**KNN K = 24**

=== Run information ===

Scheme: weka.classifiers.lazy.IBk -K 24 -W 0 -A "weka.core.neighboursearch.LinearNNSearch -A \"weka.core.EuclideanDistance -R first-last\""

Relation: dataclean-weka.filters.unsupervised.attribute.Reorder-R1,2,3,4,5,6,7,8,9,10,11,12,13,14,16,17,18,19,20,21,22,23,15-weka.filters.unsupervised.attribute.NumericToNominal-Rfirst-last-weka.filters.supervised.instance.ClassBalancer-num-intervals10

Instances: 32625

Attributes: 23

ecage26

ecsex99

marst26

pvreg25

dwtenr25

mortg25

multj28

alhrp28

yrxfte11

clwkr1

prmjb1

fllprt1

nocg2e6

imphwe1

uncoll1

n07c3g10

pubpv10

cqpc42

rppc42

udpd42

wgsal42

hleveg18

penpln1

Test mode: 10-fold cross-validation

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

IB1 instance-based classifier

using 24 nearest neighbour(s) for classification

Time taken to build model: 0.01 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 27351.6563 83.8365 %

Incorrectly Classified Instances 5273.3464 16.1635 %

Kappa statistic 0.6767

Mean absolute error 0.243

Root mean squared error 0.3378

Relative absolute error 48.5986 %

Root relative squared error 67.56 %

Total Number of Instances 32625.0027

=== Detailed Accuracy By Class ===

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

0.899 0.223 0.802 0.899 0.848 0.682 0.926 0.926 0

0.777 0.101 0.885 0.777 0.828 0.682 0.926 0.927 1

Weighted Avg. 0.838 0.162 0.843 0.838 0.838 0.682 0.926 0.927

=== Confusion Matrix ===

a b <-- classified as

14673 1640 | a = 0

3634 12679 | b = 1