Naive Bayes

=== Summary ===

Correctly Classified Instances 211 79.0262 %

Incorrectly Classified Instances 56 20.9738 %

Kappa statistic 0.4666

Mean absolute error 0.2299

Root mean squared error 0.4217

Relative absolute error 69.9562 %

Root relative squared error 104.2572 %

Total Number of Instances 267

=== Detailed Accuracy By Class ===

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

0.764 0.203 0.494 0.764 0.600 0.487 0.845 0.597 0

0.797 0.236 0.929 0.797 0.858 0.487 0.845 0.950 1

Weighted Avg. 0.790 0.229 0.839 0.790 0.805 0.487 0.845 0.878

=== Confusion Matrix ===

a b <-- classified as

42 13 | a = 0

43 169 | b = 1

Multilayer Perceptron

=== Summary ===

Correctly Classified Instances 210 78.6517 %

Incorrectly Classified Instances 57 21.3483 %

Kappa statistic 0.343

Mean absolute error 0.2153

Root mean squared error 0.3977

Relative absolute error 65.5212 %

Root relative squared error 98.3225 %

Total Number of Instances 267

=== Detailed Accuracy By Class ===

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

0.473 0.132 0.481 0.473 0.477 0.343 0.799 0.444 0

0.868 0.527 0.864 0.868 0.866 0.343 0.799 0.937 1

Weighted Avg. 0.787 0.446 0.785 0.787 0.786 0.343 0.799 0.835

=== Confusion Matrix ===

a b <-- classified as

26 29 | a = 0

28 184 | b = 1

Lazy IBK

=== Summary ===

Correctly Classified Instances 201 75.2809 %

Incorrectly Classified Instances 66 24.7191 %

Kappa statistic 0.3094

Mean absolute error 0.2452

Root mean squared error 0.4154

Relative absolute error 74.6216 %

Root relative squared error 102.6943 %

Total Number of Instances 267

=== Detailed Accuracy By Class ===

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

0.527 0.189 0.420 0.527 0.468 0.313 0.733 0.388 0

0.811 0.473 0.869 0.811 0.839 0.313 0.733 0.893 1

Weighted Avg. 0.753 0.414 0.776 0.753 0.763 0.313 0.733 0.789

=== Confusion Matrix ===

a b <-- classified as

29 26 | a = 0

40 172 | b = 1

Decision tree (J48)

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 216 80.8989 %

Incorrectly Classified Instances 51 19.1011 %

Kappa statistic 0.3957

Mean absolute error 0.2422

Root mean squared error 0.3724

Relative absolute error 73.6951 %

Root relative squared error 92.0706 %

Total Number of Instances 267

=== Detailed Accuracy By Class ===

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

0.491 0.108 0.540 0.491 0.514 0.396 0.781 0.477 0

0.892 0.509 0.871 0.892 0.881 0.396 0.781 0.910 1

Weighted Avg. 0.809 0.427 0.803 0.809 0.806 0.396 0.781 0.821

=== Confusion Matrix ===

a b <-- classified as

27 28 | a = 0

23 189 | b = 1