=== Run information ===

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

Relation: copy

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 <= 6.677774905 : zero

AIT402 > 6.677774905 : zero

AIT402 is missing : zero

Class distributions

AIT402 <= 6.677774905

zero one

0.6401345291479821 0.3598654708520179

AIT402 > 6.677774905

zero one

1.0 0.0

AIT402 is missing

zero one

0.8715657508668978 0.12843424913310217

Weight: 1.91

Decision Stump

Classifications

AIT402 <= 6.677774905 : one

AIT402 > 6.677774905 : zero

AIT402 is missing : one

Class distributions

AIT402 <= 6.677774905

zero one

0.2076867119301597 0.7923132880698402

AIT402 > 6.677774905

zero one

1.0 5.1371606222803254E-17

AIT402 is missing

zero one

0.499999999999974 0.500000000000026

Weight: 1.89

Decision Stump

Classifications

PIT503 <= 114.53794099999999 : zero

PIT503 > 114.53794099999999 : zero

PIT503 is missing : zero

Class distributions

PIT503 <= 114.53794099999999

zero one

0.6225386899819644 0.37746131001803557

PIT503 > 114.53794099999999

zero one

1.0 -4.7326071865815086E-18

PIT503 is missing

zero one

0.7122919785155191 0.2877080214844809

Weight: 0.91

Decision Stump

Classifications

PIT503 <= 114.53794099999999 : one

PIT503 > 114.53794099999999 : zero

PIT503 is missing : zero

Class distributions

PIT503 <= 114.53794099999999

zero one

0.39982266648766507 0.6001773335123349

PIT503 > 114.53794099999999

zero one

0.9999999999999998 1.1674298809448228E-16

PIT503 is missing

zero one

0.5000000000000432 0.49999999999995676

Weight: 0.69

Decision Stump

Classifications

LIT401 <= 790.3550339999999 : one

LIT401 > 790.3550339999999 : zero

LIT401 is missing : zero

Class distributions

LIT401 <= 790.3550339999999

zero one

0.006622987773379027 0.993377012226621

LIT401 > 790.3550339999999

zero one

0.6818979335585613 0.3181020664414386

LIT401 is missing

zero one

0.6251384497373392 0.3748615502626609

Weight: 0.89

Decision Stump

Classifications

PIT503 <= 114.53794099999999 : one

PIT503 > 114.53794099999999 : zero

PIT503 is missing : one

Class distributions

PIT503 <= 114.53794099999999

zero one

0.38790553990603616 0.612094460093964

PIT503 > 114.53794099999999

zero one

0.9999999999999774 2.2734004227713835E-14

PIT503 is missing

zero one

0.441993117756497 0.5580068822435029

Weight: 0.6

Decision Stump

Classifications

LIT301 <= 923.2408499999999 : zero

LIT301 > 923.2408499999999 : one

LIT301 is missing : zero

Class distributions

LIT301 <= 923.2408499999999

zero one

0.8085583213566678 0.1914416786433321

LIT301 > 923.2408499999999

zero one

0.42783805607722536 0.5721619439227746

LIT301 is missing

zero one

0.5683544505231004 0.43164554947689965

Weight: 0.66

Decision Stump

Classifications

AIT202 <= 9.383363500000002 : zero

AIT202 > 9.383363500000002 : one

AIT202 is missing : zero

Class distributions

AIT202 <= 9.383363500000002

zero one

0.6831531205244171 0.3168468794755829

AIT202 > 9.383363500000002

zero one

0.23397932369862395 0.7660206763013762

AIT202 is missing

zero one

0.6225516494783699 0.37744835052163

Weight: 0.82

Decision Stump

Classifications

AIT402 <= 6.677774905 : one

AIT402 > 6.677774905 : zero

AIT402 is missing : one

Class distributions

AIT402 <= 6.677774905

zero one

0.42863160420997276 0.5713683957900272

AIT402 > 6.677774905

zero one

0.9999999999998577 1.4225072999148033E-13

AIT402 is missing

zero one

0.47721417749149964 0.5227858225085004

Weight: 0.44

Decision Stump

Classifications

LIT401 <= 815.098694 : one

LIT401 > 815.098694 : zero

LIT401 is missing : zero

Class distributions

LIT401 <= 815.098694

zero one

0.24371635580241877 0.7562836441975813

LIT401 > 815.098694

zero one

0.6419653345187051 0.35803466548129487

LIT401 is missing

zero one

0.5699460840104583 0.4300539159895416

Weight: 0.68

Number of performed Iterations: 10

Time taken to build model: 0.59 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 13630 90.8909 %

Incorrectly Classified Instances 1366 9.1091 %

Kappa statistic 0.4298

Mean absolute error 0.1155

Root mean squared error 0.2369

Relative absolute error 51.5719 %

Root relative squared error 70.8166 %

Total Number of Instances 14996

=== Detailed Accuracy By Class ===

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

0.997 0.691 0.907 0.997 0.950 0.511 0.962 0.994 zero

0.309 0.003 0.943 0.309 0.466 0.511 0.962 0.764 one

Weighted Avg. 0.909 0.602 0.912 0.909 0.888 0.511 0.962 0.965

=== Confusion Matrix ===

a b <-- classified as

13034 36 | a = zero

1330 596 | b = one