=== Run information ===

Scheme: weka.classifiers.bayes.NaiveBayes

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) ===

Naive Bayes Classifier

Class

Attribute '(-inf-41.05]' '(41.05-65.2]' '(65.2-89.35]' '(89.35-inf)'

(0.19) (0.2) (0.44) (0.18)

===============================================================================================

ï»¿Country

Yemen 1.0 1.0 1.0 2.0

Somalia 1.0 1.0 1.0 2.0

South Sudan 1.0 1.0 1.0 2.0

Syria 1.0 1.0 1.0 2.0

Congo Democratic Republic 1.0 1.0 1.0 2.0

Central African Republic 1.0 1.0 1.0 2.0

Chad 1.0 1.0 1.0 2.0

Sudan 1.0 1.0 1.0 2.0

Afghanistan 1.0 1.0 1.0 2.0

Zimbabwe 1.0 1.0 1.0 2.0

Guinea 1.0 1.0 1.0 2.0

Haiti 1.0 1.0 1.0 2.0

Iraq 1.0 1.0 1.0 2.0

Nigeria 1.0 1.0 1.0 2.0

Burundi 1.0 1.0 1.0 2.0

Cameroon 1.0 1.0 1.0 2.0

Eritrea 1.0 1.0 1.0 2.0

Niger 1.0 1.0 1.0 2.0

Guinea Bissau 1.0 1.0 1.0 2.0

Uganda 1.0 1.0 1.0 2.0

Mali 1.0 1.0 1.0 2.0

Myanmar 1.0 1.0 1.0 2.0

Pakistan 1.0 1.0 1.0 2.0

Ethiopia 1.0 1.0 1.0 2.0

Kenya 1.0 1.0 1.0 2.0

North Korea 1.0 1.0 1.0 2.0

Congo Republic 1.0 1.0 1.0 2.0

Libya 1.0 1.0 1.0 2.0

Cote d Ivoire 1.0 1.0 1.0 2.0

Liberia 1.0 1.0 1.0 2.0

Mauritania 1.0 1.0 1.0 2.0

Venezuela 1.0 1.0 2.0 1.0

Mozambique 1.0 1.0 2.0 1.0

Egypt 1.0 1.0 2.0 1.0

Angola 1.0 1.0 2.0 1.0

Bangladesh 1.0 1.0 2.0 1.0

Rwanda 1.0 1.0 2.0 1.0

Togo 1.0 1.0 2.0 1.0

Sierra Leone 1.0 1.0 2.0 1.0

Zambia 1.0 1.0 2.0 1.0

Timor-Leste 1.0 1.0 2.0 1.0

Eswatini 1.0 1.0 2.0 1.0

Djibouti 1.0 1.0 2.0 1.0

Lebanon 1.0 1.0 2.0 1.0

Nepal 1.0 1.0 2.0 1.0

Sri Lanka 1.0 1.0 2.0 1.0

Burkina Faso 1.0 1.0 2.0 1.0

Gambia 1.0 1.0 2.0 1.0

Malawi 1.0 1.0 2.0 1.0

Papua New Guinea 1.0 1.0 2.0 1.0

Philippines 1.0 1.0 2.0 1.0

Iran 1.0 1.0 2.0 1.0

Equatorial Guinea 1.0 1.0 2.0 1.0

Cambodia 1.0 1.0 2.0 1.0

Solomon Islands 1.0 1.0 2.0 1.0

Comoros 1.0 1.0 2.0 1.0

Guatemala 1.0 1.0 2.0 1.0

Madagascar 1.0 1.0 2.0 1.0

Turkey 1.0 1.0 2.0 1.0

Tanzania 1.0 1.0 2.0 1.0

Lesotho 1.0 1.0 2.0 1.0

Laos 1.0 1.0 2.0 1.0

Nicaragua 1.0 1.0 2.0 1.0

Honduras 1.0 1.0 2.0 1.0

Tajikistan 1.0 1.0 2.0 1.0

Senegal 1.0 1.0 2.0 1.0

Israel and West Bank 1.0 1.0 2.0 1.0

Kyrgyz Republic 1.0 1.0 2.0 1.0

Jordan 1.0 1.0 2.0 1.0

Colombia 1.0 1.0 2.0 1.0

Uzbekistan 1.0 1.0 2.0 1.0

Algeria 1.0 1.0 2.0 1.0

Russia 1.0 1.0 2.0 1.0

India 1.0 1.0 2.0 1.0

Benin 1.0 1.0 2.0 1.0

Azerbaijan 1.0 1.0 2.0 1.0

Thailand 1.0 1.0 2.0 1.0

Morocco 1.0 1.0 2.0 1.0

Micronesia 1.0 1.0 2.0 1.0

Bolivia 1.0 1.0 2.0 1.0

Georgia 1.0 1.0 2.0 1.0

Bhutan 1.0 1.0 2.0 1.0

Brazil 1.0 1.0 2.0 1.0

Fiji 1.0 1.0 2.0 1.0

Turkmenistan 1.0 1.0 2.0 1.0

Bosnia and Herzegovina 1.0 1.0 2.0 1.0

Ecuador 1.0 1.0 2.0 1.0

Sao Tome and Principe 1.0 1.0 2.0 1.0

China 1.0 1.0 2.0 1.0

South Africa 1.0 1.0 2.0 1.0

Ukraine 1.0 1.0 2.0 1.0

Gabon 1.0 1.0 2.0 1.0

Saudi Arabia 1.0 1.0 2.0 1.0

Indonesia 1.0 1.0 2.0 1.0

Tunisia 1.0 1.0 2.0 1.0

El Salvador 1.0 1.0 2.0 1.0

Maldives 1.0 1.0 2.0 1.0

Mexico 1.0 1.0 2.0 1.0

Peru 1.0 1.0 2.0 1.0

Guyana 1.0 1.0 2.0 1.0

Belarus 1.0 1.0 2.0 1.0

Serbia 1.0 1.0 2.0 1.0

Moldova 1.0 1.0 2.0 1.0

Paraguay 1.0 1.0 2.0 1.0

Armenia 1.0 1.0 2.0 1.0

Cape Verde 1.0 1.0 2.0 1.0

Namibia 1.0 1.0 2.0 1.0

Dominican Republic 1.0 1.0 2.0 1.0

Vietnam 1.0 1.0 2.0 1.0

Ghana 1.0 1.0 2.0 1.0

Macedonia 1.0 2.0 1.0 1.0

Samoa 1.0 2.0 1.0 1.0

Bahrain 1.0 2.0 1.0 1.0

Belize 1.0 2.0 1.0 1.0

Suriname 1.0 2.0 1.0 1.0

Kazakhstan 1.0 2.0 1.0 1.0

Jamaica 1.0 2.0 1.0 1.0

Cuba 1.0 2.0 1.0 1.0

Malaysia 1.0 2.0 1.0 1.0

Botswana 1.0 2.0 1.0 1.0

Albania 1.0 2.0 1.0 1.0

Cyprus 1.0 2.0 1.0 1.0

Grenada 1.0 2.0 1.0 1.0

Brunei Darussalam 1.0 2.0 1.0 1.0

Montenegro 1.0 2.0 1.0 1.0

Seychelles 1.0 2.0 1.0 1.0

Antigua and Barbuda 1.0 2.0 1.0 1.0

Mongolia 1.0 2.0 1.0 1.0

Greece 1.0 2.0 1.0 1.0

Kuwait 1.0 2.0 1.0 1.0

Trinidad and Tobago 1.0 2.0 1.0 1.0

Bulgaria 1.0 2.0 1.0 1.0

Oman 1.0 2.0 1.0 1.0

Hungary 1.0 2.0 1.0 1.0

Bahamas 1.0 2.0 1.0 1.0

Barbados 1.0 2.0 1.0 1.0

Romania 1.0 2.0 1.0 1.0

Croatia 1.0 2.0 1.0 1.0

Panama 1.0 2.0 1.0 1.0

Argentina 1.0 2.0 1.0 1.0

Qatar 1.0 2.0 1.0 1.0

Latvia 1.0 2.0 1.0 1.0

Italy 1.0 2.0 1.0 1.0

Poland 1.0 2.0 1.0 1.0

Costa Rica 1.0 2.0 1.0 1.0

Estonia 2.0 1.0 1.0 1.0

Spain 2.0 1.0 1.0 1.0

Slovak Republic 2.0 1.0 1.0 1.0

United Arab Emirates 2.0 1.0 1.0 1.0

Mauritius 2.0 1.0 1.0 1.0

Chile 2.0 1.0 1.0 1.0

Lithuania 2.0 1.0 1.0 1.0

United States 2.0 1.0 1.0 1.0

Czechia 2.0 1.0 1.0 1.0

United Kingdom 2.0 1.0 1.0 1.0

Malta 2.0 1.0 1.0 1.0

Japan 2.0 1.0 1.0 1.0

Uruguay 2.0 1.0 1.0 1.0

South Korea 2.0 1.0 1.0 1.0

France 2.0 1.0 1.0 1.0

Belgium 2.0 1.0 1.0 1.0

Singapore 2.0 1.0 1.0 1.0

Slovenia 2.0 1.0 1.0 1.0

Portugal 2.0 1.0 1.0 1.0

Austria 2.0 1.0 1.0 1.0

Netherlands 2.0 1.0 1.0 1.0

Germany 2.0 1.0 1.0 1.0

Ireland 2.0 1.0 1.0 1.0

Luxembourg 2.0 1.0 1.0 1.0

Sweden 2.0 1.0 1.0 1.0

New Zealand 2.0 1.0 1.0 1.0

Canada 2.0 1.0 1.0 1.0

Iceland 2.0 1.0 1.0 1.0

Australia 2.0 1.0 1.0 1.0

Denmark 2.0 1.0 1.0 1.0

Switzerland 2.0 1.0 1.0 1.0

Norway 2.0 1.0 1.0 1.0

Finland 2.0 1.0 1.0 1.0

[total] 211.0 213.0 257.0 209.0

Year

'All' 34.0 36.0 80.0 32.0

[total] 34.0 36.0 80.0 32.0

Rank

1st 1.0 1.0 1.0 2.0

2nd 1.0 1.0 1.0 2.0

3rd 1.0 1.0 1.0 2.0

4th 1.0 1.0 1.0 2.0

5th 1.0 1.0 1.0 2.0

6th 1.0 1.0 1.0 2.0

7th 1.0 1.0 1.0 2.0

8th 1.0 1.0 1.0 2.0

9th 1.0 1.0 1.0 2.0

10th 1.0 1.0 1.0 2.0

11th 1.0 1.0 1.0 2.0

12th 1.0 1.0 1.0 2.0

13th 1.0 1.0 1.0 2.0

14th 1.0 1.0 1.0 2.0

15th 1.0 1.0 1.0 2.0

16th 1.0 1.0 1.0 2.0

17th 1.0 1.0 1.0 2.0

18th 1.0 1.0 1.0 2.0

19th 1.0 1.0 1.0 2.0

20th 1.0 1.0 1.0 2.0

21st 1.0 1.0 1.0 2.0

22nd 1.0 1.0 1.0 2.0

23rd 1.0 1.0 1.0 3.0

25th 1.0 1.0 1.0 2.0

26th 1.0 1.0 1.0 2.0

27th 1.0 1.0 1.0 2.0

28th 1.0 1.0 1.0 2.0

29th 1.0 1.0 1.0 2.0

30th 1.0 1.0 1.0 2.0

31st 1.0 1.0 1.0 2.0

32nd 1.0 1.0 2.0 1.0

33rd 1.0 1.0 2.0 1.0

34th 1.0 1.0 2.0 1.0

35th 1.0 1.0 2.0 1.0

36th 1.0 1.0 2.0 1.0

37th 1.0 1.0 2.0 1.0

38th 1.0 1.0 2.0 1.0

39th 1.0 1.0 2.0 1.0

40th 1.0 1.0 2.0 1.0

41st 1.0 1.0 2.0 1.0

42nd 1.0 1.0 2.0 1.0

43rd 1.0 1.0 2.0 1.0

44th 1.0 1.0 2.0 1.0

45th 1.0 1.0 2.0 1.0

46th 1.0 1.0 2.0 1.0

47th 1.0 1.0 3.0 1.0

49th 1.0 1.0 2.0 1.0

50th 1.0 1.0 3.0 1.0

52nd 1.0 1.0 2.0 1.0

53rd 1.0 1.0 2.0 1.0

54th 1.0 1.0 2.0 1.0

55th 1.0 1.0 2.0 1.0

56th 1.0 1.0 2.0 1.0

57th 1.0 1.0 2.0 1.0

58th 1.0 1.0 2.0 1.0

59th 1.0 1.0 2.0 1.0

60th 1.0 1.0 2.0 1.0

61st 1.0 1.0 2.0 1.0

62nd 1.0 1.0 2.0 1.0

63rd 1.0 1.0 2.0 1.0

64th 1.0 1.0 2.0 1.0

65th 1.0 1.0 2.0 1.0

66th 1.0 1.0 2.0 1.0

67th 1.0 1.0 2.0 1.0

68th 1.0 1.0 2.0 1.0

69th 1.0 1.0 2.0 1.0

70th 1.0 1.0 3.0 1.0

72nd 1.0 1.0 2.0 1.0

73rd 1.0 1.0 2.0 1.0

74th 1.0 1.0 2.0 1.0

75th 1.0 1.0 2.0 1.0

76th 1.0 1.0 2.0 1.0

77th 1.0 1.0 2.0 1.0

78th 1.0 1.0 3.0 1.0

80th 1.0 1.0 2.0 1.0

81st 1.0 1.0 3.0 1.0

83rd 1.0 1.0 2.0 1.0

84th 1.0 1.0 2.0 1.0

85th 1.0 1.0 2.0 1.0

86th 1.0 1.0 2.0 1.0

87th 1.0 1.0 2.0 1.0

88th 1.0 1.0 4.0 1.0

91st 1.0 1.0 2.0 1.0

92nd 1.0 1.0 2.0 1.0

93rd 1.0 1.0 3.0 1.0

95th 1.0 1.0 2.0 1.0

96th 1.0 1.0 3.0 1.0

98th 1.0 1.0 2.0 1.0

99th 1.0 1.0 4.0 1.0

102nd 1.0 1.0 2.0 1.0

103rd 1.0 1.0 2.0 1.0

104th 1.0 1.0 2.0 1.0

105th 1.0 1.0 2.0 1.0

106th 1.0 1.0 2.0 1.0

107th 1.0 1.0 2.0 1.0

108th 1.0 1.0 2.0 1.0

109th 1.0 1.0 2.0 1.0

110th 1.0 1.0 2.0 1.0

111th 1.0 2.0 1.0 1.0

112th 1.0 2.0 1.0 1.0

113th 1.0 2.0 1.0 1.0

114th 1.0 2.0 1.0 1.0

115th 1.0 2.0 1.0 1.0

116th 1.0 2.0 1.0 1.0

117th 1.0 2.0 1.0 1.0

118th 1.0 2.0 1.0 1.0

119th 1.0 2.0 1.0 1.0

120th 1.0 2.0 1.0 1.0

121st 1.0 2.0 1.0 1.0

122nd 1.0 2.0 1.0 1.0

123rd 1.0 2.0 1.0 1.0

124th 1.0 2.0 1.0 1.0

125th 1.0 2.0 1.0 1.0

126th 1.0 2.0 1.0 1.0

127th 1.0 2.0 1.0 1.0

128th 1.0 2.0 1.0 1.0

129th 1.0 2.0 1.0 1.0

130th 1.0 2.0 1.0 1.0

131st 1.0 2.0 1.0 1.0

132nd 1.0 2.0 1.0 1.0

133rd 1.0 2.0 1.0 1.0

134th 1.0 2.0 1.0 1.0

135th 1.0 2.0 1.0 1.0

136th 1.0 2.0 1.0 1.0

137th 1.0 2.0 1.0 1.0

138th 1.0 2.0 1.0 1.0

139th 1.0 2.0 1.0 1.0

140th 1.0 2.0 1.0 1.0

141st 1.0 2.0 1.0 1.0

142nd 1.0 2.0 1.0 1.0

143rd 1.0 2.0 1.0 1.0

144th 1.0 2.0 1.0 1.0

145th 1.0 2.0 1.0 1.0

146th 2.0 1.0 1.0 1.0

147th 2.0 1.0 1.0 1.0

148th 2.0 1.0 1.0 1.0

149th 2.0 1.0 1.0 1.0

150th 3.0 1.0 1.0 1.0

152nd 2.0 1.0 1.0 1.0

153rd 2.0 1.0 1.0 1.0

154th 2.0 1.0 1.0 1.0

155th 2.0 1.0 1.0 1.0

156th 2.0 1.0 1.0 1.0

157th 2.0 1.0 1.0 1.0

158th 2.0 1.0 1.0 1.0

159th 2.0 1.0 1.0 1.0

160th 2.0 1.0 1.0 1.0

161st 2.0 1.0 1.0 1.0

162nd 2.0 1.0 1.0 1.0

163rd 2.0 1.0 1.0 1.0

164th 2.0 1.0 1.0 1.0

165th 2.0 1.0 1.0 1.0

166th 2.0 1.0 1.0 1.0

167th 2.0 1.0 1.0 1.0

168th 2.0 1.0 1.0 1.0

169th 2.0 1.0 1.0 1.0

170th 2.0 1.0 1.0 1.0

171st 2.0 1.0 1.0 1.0

172nd 2.0 1.0 1.0 1.0

173rd 2.0 1.0 1.0 1.0

174th 2.0 1.0 1.0 1.0

175th 2.0 1.0 1.0 1.0

176th 2.0 1.0 1.0 1.0

177th 2.0 1.0 1.0 1.0

178th 2.0 1.0 1.0 1.0

[total] 198.0 200.0 244.0 196.0

C1: Security Apparatus

'(-inf-3.025]' 26.0 7.0 1.0 1.0

'(3.025-5.35]' 9.0 23.0 17.0 1.0

'(5.35-7.675]' 1.0 8.0 55.0 8.0

'(7.675-inf)' 1.0 1.0 10.0 25.0

[total] 37.0 39.0 83.0 35.0

C2: Factionalized Elites

'(-inf-3.25]' 22.0 3.0 1.0 1.0

'(3.25-5.5]' 10.0 18.0 7.0 2.0

'(5.5-7.75]' 4.0 16.0 32.0 2.0

'(7.75-inf)' 1.0 2.0 43.0 30.0

[total] 37.0 39.0 83.0 35.0

C3: Group Grievance

'(-inf-3.25]' 15.0 4.0 5.0 1.0

'(3.25-5.5]' 14.0 21.0 20.0 3.0

'(5.5-7.75]' 7.0 9.0 37.0 9.0

'(7.75-inf)' 1.0 5.0 21.0 22.0

[total] 37.0 39.0 83.0 35.0

E1: Economy

'(-inf-3.35]' 21.0 5.0 2.0 1.0

'(3.35-5.5]' 14.0 21.0 28.0 2.0

'(5.5-7.65]' 1.0 12.0 42.0 12.0

'(7.65-inf)' 1.0 1.0 11.0 20.0

[total] 37.0 39.0 83.0 35.0

E2: Economic Inequality

'(-inf-3]' 27.0 7.0 2.0 1.0

'(3-5.3]' 8.0 25.0 23.0 2.0

'(5.3-7.6]' 1.0 6.0 39.0 16.0

'(7.6-inf)' 1.0 1.0 19.0 16.0

[total] 37.0 39.0 83.0 35.0

E3: Human Flight and Brain Drain

'(-inf-3.15]' 24.0 5.0 1.0 1.0

'(3.15-5.3]' 11.0 22.0 20.0 2.0

'(5.3-7.45]' 1.0 6.0 43.0 19.0

'(7.45-inf)' 1.0 6.0 19.0 13.0

[total] 37.0 39.0 83.0 35.0

P1: State Legitimacy

'(-inf-2.95]' 27.0 7.0 1.0 1.0

'(2.95-5.3]' 6.0 17.0 14.0 1.0

'(5.3-7.65]' 3.0 11.0 41.0 5.0

'(7.65-inf)' 1.0 4.0 27.0 28.0

[total] 37.0 39.0 83.0 35.0

P2: Public Services

'(-inf-3.025]' 33.0 14.0 1.0 1.0

'(3.025-5.35]' 2.0 21.0 32.0 1.0

'(5.35-7.675]' 1.0 3.0 35.0 2.0

'(7.675-inf)' 1.0 1.0 15.0 31.0

[total] 37.0 39.0 83.0 35.0

P3: Human Rights

'(-inf-3.025]' 26.0 6.0 2.0 1.0

'(3.025-5.35]' 8.0 22.0 19.0 1.0

'(5.35-7.675]' 2.0 9.0 41.0 11.0

'(7.675-inf)' 1.0 2.0 21.0 22.0

[total] 37.0 39.0 83.0 35.0

S1: Demographic Pressures

'(-inf-3.25]' 30.0 14.0 3.0 1.0

'(3.25-5.5]' 4.0 21.0 26.0 2.0

'(5.5-7.75]' 2.0 2.0 36.0 3.0

'(7.75-inf)' 1.0 2.0 18.0 29.0

[total] 37.0 39.0 83.0 35.0

S2: Refugees and IDPs

'(-inf-3.325]' 28.0 24.0 8.0 1.0

'(3.325-5.55]' 7.0 9.0 40.0 2.0

'(5.55-7.775]' 1.0 5.0 27.0 11.0

'(7.775-inf)' 1.0 1.0 8.0 21.0

[total] 37.0 39.0 83.0 35.0

X1: External Intervention

'(-inf-3.025]' 28.0 4.0 3.0 1.0

'(3.025-5.35]' 7.0 20.0 22.0 1.0

'(5.35-7.675]' 1.0 12.0 47.0 10.0

'(7.675-inf)' 1.0 3.0 11.0 23.0

[total] 37.0 39.0 83.0 35.0

Change from Previous Year

mean -1.0791 -1.4035 -1.514 -1.3489

std. dev. 0.9687 0.9788 1.3454 1.5219

weight sum 33 35 79 31

precision 0.1826 0.1826 0.1826 0.1826

Time taken to build model: 0 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 165 92.6966 %

Incorrectly Classified Instances 13 7.3034 %

Kappa statistic 0.8954

Mean absolute error 0.054

Root mean squared error 0.1731

Relative absolute error 15.41 %

Root relative squared error 41.3866 %

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

0.970 0.034 0.865 0.970 0.914 0.896 0.980 0.954 '(-inf-41.05]'

0.800 0.014 0.933 0.800 0.862 0.835 0.919 0.894 '(41.05-65.2]'

0.962 0.040 0.950 0.962 0.956 0.921 0.976 0.970 '(65.2-89.35]'

0.935 0.014 0.935 0.935 0.935 0.922 0.970 0.961 '(89.35-inf)'

Weighted Avg. 0.927 0.029 0.928 0.927 0.926 0.899 0.964 0.951

=== Confusion Matrix ===

a b c d <-- classified as

32 1 0 0 | a = '(-inf-41.05]'

5 28 2 0 | b = '(41.05-65.2]'

0 1 76 2 | c = '(65.2-89.35]'

0 0 2 29 | d = '(89.35-inf)'