49999999999998695 0.500000000000013

Weight: 0.76

Decision Stump

Classifications

LIT401 = GT\_787.028992 : zero

LIT401 != GT\_787.028992 : one

LIT401 is missing : zero

Class distributions

LIT401 = GT\_787.028992

zero one

0.6784480950285625 0.3215519049714375

LIT401 != GT\_787.028992

zero one

0.0 1.0

LIT401 is missing

zero one

0.6268146033528617 0.37318539664713835

Weight: 0.86

Decision Stump

Classifications

AIT402 = GT\_6.677774905 : zero

AIT402 != GT\_6.677774905 : one

AIT402 is missing : one

Class distributions

AIT402 = GT\_6.677774905

zero one

1.0 0.0

AIT402 != GT\_6.677774905

zero one

0.39480992350460087 0.6051900764953991

AIT402 is missing

zero one

0.4458648885829993 0.5541351114170007

Weight: 0.57

Decision Stump

Classifications

AIT201 = LT\_128.5087125 : one

AIT201 != LT\_128.5087125 : zero

AIT201 is missing : zero

Class distributions

AIT201 = LT\_128.5087125

zero one

0.43241913701706514 0.5675808629829348

AIT201 != LT\_128.5087125

zero one

0.7494797736858879 0.25052022631411214

AIT201 is missing

zero one

0.5660628556849675 0.4339371443150325

Weight: 0.59

Decision Stump

Classifications

LIT101 = GT\_545.1423 : zero

LIT101 != GT\_545.1423 : zero

LIT101 is missing : zero

Class distributions

LIT101 = GT\_545.1423

zero one

0.5653515466963246 0.43464845330367535

LIT101 != GT\_545.1423

zero one

1.0 0.0

LIT101 is missing

zero one

0.5967621645433666 0.4032378354566334

Weight: 0.39

Decision Stump

Classifications

LIT101 = GT\_545.1423 : one

LIT101 != GT\_545.1423 : zero

LIT101 is missing : one

Class distributions

LIT101 = GT\_545.1423

zero one

0.467774256843285 0.5322257431567149

LIT101 != GT\_545.1423

zero one

1.0 0.0

LIT101 is missing

zero one

0.4999999999999719 0.5000000000000281

Weight: 0.24

Decision Stump

Classifications

FIT301 = LT\_1.7269319900000002 : zero

FIT301 != LT\_1.7269319900000002 : zero

FIT301 is missing : zero

Class distributions

FIT301 = LT\_1.7269319900000002

zero one

0.5280255317958783 0.4719744682041217

FIT301 != LT\_1.7269319900000002

zero one

1.0 0.0

FIT301 is missing

zero one

0.5540086692855903 0.4459913307144096

Weight: 0.22

Number of performed Iterations: 10

Time taken to build model: 0.18 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 13469 89.8173 %

Incorrectly Classified Instances 1527 10.1827 %

Kappa statistic 0.3129

Mean absolute error 0.1321

Root mean squared error 0.2525

Relative absolute error 59.0077 %

Root relative squared error 75.4659 %

Total Number of Instances 14996

=== Detailed Accuracy By Class ===

TP Rate FP Rate Precision Recall F-Measure MCC ROC Area PRC Area Class

1.000 0.793 0.895 1.000 0.945 0.431 0.935 0.990 zero

0.207 0.000 1.000 0.207 0.343 0.431 0.935 0.655 one

Weighted Avg. 0.898 0.691 0.909 0.898 0.868 0.431 0.935 0.947

=== Confusion Matrix ===

a b <-- classified as

13070 0 | a = zero

1527 399 | b = one