=== Run information ===

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

Relation: final\_preprocess

Instances: 177

Attributes: 24

Country

Year

Rank

Total

C1: Security Apparatus

C2: Factionalized Elites

C3: Group Grievance

E1: Economy

E2: Economic Inequality

E3: Human Flight and Brain Drain

P1: State Legitimacy

P2: Public Services

P3: Human Rights

S1: Demographic Pressures

S2: Refugees and IDPs

X1: External Intervention

L1: Literacy rate adult

A1: Exports and imports

A2: Foreign direct investment net inflows

R1: Life expectancy at birth

R2: Life expectancy Index

U1: Unemployment total

Outlier

ExtremeValue

Test mode: evaluate on training data

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

J48 pruned tree

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S1: Demographic Pressures <= 4.7

| P1: State Legitimacy <= 3.4: Sustainable (25.0/1.0)

| P1: State Legitimacy > 3.4

| | P2: Public Services <= 2.4: Sustainable (2.0)

| | P2: Public Services > 2.4: Stable (19.0)

S1: Demographic Pressures > 4.7

| C1: Security Apparatus <= 7.9

| | S1: Demographic Pressures <= 8

| | | C1: Security Apparatus <= 5.2

| | | | E1: Economy <= 5.7: Stable (8.0/1.0)

| | | | E1: Economy > 5.7: Warning (4.0)

| | | C1: Security Apparatus > 5.2: Warning (65.0/1.0)

| | S1: Demographic Pressures > 8

| | | C2: Factionalized Elites <= 7: Warning (10.0)

| | | C2: Factionalized Elites > 7

| | | | Outlier = no

| | | | | E3: Human Flight and Brain Drain <= 6: Warning (3.0)

| | | | | E3: Human Flight and Brain Drain > 6: Alert (13.0/1.0)

| | | | Outlier = yes: Warning (2.0)

| C1: Security Apparatus > 7.9: Alert (26.0/1.0)

Number of Leaves : 11

Size of the tree : 21

Time taken to build model: 0.01 seconds

=== Evaluation on training set ===

Time taken to test model on training data: 0 seconds

=== Summary ===

Correctly Classified Instances 172 97.1751 %

Incorrectly Classified Instances 5 2.8249 %

Kappa statistic 0.9583

Mean absolute error 0.0266

Root mean squared error 0.1153

Relative absolute error 7.8712 %

Root relative squared error 28.09 %

Total Number of Instances 177

=== Detailed Accuracy By Class ===

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

1.000 0.014 0.949 1.000 0.974 0.967 0.994 0.957 Alert

0.965 0.011 0.988 0.965 0.976 0.955 0.989 0.984 Warning

0.929 0.007 0.963 0.929 0.945 0.936 0.982 0.946 Stable

1.000 0.007 0.963 1.000 0.981 0.978 0.997 0.966 Sustainable

Weighted Avg. 0.972 0.010 0.972 0.972 0.972 0.958 0.990 0.970

=== Confusion Matrix ===

a b c d <-- classified as

37 0 0 0 | a = Alert

2 83 1 0 | b = Warning

0 1 26 1 | c = Stable

0 0 0 26 | d = Sustainable