=== Run information ===

Evaluator: weka.attributeSelection.InfoGainAttributeEval

Search: weka.attributeSelection.Ranker -T -1.7976931348623157E308 -N -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

Instances: 25192

Attributes: 40

duration

protocol\_type

service

flag

src\_bytes

dst\_bytes

land

wrong\_fragment

urgent

hot

num\_failed\_logins

logged\_in

num\_compromised

root\_shell

su\_attempted

num\_root

num\_file\_creations

num\_shells

num\_access\_files

is\_guest\_login

count

srv\_count

serror\_rate

srv\_serror\_rate

rerror\_rate

srv\_rerror\_rate

same\_srv\_rate

diff\_srv\_rate

srv\_diff\_host\_rate

dst\_host\_count

dst\_host\_srv\_count

dst\_host\_same\_srv\_rate

dst\_host\_diff\_srv\_rate

dst\_host\_same\_src\_port\_rate

dst\_host\_srv\_diff\_host\_rate

dst\_host\_serror\_rate

dst\_host\_srv\_serror\_rate

dst\_host\_rerror\_rate

dst\_host\_srv\_rerror\_rate

class

Evaluation mode: evaluate on all training data

=== Attribute Selection on all input data ===

Search Method:

Attribute ranking.

Attribute Evaluator (supervised, Class (nominal): 40 class):

Information Gain Ranking Filter

Ranked attributes:

1.031066 5 src\_bytes

0.859716 3 service

0.725548 28 diff\_srv\_rate

0.705719 4 flag

0.661823 6 dst\_bytes

0.657095 27 same\_srv\_rate

0.653126 33 dst\_host\_diff\_srv\_rate

0.604614 21 count

0.592836 31 dst\_host\_srv\_count

0.576413 32 dst\_host\_same\_srv\_rate

0.565873 36 dst\_host\_serror\_rate

0.548323 23 serror\_rate

0.538136 37 dst\_host\_srv\_serror\_rate

0.514508 24 srv\_serror\_rate

0.43935 12 logged\_in

0.377375 35 dst\_host\_srv\_diff\_host\_rate

0.343376 34 dst\_host\_same\_src\_port\_rate

0.300444 30 dst\_host\_count

0.235109 22 srv\_count

0.213594 29 srv\_diff\_host\_rate

0.135349 38 dst\_host\_rerror\_rate

0.120556 2 protocol\_type

0.119999 39 dst\_host\_srv\_rerror\_rate

0.109055 25 rerror\_rate

0.07831 1 duration

0.076359 26 srv\_rerror\_rate

0.033372 10 hot

0.015315 20 is\_guest\_login

0.012974 8 wrong\_fragment

0.010869 13 num\_compromised

0.004729 16 num\_root

0.003145 14 root\_shell

0.002998 17 num\_file\_creations

0.002894 19 num\_access\_files

0.002458 11 num\_failed\_logins

0.000755 15 su\_attempted

0.000446 9 urgent

0.000382 18 num\_shells

0 7 land

Selected attributes: 5,3,28,4,6,27,33,21,31,32,36,23,37,24,12,35,34,30,22,29,38,2,39,25,1,26,10,20,8,13,16,14,17,19,11,15,9,18,7 : 39