=== Run information ===

Scheme: weka.classifiers.trees.J48 -C 0.25 -M 2

Relation: wada

Instances: 1143

Attributes: 7

mean\_x

std\_x

mean\_y

std\_y

mean\_z

std\_z

Activity

Test mode: 10-fold cross-validation

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

J48 pruned tree

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mean\_z <= 0.370339

| mean\_x <= -6.642082: Vana (450.0)

| mean\_x > -6.642082

| | mean\_x <= -2.087686

| | | mean\_y <= -6.789023

| | | | std\_z <= 4.721006

| | | | | std\_z <= 4.564537: Kay (58.0/9.0)

| | | | | std\_z > 4.564537: Vana (3.0)

| | | | std\_z > 4.721006: Kay (15.0)

| | | mean\_y > -6.789023

| | | | mean\_x <= -3.249889

| | | | | std\_y <= 1.583001: Vana (4.0)

| | | | | std\_y > 1.583001: Kay (21.0/5.0)

| | | | mean\_x > -3.249889

| | | | | std\_x <= 2.280054: Vana (17.0)

| | | | | std\_x > 2.280054: Kay (4.0/1.0)

| | mean\_x > -2.087686

| | | mean\_x <= 2.100162

| | | | std\_x <= 2.849861

| | | | | mean\_y <= -8.272886

| | | | | | std\_y <= 1.823971: Kay (4.0)

| | | | | | std\_y > 1.823971: Vana (28.0/1.0)

| | | | | mean\_y > -8.272886: Vana (179.0)

| | | | std\_x > 2.849861

| | | | | std\_x <= 3.025622: Vana (6.0)

| | | | | std\_x > 3.025622: Kay (6.0/1.0)

| | | mean\_x > 2.100162: Kay (12.0)

mean\_z > 0.370339

| mean\_x <= -0.030576

| | mean\_x <= -5.675344: Vana (15.0)

| | mean\_x > -5.675344

| | | mean\_z <= 5.582349

| | | | mean\_x <= -2.729967

| | | | | mean\_y <= -4.440043: Kay (45.0/2.0)

| | | | | mean\_y > -4.440043

| | | | | | std\_x <= 1.107608: Kay (2.0)

| | | | | | std\_x > 1.107608: Vana (7.0)

| | | | mean\_x > -2.729967

| | | | | std\_z <= 4.178833

| | | | | | std\_z <= 3.474636

| | | | | | | mean\_x <= -1.884892: Vana (3.0)

| | | | | | | mean\_x > -1.884892

| | | | | | | | std\_x <= 1.397516: Kay (3.0)

| | | | | | | | std\_x > 1.397516

| | | | | | | | | std\_y <= 3.020385: Vana (3.0)

| | | | | | | | | std\_y > 3.020385: Kay (2.0)

| | | | | | std\_z > 3.474636: Kay (9.0)

| | | | | std\_z > 4.178833

| | | | | | std\_x <= 2.236649: Vana (25.0/2.0)

| | | | | | std\_x > 2.236649

| | | | | | | mean\_y <= -6.984534

| | | | | | | | mean\_y <= -7.480168: Kay (2.0)

| | | | | | | | mean\_y > -7.480168: Vana (3.0)

| | | | | | | mean\_y > -6.984534: Kay (4.0)

| | | mean\_z > 5.582349: Kay (61.0/4.0)

| mean\_x > -0.030576: Kay (152.0/1.0)

Number of Leaves : 29

Size of the tree : 57

Time taken to build model: 0.05 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 1065 93.1759 %

Incorrectly Classified Instances 78 6.8241 %

Kappa statistic 0.8477

Mean absolute error 0.0812

Root mean squared error 0.2479

Relative absolute error 18.2907 %

Root relative squared error 52.6283 %

Total Number of Instances 1143

=== Detailed Accuracy By Class ===

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

0.940 0.084 0.957 0.940 0.948 0.848 0.942 0.957 Vana

0.916 0.060 0.883 0.916 0.899 0.848 0.942 0.868 Kay

Weighted Avg. 0.932 0.076 0.933 0.932 0.932 0.848 0.942 0.927

=== Confusion Matrix ===

a b <-- classified as

717 46 | a = Vana

32 348 | b = Kay

