J48

=== Summary ===

Correctly Classified Instances 567 73.8281 %

Incorrectly Classified Instances 201 26.1719 %

Kappa statistic 0.4164

Mean absolute error 0.3158

Root mean squared error 0.4463

Relative absolute error 69.4841 %

Root relative squared error 93.6293 %

Total Number of Instances 768

=== Detailed Accuracy By Class ===

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

0.814 0.403 0.790 0.814 0.802 0.417 0.751 0.811 tested\_negative

0.597 0.186 0.632 0.597 0.614 0.417 0.751 0.572 tested\_positive

Weighted Avg. 0.738 0.327 0.735 0.738 0.736 0.417 0.751 0.727

=== Confusion Matrix ===

a b <-- classified as

407 93 | a = tested\_negative

108 160 | b = tested\_positive

KNN(IBk)

=== Summary ===

Correctly Classified Instances 539 70.1823 %

Incorrectly Classified Instances 229 29.8177 %

Kappa statistic 0.3304

Mean absolute error 0.2988

Root mean squared error 0.5453

Relative absolute error 65.7327 %

Root relative squared error 114.3977 %

Total Number of Instances 768

=== Detailed Accuracy By Class ===

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

0.794 0.470 0.759 0.794 0.776 0.331 0.650 0.732 tested\_negative

0.530 0.206 0.580 0.530 0.554 0.331 0.650 0.469 tested\_positive

Weighted Avg. 0.702 0.378 0.696 0.702 0.698 0.331 0.650 0.640

=== Confusion Matrix ===

a b <-- classified as

397 103 | a = tested\_negative

126 142 | b = tested\_positive

Naïve Bayes

=== Summary ===

Correctly Classified Instances 586 76.3021 %

Incorrectly Classified Instances 182 23.6979 %

Kappa statistic 0.4664

Mean absolute error 0.2841

Root mean squared error 0.4168

Relative absolute error 62.5028 %

Root relative squared error 87.4349 %

Total Number of Instances 768

=== Detailed Accuracy By Class ===

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

0.844 0.388 0.802 0.844 0.823 0.468 0.819 0.892 tested\_negative

0.612 0.156 0.678 0.612 0.643 0.468 0.819 0.671 tested\_positive

Weighted Avg. 0.763 0.307 0.759 0.763 0.760 0.468 0.819 0.815

=== Confusion Matrix ===

a b <-- classified as

422 78 | a = tested\_negative

104 164 | b = tested\_positive

=== Summary ===

Correctly Classified Instances 579 75.3906 %

Incorrectly Classified Instances 189 24.6094 %

Kappa statistic 0.4484

Mean absolute error 0.2955

Root mean squared error 0.4215

Relative absolute error 65.0135 %

Root relative squared error 88.4274 %

Total Number of Instances 768

=== Detailed Accuracy By Class ===

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

0.832 0.392 0.798 0.832 0.815 0.449 0.793 0.850 tested\_negative

0.608 0.168 0.660 0.608 0.633 0.449 0.793 0.667 tested\_positive

Weighted Avg. 0.754 0.314 0.750 0.754 0.751 0.449 0.793 0.786

=== Confusion Matrix ===

a b <-- classified as

416 84 | a = tested\_negative

105 163 | b = tested\_positive