=== Run information ===

Scheme: weka.classifiers.trees.RandomForest -P 100 -I 100 -num-slots 1 -K 0 -M 1.0 -V 0.001 -S 1

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) ===

RandomForest

Bagging with 100 iterations and base learner

weka.classifiers.trees.RandomTree -K 0 -M 1.0 -V 0.001 -S 1 -do-not-check-capabilities

Time taken to build model: 0.13 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 139 78.0899 %

Incorrectly Classified Instances 39 21.9101 %

Kappa statistic 0.665

Mean absolute error 0.2459

Root mean squared error 0.3077

Relative absolute error 70.155 %

Root relative squared error 73.5532 %

Total Number of Instances 178

=== Detailed Accuracy By Class ===

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

0.939 0.034 0.861 0.939 0.899 0.875 0.991 0.961 '(-inf-41.05]'

0.257 0.014 0.818 0.257 0.391 0.401 0.965 0.869 '(41.05-65.2]'

1.000 0.323 0.712 1.000 0.832 0.694 0.982 0.977 '(65.2-89.35]'

0.645 0.000 1.000 0.645 0.784 0.775 0.991 0.964 '(89.35-inf)'

Weighted Avg. 0.781 0.153 0.811 0.781 0.749 0.684 0.982 0.950

=== Confusion Matrix ===

a b c d <-- classified as

31 2 0 0 | a = '(-inf-41.05]'

5 9 21 0 | b = '(41.05-65.2]'

0 0 79 0 | c = '(65.2-89.35]'

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