=== Run information ===

Scheme: weka.classifiers.rules.JRip -F 3 -N 2.0 -O 2 -S 1

Relation: fsi1-2019-weka.filters.unsupervised.attribute.Discretize-B4-M-1.0-Rfirst-last-precision6

Instances: 2099

Attributes: 17

ï»¿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

Change from Previous Year

Test mode: 10-fold cross-validation

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

JRIP rules:

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(P2: Public Services = '(7.675-inf)') and (C3: Group Grievance = '(7.75-inf)') => Total='(89.35-inf)' (21.0/0.0)

(P2: Public Services = '(7.675-inf)') and (X1: External Intervention = '(7.675-inf)') => Total='(89.35-inf)' (8.0/2.0)

(P2: Public Services = '(-inf-3.025]') and (P1: State Legitimacy = '(-inf-2.95]') and (E2: Economic Inequality = '(-inf-3]') => Total='(-inf-41.05]' (21.0/1.0)

(X1: External Intervention = '(-inf-3.025]') and (S1: Demographic Pressures = '(-inf-3.25]') => Total='(-inf-41.05]' (8.0/0.0)

(P3: Human Rights = '(3.025-5.35]') and (Change from Previous Year >= -1.6) => Total='(41.05-65.2]' (23.0/6.0)

(P2: Public Services = '(-inf-3.025]') => Total='(41.05-65.2]' (11.0/3.0)

(P1: State Legitimacy = '(-inf-2.95]') => Total='(41.05-65.2]' (4.0/1.0)

=> Total='(65.2-89.35]' (82.0/10.0)

Number of Rules : 8

Time taken to build model: 0.04 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 126 70.7865 %

Incorrectly Classified Instances 52 29.2135 %

Kappa statistic 0.5743

Mean absolute error 0.1686

Root mean squared error 0.3476

Relative absolute error 48.105 %

Root relative squared error 83.0867 %

Total Number of Instances 178

Ignored Class Unknown Instances 1921

=== Detailed Accuracy By Class ===

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

0.697 0.055 0.742 0.697 0.719 0.658 0.931 0.683 '(-inf-41.05]'

0.543 0.105 0.559 0.543 0.551 0.443 0.829 0.407 '(41.05-65.2]'

0.810 0.242 0.727 0.810 0.766 0.564 0.432 0.033 '(65.2-89.35]'

0.645 0.034 0.800 0.645 0.714 0.667 0.860 0.603 '(89.35-inf)'

Weighted Avg. 0.708 0.144 0.710 0.708 0.706 0.576 0.677 0.326

=== Confusion Matrix ===

a b c d <-- classified as

23 7 3 0 | a = '(-inf-41.05]'

6 19 10 0 | b = '(41.05-65.2]'

2 8 64 5 | c = '(65.2-89.35]'

0 0 11 20 | d = '(89.35-inf)'