=== Run information ===

Scheme: weka.classifiers.rules.DecisionTable -X 1 -S "weka.attributeSelection.BestFirst -D 1 -N 5"

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

Instances: 178

Attributes: 23

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

GDPRank

Inflation

BirthRate

DeathRate

Life Expectancy

Economic Growth

Test mode: 10-fold cross-validation

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

Decision Table:

Number of training instances: 178

Number of Rules : 40

Non matches covered by Majority class.

Best first.

Start set: no attributes

Search direction: forward

Stale search after 5 node expansions

Total number of subsets evaluated: 137

Merit of best subset found: 82.022

Evaluation (for feature selection): CV (leave one out)

Feature set: 12,13,16,4

Time taken to build model: 0.11 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 120 67.4157 %

Incorrectly Classified Instances 58 32.5843 %

Kappa statistic 0.5348

Mean absolute error 0.2464

Root mean squared error 0.331

Relative absolute error 70.278 %

Root relative squared error 79.1129 %

Total Number of Instances 178

=== Detailed Accuracy By Class ===

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

0.879 0.124 0.617 0.879 0.725 0.665 0.952 0.882 '(-inf-41.05]'

0.343 0.070 0.545 0.343 0.421 0.330 0.812 0.512 '(41.05-65.2]'

0.734 0.212 0.734 0.734 0.734 0.522 0.844 0.771 '(65.2-89.35]'

0.677 0.061 0.700 0.677 0.689 0.624 0.945 0.772 '(89.35-inf)'

Weighted Avg. 0.674 0.142 0.669 0.674 0.663 0.529 0.875 0.741

=== Confusion Matrix ===

a b c d <-- classified as

29 4 0 0 | a = '(-inf-41.05]'

12 12 11 0 | b = '(41.05-65.2]'

6 6 58 9 | c = '(65.2-89.35]'

0 0 10 21 | d = '(89.35-inf)'