

# **Geopol Data**

This data set contains a comparison of  
41 countries according to 10 different  
political and economic parameters

# 10 Parameters

**popu** population 人口

**giph** Gross Internal Product per habitant 國民生產總值

**ripo** rate of increase of the population 人口增加率

**rupo** rate of urban population 都市人口比例

**rlpo** rate of illiteracy in the population 文盲比例

**rspo** rate of students in the population 學生比例

**eltp** expected lifetime of people 期望壽命

**rnnr** rate of nutritional needs realized 營養需求實現率

**nunh** number of newspapers and magazines per 1000  
habitants 每1000居民中的報章雜誌數

**nuth** number of television per 1000 habitants  
每1000居民中電視的數量

# 41 Countries

- |                     |               |                 |
|---------------------|---------------|-----------------|
| • AFS South Africa  | DAN Denmark   | MAR Marocco     |
| • ALG Algeria       | EGY Egypt     | MEX Mexico      |
| • BRD Germany       | ESP Spain     | NOR Norway      |
| • GBR Great Britain | FRA France    | PER Peru        |
| • ARS Saudi Arabia  | GAB Gabun     | POL Poland      |
| • ARG Argentine     | GRE Greece    | POR Portugal    |
| • AUS Australia     | HOK Hong Kong | SUE Sweden      |
| • AUT Austria       | HON Hungary   | SUI Switzerland |
| • BEL Belgium       | IND India     | THA Tailand     |
| • CAM Cameroon      | IDO Indonesia | URS USSR        |
| • CAN Canada        | ISR Israel    | USA USA         |
| • CHL Chile         | ITA Italia    | VEN Venezuela   |
| • CHN China         | JAP Japan     | YOU Yugoslavia  |
| • CUB Cuba          | KEN Kenia     |                 |

- K=2, S=[15 26]
  - 'BRD' 'GBR' '**ARG**' 'AUS' 'AUT' 'BEL' 'CAN' '**CHL**' '**CUB**'  
'DAN' 'ESP' 'FRA' '**GRE**' 'HOK' '**HON**' '**ISR**' 'ITA' 'JAP'  
'NOR' 'POL' 'POR' 'SUE' 'SUI' 'URS' 'USA' '**YOU**'
- K=3, S=[14 11 16]
  - '**ARG**' '**CHL**' '**CUB**' '**GRE**' '**HON**' '**ISR**' '**MEX**' '**PER**' '**POL**'  
'POR' 'THA' 'URS' 'VEN' '**YOU**'
  - 'AFS' 'ALG' 'ARS' 'CAM' 'CHN' 'EGY' 'GAB' 'IND' 'IDO'  
'KEN' 'MAR'
  - 'BRD' 'GBR' 'AUS' 'AUT' 'BEL' 'CAN' 'DAN' 'ESP' 'FRA'  
'HOK' 'ITA' 'JAP' 'NOR' 'SUE' 'SUI' 'USA'

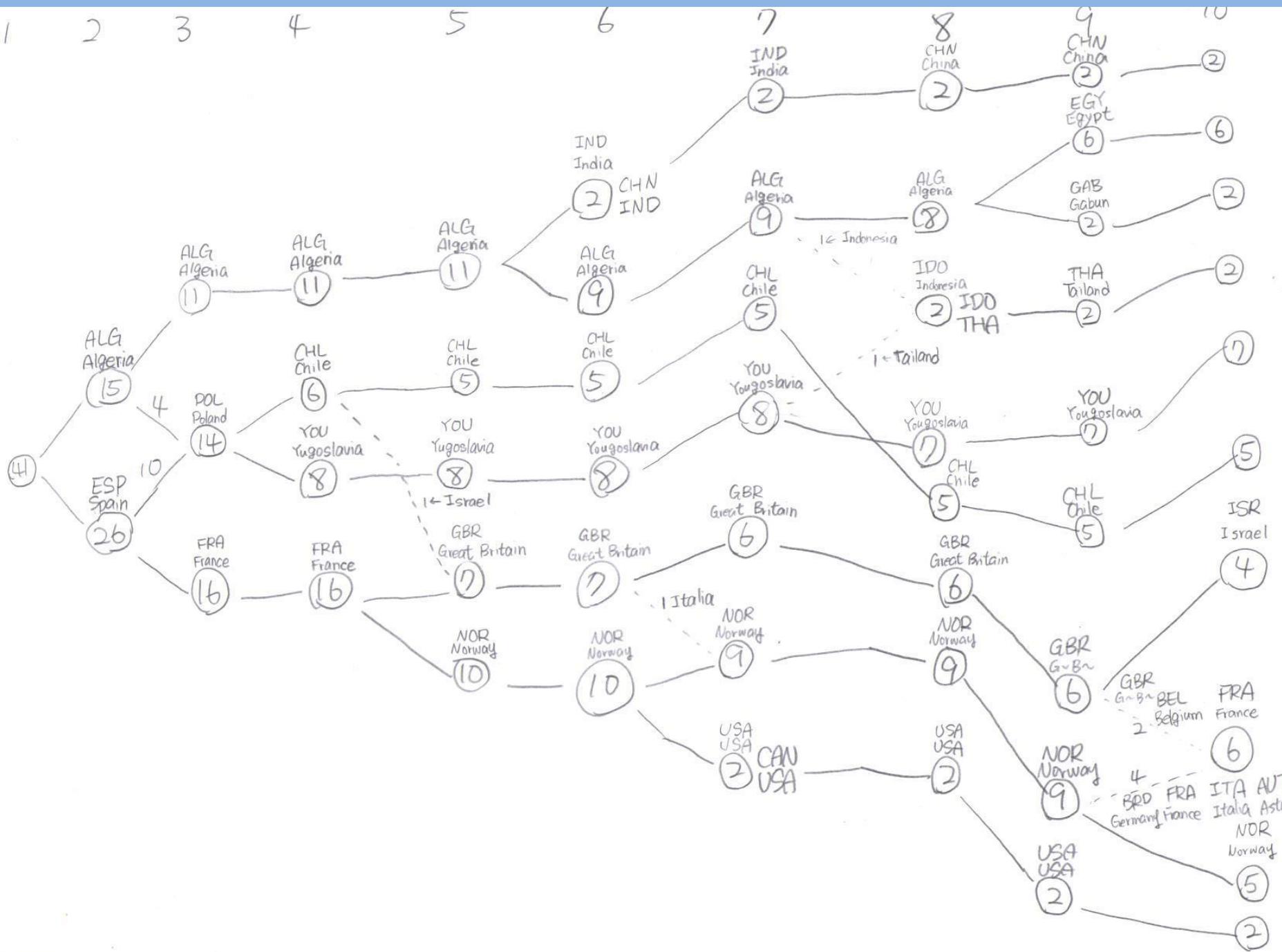
- K=4, S=[6 8 11 16]
- 'CUB' 'GRE' 'HON' 'POL' 'POR' 'THA' 'URS' 'YOU' replaced by ""
- 'AFS' 'ALG' 'ARS' 'CAM' 'CHN' 'EGY' 'GAB' 'IND' 'IDO' 'KEN' 'MAR'
- 'ARG' 'CHL' 'ISR' 'MEX' 'PER' 'VEN' replaced by ""
- 'BRD' 'GBR' 'AUS' 'AUT' 'BEL' 'CAN' 'DAN' 'ESP' 'FRA' 'HOK' 'ITA'  
'JAP' 'NOR' 'SUE' 'SUI' 'USA'
- K=5, S=[5 7 8 10 11]
- 'AFS' 'ALG' 'ARS' 'CAM' 'CHN' 'EGY' 'GAB' 'IND' 'IDO' 'KEN' 'MAR'
- 'BRD' 'AUT' 'CAN' 'DAN' 'FRA' 'JAP' 'NOR' 'SUE' 'SUI' 'USA'
- 'GBR' 'AUS' 'BEL' 'ESP' 'HOK' 'ISR' 'ITA,
- 'ARG' 'CHL' 'MEX' 'PER' 'VEN'
- 'CUB' 'GRE' 'HON' 'POL' 'POR' 'THA' 'URS' 'YOU'

- K=6, S=[**2 5 7 8 9 10**] 只有11類分成2+9類
- '**CHN**' '**IND**'
- '**ARG**' '**CHL**' '**MEX**' '**PER**' '**VEN**'
- '**BRD**' '**AUT**' '**CAN**' '**DAN**' '**FRA**' '**JAP**' '**NOR**' '**SUE**' '**SUI**' '**USA**'
- '**GBR**' '**AUS**' '**BEL**' '**ESP**' '**HOK**' '**ISR**' '**ITA**'
- '**CUB**' '**GRE**' '**HON**' '**POL**' '**POR**' '**THA**' '**URS**' '**YOU**'
- '**AFS**' '**ALG**' '**ARS**' '**CAM**' '**EGY**' '**GAB**' '**IDO**' '**KEN**' '**MAR**'
- K=7, S=[**2 2 5 6 8 9 9**] ◎不變◎不變◎不變 '**ITA**'跑去另外一組
- '**CAN**' '**USA**' replaced by ""
- '**CHN**' '**IND**'
- '**AFS**' '**ALG**' '**ARS**' '**CAM**' '**EGY**' '**GAB**' '**IDO**' '**KEN**' '**MAR**'
- '**BRD**' '**AUT**' '**DAN**' '**FRA**' '**ITA**' '**JAP**' '**NOR**' '**SUE**' '**SUI**'
- '**GBR**' '**AUS**' '**BEL**' '**ESP**' '**HOK**' '**ISR**,
- '**ARG**' '**CHL**' '**MEX**' '**PER**' '**VEN**'
- '**CUB**' '**GRE**' '**HON**' '**POL**' '**POR**' '**THA**' '**URS**' '**YOU**'

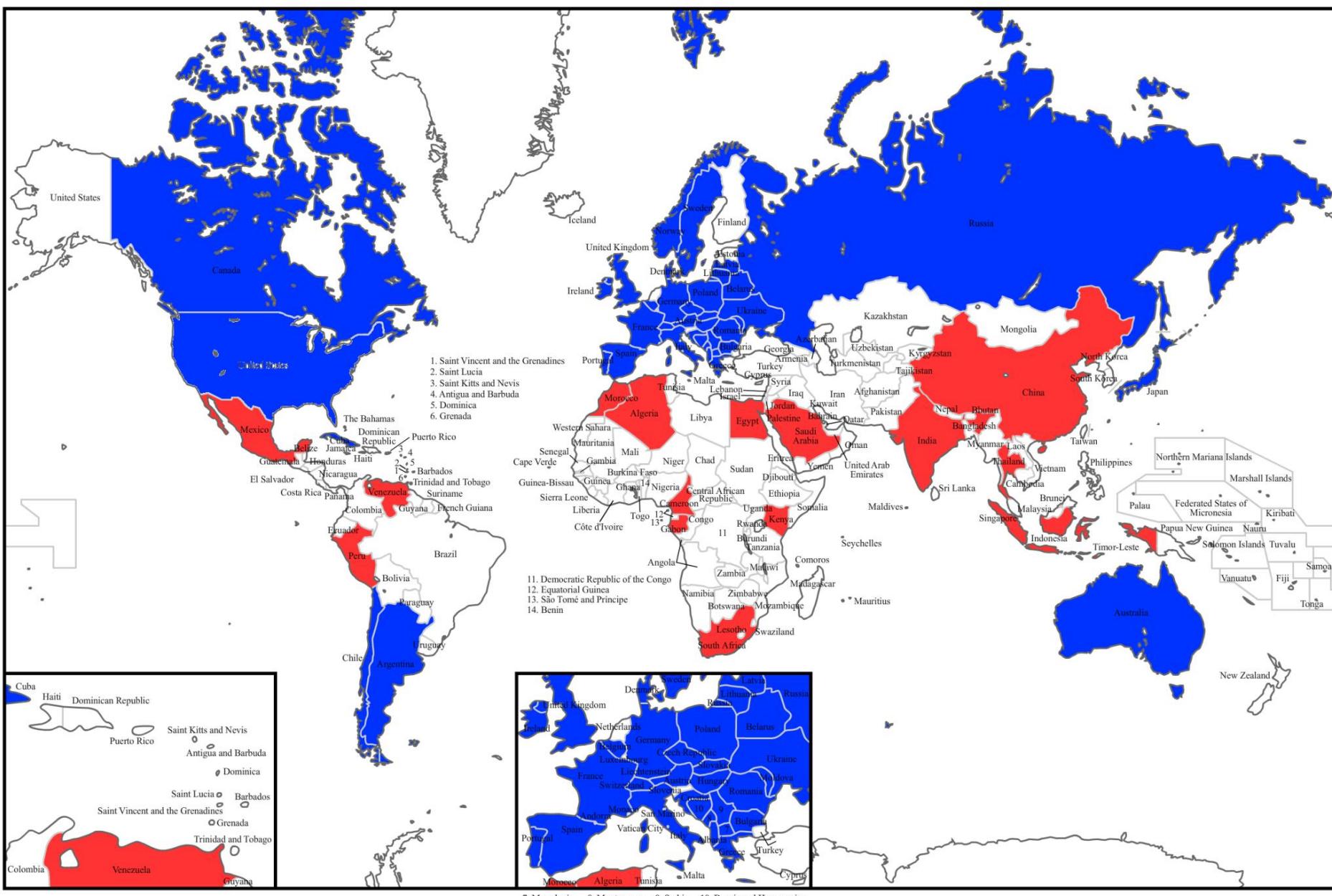
- K=8, S=[2 2 2 5 6 7 8 9] 'THA' 'IDO' 合成一組 其他不變
- 'CUB' 'GRE' 'HON' 'POL' 'POR' 'URS' 'YOU'
- 'CHN' 'IND'
- 'BRD' 'AUT' 'DAN' 'FRA' 'ITA' 'JAP' 'NOR' 'SUE' 'SUI'
- 'GBR' 'AUS' 'BEL' 'ESP' 'HOK' 'ISR,'
- 'IDO' 'THA' replaced by ""
- 'AFS' 'ALG' 'ARS' 'CAM' 'EGY' 'GAB' 'KEN' 'MAR'
- 'ARG' 'CHL' 'MEX' 'PER' 'VEN'
- 'CAN' 'USA'

- K=9, S=[2 2 2 2 5 6 6 7 9]
- ◎分出兩組其餘不變
- 'ARG' 'CHL' 'MEX' 'PER' 'VEN'  
0.0649 0.0257 0.0353 0.0397 0.0307  
mean : 0.039255
- 'CAN' 'USA'  
0.0298 0.0298  
mean : 0.029761
- 'BRD' 'AUT' 'DAN' 'FRA' 'ITA' 'JAP'  
'NOR' 'SUE' 'SUI'  
0.0317 0.0564 0.0154 0.0190 0.0539 0.0253  
0.0094 0.0318 0.0793  
mean : 0.035803
- 'CHN' 'IND'  
0.0629 0.0629  
mean : 0.062907
- 'AFS' 'ALG' 'ARS' 'CAM' 'EGY' 'MAR'  
0.0477 0.0357 0.0910 0.0614 0.0348 0.0881  
mean : 0.059803
- 'CUB' 'GRE' 'HON' 'POL' 'POR' 'URS'  
'YOU'  
0.0516 0.0234 0.0496 0.0213 0.1042 0.0709  
0.0138  
mean : 0.047842
- 'GBR' 'AUS' 'BEL' 'ESP' 'HOK' 'ISR'  
0.0284 0.0764 0.0434 0.0360 0.0921 0.0709  
mean : 0.057867
- 'GAB' 'KEN'  
0.0228 0.0233  
mean : 0.023041
- 'IDO' 'THA'  
0.0300 0.0295  
mean : 0.029746

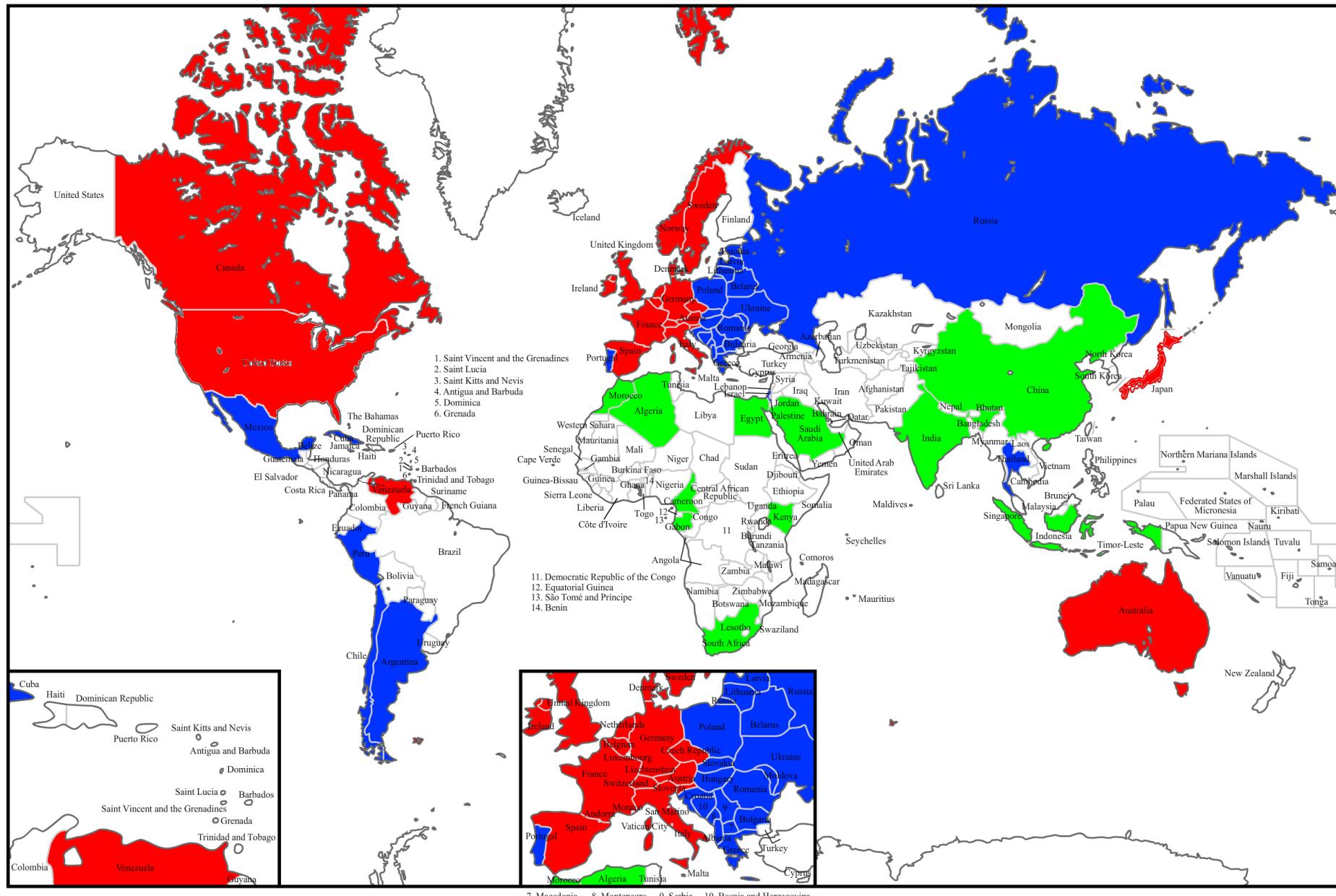
- K=10, S=[2 2 2 2 4 5 5 6 6 7]
- 'CHN' 'IND'
  - 0.0629 0.0629
  - mean : 0.062907
- 'AFS' 'ALG' 'ARS' 'CAM' '**EGY**'  
'MAR'
  - 0.0478 0.0357 0.0912 0.0611 0.0349  
0.0881
  - mean : 0.059802
- 'CAN' '**USA**'
  - 0.0298 0.0298
  - mean : 0.029761
- '**GAB**' 'KEN'
  - 0.0229 0.0231
  - mean : 0.023023
- 'AUS' 'ESP' 'HOK' '**ISR**'
  - 0.0689 0.0415 0.0947 0.0366
  - mean : 0.060422
- 'BRD' 'GBR' 'AUT' 'BEL' '**FRA**' 'ITA'
  - 0.0288 0.0332 0.0533 0.0414 0.0089 0.0166
  - mean : 0.030392
- 'ARG' '**CHL**' 'MEX' 'PER' 'VEN'
  - 0.0652 0.0258 0.0351 0.0394 0.0307
  - mean : 0.039253
- '**DAN**' 'JAP' '**NOR**' 'SUE' 'SUI'
  - 0.0216 0.0111 0.0068 0.0169 0.0483
  - mean : 0.020935
- 'CUB' 'GRE' 'HON' 'POL' 'POR' '**URS**'  
'YOU'
  - 0.0517 0.0234 0.0496 0.0214 0.1040 0.0710  
0.0137
  - mean : 0.047841
- '**IDO**' '**THA**'
  - 0.0298 0.0297
  - mean : 0.029741



K=2



# K=3



K=10

