=== Run information ===

Scheme: weka.classifiers.functions.LibSVM -S 0 -K 2 -D 3 -G 0.0 -R 0.0 -N 0.5 -M 40.0 -C 1.0 -E 0.001 -P 0.1 -model "D:\\Program Files\\Weka-3-8-5" -seed 1

Relation: KDDTrain20P\_05A.arff-weka.filters.unsupervised.attribute.Remove-R42-weka.filters.unsupervised.attribute.RemoveUseless-M99.0-weka.filters.unsupervised.attribute.SortLabels-R2-SNON-CASE-weka.filters.unsupervised.attribute.OrdinalToNumeric-R2-4-weka.filters.unsupervised.attribute.MathExpression-E(A-MEAN)/SD-weka.filters.unsupervised.attribute.Remove-V-R5,last

Instances: 25192

Attributes: 2

src\_bytes

class

Test mode: 10-fold cross-validation

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

LibSVM wrapper, original code by Yasser EL-Manzalawy (= WLSVM)

Time taken to build model: 16.15 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 13461 53.4336 %

Incorrectly Classified Instances 11731 46.5664 %

Kappa statistic 0.0016

Mean absolute error 0.1863

Root mean squared error 0.4316

Relative absolute error 81.358 %

Root relative squared error 127.5658 %

Total Number of Instances 25192

=== Detailed Accuracy By Class ===

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

1.000 0.999 0.534 1.000 0.696 0.022 0.501 0.534 normal

0.000 0.000 ? 0.000 ? ? 0.500 0.367 dos

0.062 0.000 0.929 0.062 0.117 0.239 0.531 0.066 r2l

0.000 0.000 ? 0.000 ? ? 0.500 0.091 probe

0.000 0.000 ? 0.000 ? ? 0.500 0.000 u2r

Weighted Avg. 0.534 0.533 ? 0.534 ? ? 0.501 0.428

=== Confusion Matrix ===

a b c d e <-- classified as

13448 0 1 0 0 | a = normal

9234 0 0 0 0 | b = dos

196 0 13 0 0 | c = r2l

2289 0 0 0 0 | d = probe

11 0 0 0 0 | e = u2r