=== 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\_x <= -7.731182: not\_hand\_wash (452.0)

mean\_x > -7.731182

| mean\_x <= 0.075016

| | mean\_z <= 4.579768: hand\_wash (428.0/18.0)

| | mean\_z > 4.579768

| | | mean\_x <= -2.939045: hand\_wash (29.0/2.0)

| | | mean\_x > -2.939045

| | | | std\_x <= 0.276718: hand\_wash (14.0)

| | | | std\_x > 0.276718: not\_hand\_wash (41.0/6.0)

| mean\_x > 0.075016

| | std\_z <= 2.878735

| | | mean\_z <= 6.596053: not\_hand\_wash (131.0/1.0)

| | | mean\_z > 6.596053

| | | | mean\_x <= 2.992553: hand\_wash (4.0)

| | | | mean\_x > 2.992553: not\_hand\_wash (3.0)

| | std\_z > 2.878735

| | | mean\_y <= -1.28211: hand\_wash (31.0/1.0)

| | | mean\_y > -1.28211: not\_hand\_wash (10.0)

Number of Leaves : 10

Size of the tree : 19

Time taken to build model: 0.02 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 1104 96.5879 %

Incorrectly Classified Instances 39 3.4121 %

Kappa statistic 0.9306

Mean absolute error 0.0496

Root mean squared error 0.1788

Relative absolute error 10.1072 %

Root relative squared error 36.1081 %

Total Number of Instances 1143

=== Detailed Accuracy By Class ===

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

0.962 0.028 0.978 0.962 0.970 0.931 0.973 0.979 not\_hand\_wash

0.972 0.038 0.950 0.972 0.961 0.931 0.973 0.941 hand\_wash

Weighted Avg. 0.966 0.033 0.966 0.966 0.966 0.931 0.973 0.962

=== Confusion Matrix ===

a b <-- classified as

626 25 | a = not\_hand\_wash

14 478 | b = hand\_wash

