For trade data, now I removed countries including Russia, German, Yugoslovia and a few other similar short life countries. Now there are p=197 countries.

Using the change point detection method, now the change point slightly changed to time=1991.

Here are the three groups (only poor cluster have some members moving to rich cluster but no rich cluster moving to poor cluster any more):

Rich cluster: (no switch)

[1] "United States of America" "Canada" "United Kingdom" "Ireland"

[5] "Netherlands" "Belgium" "Luxembourg" "France"

[9] "Switzerland" "Spain" "Portugal" "Italy"

[13] "Greece" "Finland" "Sweden" "Norway"

[17] "Denmark" "Turkey" "Egypt" "India"

[21] "Bangladesh" "Sri Lanka" "Thailand" "Malaysia"

[25] "Philippines" "Australia"

Poor cluster: (no switch)

[1] "Bahamas" "Cuba" "Haiti"

[4] "Dominican Republic" "Jamaica" "Trinidad and Tobago"

[7] "Barbados" "Dominica" "Grenada"

[10] "St. Lucia" "St. Vincent and the Grenadines" "Antigua & Barbuda"

[13] "St. Kitts and Nevis" "Belize" "Guatemala"

[16] "Honduras" "El Salvador" "Nicaragua"

[19] "Panama" "Venezuela" "Guyana"

[22] "Suriname" "Paraguay" "Monaco"

[25] "Liechtenstein" "Andorra" "Bavaria"

[28] "German Democratic Republic" "Baden" "Wuerttemburg"

[31] "Austria-Hungary" "San Marino" "Albania"

[34] "Montenegro" "Macedonia" "Croatia"

[37] "Bosnia and Herzegovina" "Slovenia" "Moldova"

[40] "Estonia" "Latvia" "Lithuania

[43] "Ukraine" "Belarus" "Armenia"

[46] "Georgia" "Azerbaijan" "Iceland"

[49] "Cape Verde" "Sao Tome and Principe" "Guinea-Bissau"

[52] "Equatorial Guinea" "Gambia" "Mali"

[55] "Benin" "Mauritania" "Niger"

[58] "Guinea" "Burkina Faso" "Liberia"

[61] "Sierra Leone" "Ghana" "Togo"

[64] "Cameroon" "Nigeria" "Gabon"

[67] "Central African Republic" "Chad" "Congo"

[70] "Democratic Republic of the Congo" "Uganda" "Tanzania"

[73] "Zanzibar" "Burundi" "Rwanda"

[76] "Somalia" "Djibouti" "Ethiopia"

[79] "Eritrea" "Angola" "Mozambique"

[82] "Zambia" "Malawi" "Namibia"

[85] "Lesotho" "Botswana" "Swaziland"

[88] "Comoros" "Mauritius" "Seychelles"

[91] "Libya" "Sudan" "Iran"

[94] "Iraq" "Yemen Arab Republic" "Yemen"

[97] "Yemen People's Republic" "Kuwait" "Bahrain"

[100] "Qatar" "Afghanistan" "Turkmenistan"

[103] "Tajikistan" "Kyrgyzstan" "Uzbekistan"

[106] "Kazakhstan" "Mongolia" "North Korea"

[109] "Bhutan" "Myanmar" "Maldives"

[112] "Nepal" "Cambodia" "Laos"

[115] "Vietnam" "Republic of Vietnam" "Brunei"

[118] "East Timor" "Papua New Guinea" "Vanuatu"

[121] "Solomon Islands" "Kiribati" "Tuvalu"

[124] "Fiji" "Tonga" "Nauru"

[127] "Marshall Islands" "Palau" "Federated States of Micronesia"

[130] "Samoa"

Switch cluster (move from poor cluster to rich cluster):

[1] "Mexico" "Costa Rica" "Colombia" "Ecuador"

[5] "Peru" "Brazil" "Bolivia" "Chile"

[9] "Argentina" "Uruguay" "Poland" "Austria"

[13] "Hungary" "Malta" "Cyprus" "Bulgaria"

[17] "Romania" "Senegal" "Ivory Coast" "Kenya"

[21] "Zimbabwe" "South Africa" "Madagascar" "Morocco"

[25] "Algeria" "Tunisia" "Syria" "Lebanon"

[29] "Jordan" "Israel" "Saudi Arabia" "United Arab Emirates"

[33] "Oman" "China" "Taiwan" "South Korea"

[37] "Japan" "Pakistan" "Singapore" "Indonesia"

[41] "New Zealand"