Data Visualisation Techniques for Public Dissemination

MCRHDIT-November—2024
Training Program

Communicate

Visualise

Narrate

Socialise

Humanise

Personalise

Utilise

shed out with quotes, details and backgrou
itlined above. In broadcast, data stories often lead on a case study t
ıe numbers being reported.

Data visualisation tends to use charts, graphs and maps. Choo
ype is important – as different charts are designed for different

Data Journalism: communicating data

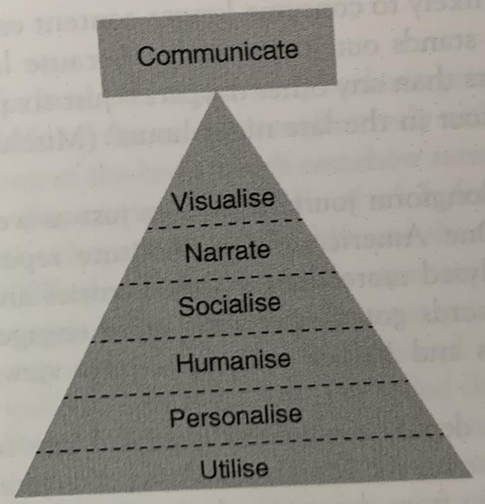
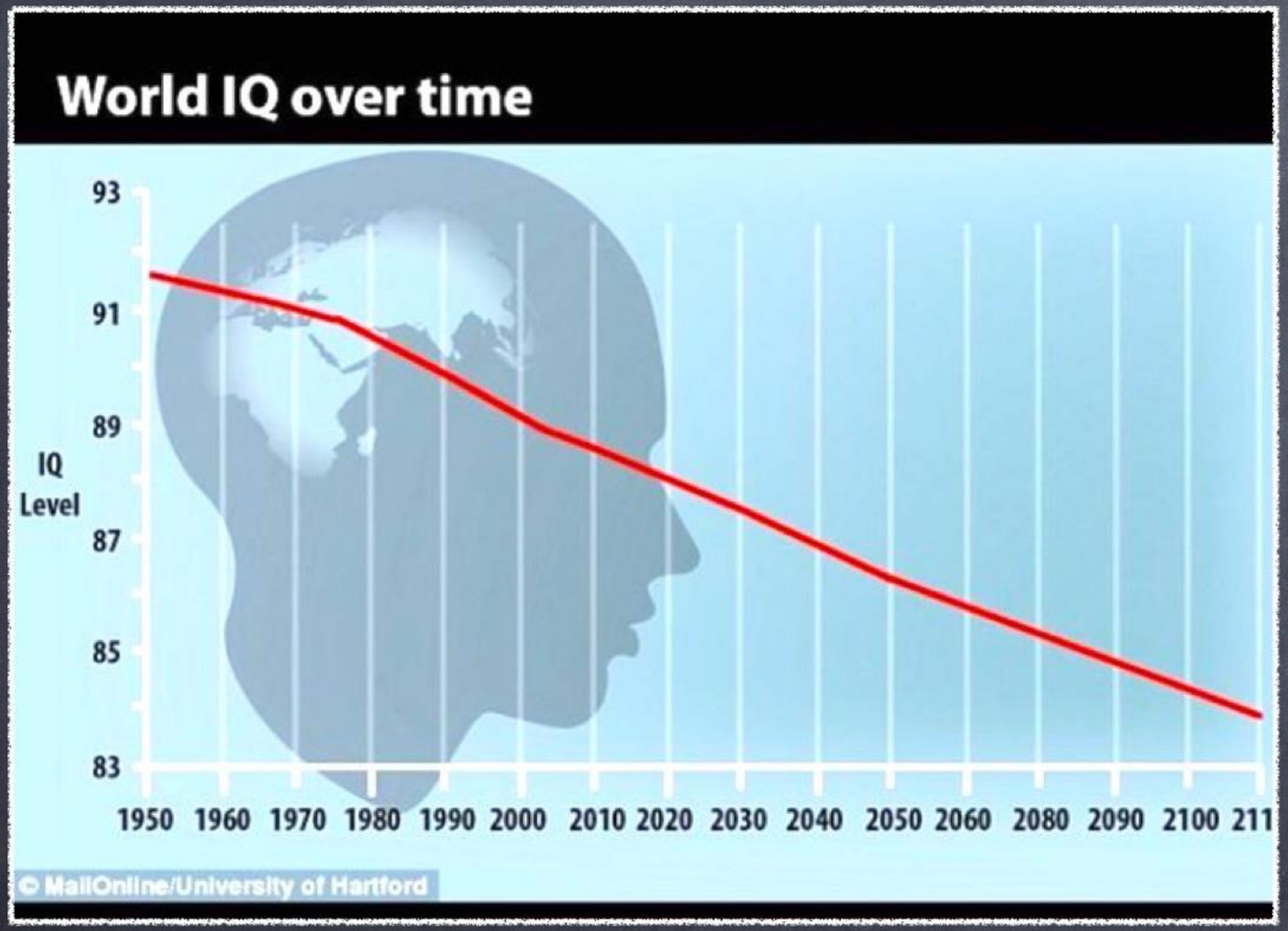
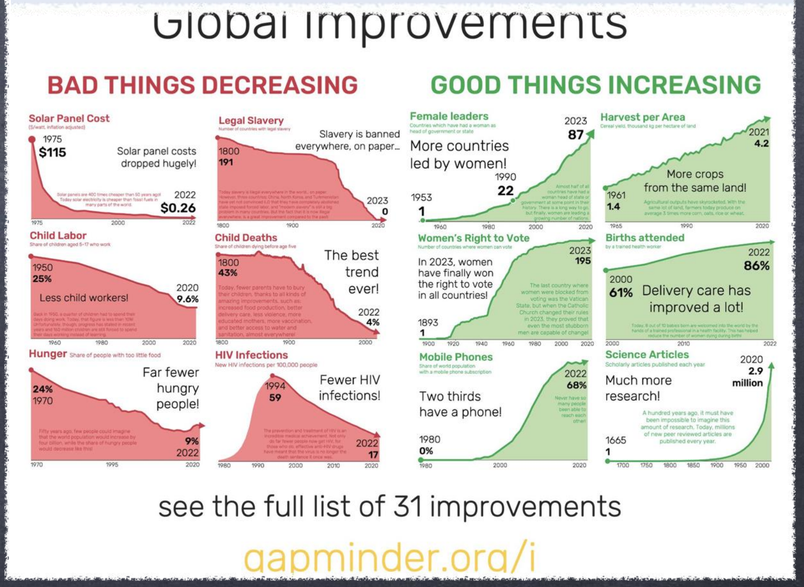


Figure 5.2 Six ways of communicating data journalism
By Paul Bradshaw, 2011

Visualise


World IQ over time
IQ Level
93
91
89
87
85
83
1950 1960 1970 1980 1990 2000 2010 2020 2030 2040 2050 2060 2080 2090 2100 211
© MailOnline/University of Hartford

Map
Also Show
2014
2015
2016
2017


Global Improvements
BAD THINGS DECREASING
GOOD THINGS INCREASING
Solar Panel Cost
1975 $115
Solar panel costs dropped hugely!
2022 $0.26
Legal Slavery
1800 191
Slavery is banned everywhere, on paper...
2023 0
Female leaders
More countries led by women!
1953 1
1990 22
2023 87
Harvest per Area
1961 1.4
More crops from the same land!
2021 4.2
Child Labor
1950 25%
Less child workers!
2020 9.6%
Child Deaths
1800 43%
The best trend ever!
2022 4%
Women's Right to Vote
In 2023, women have finally won the right to vote in all countries!
1893 1
2023 195
Births attended
2000 61%
Delivery care has improved a lot!
2022 86%
Hunger Share of people with too little food
24% 1970
Far fewer hungry people!
9% 2022
HIV Infections
New HIV infections per 100,000 people
1994 59
Fewer HIV infections!
2022 17
Mobile Phones
Two thirds have a phone!
1980 0%
2022 68%
Science Articles
Much more research!
1665 1
2020 2.9 million
see the full list of 31 improvements
gapminder.org/i

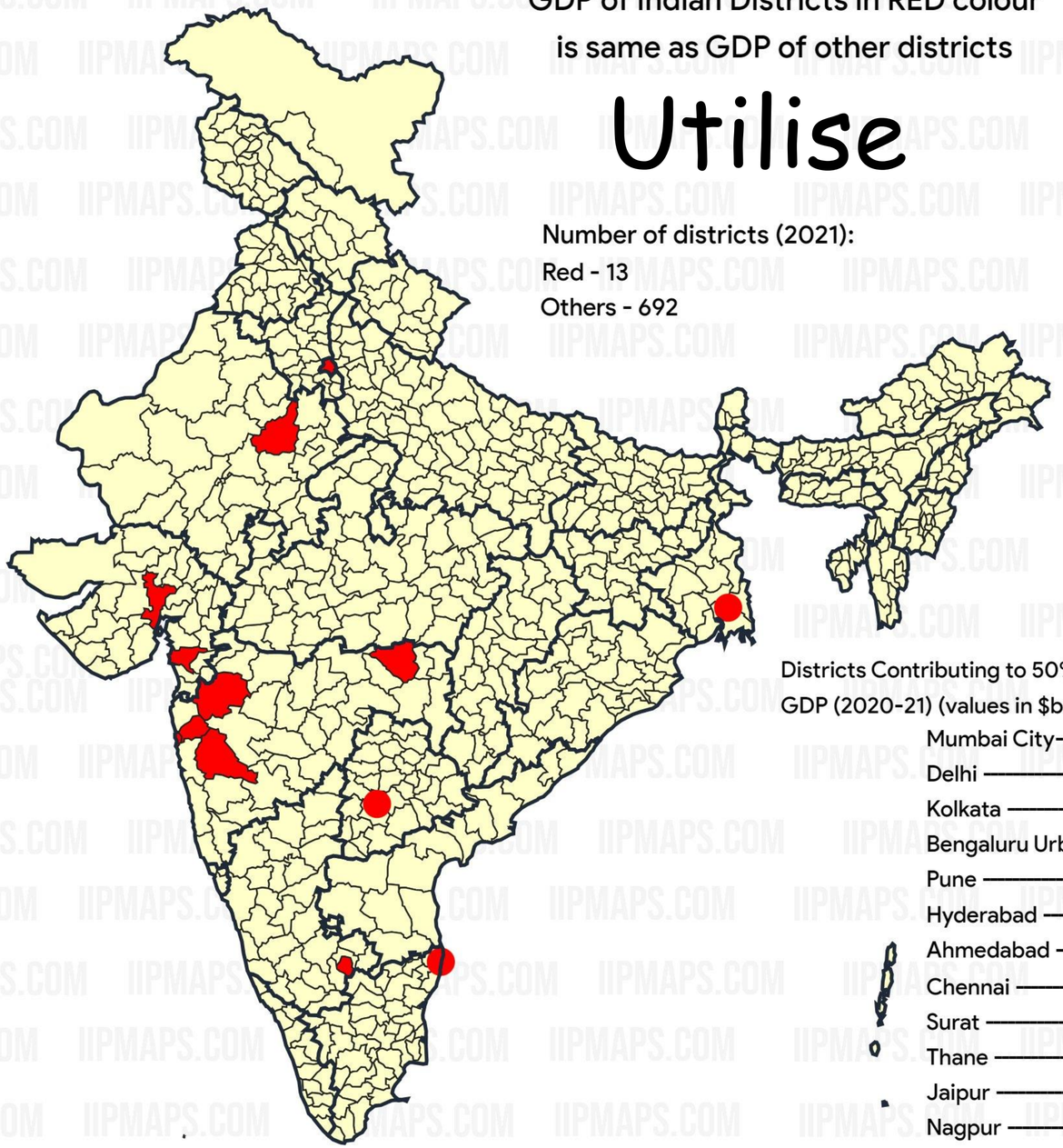
most-common-country-immigrants-no-mexico.jpg 1,008×65...
2.bp.blogspot.com

Socialise

GDP of Indian Districts in RED colour
is same as GDP of other districts

Utilise

Number of districts (2021):
Red - 13
Others - 692



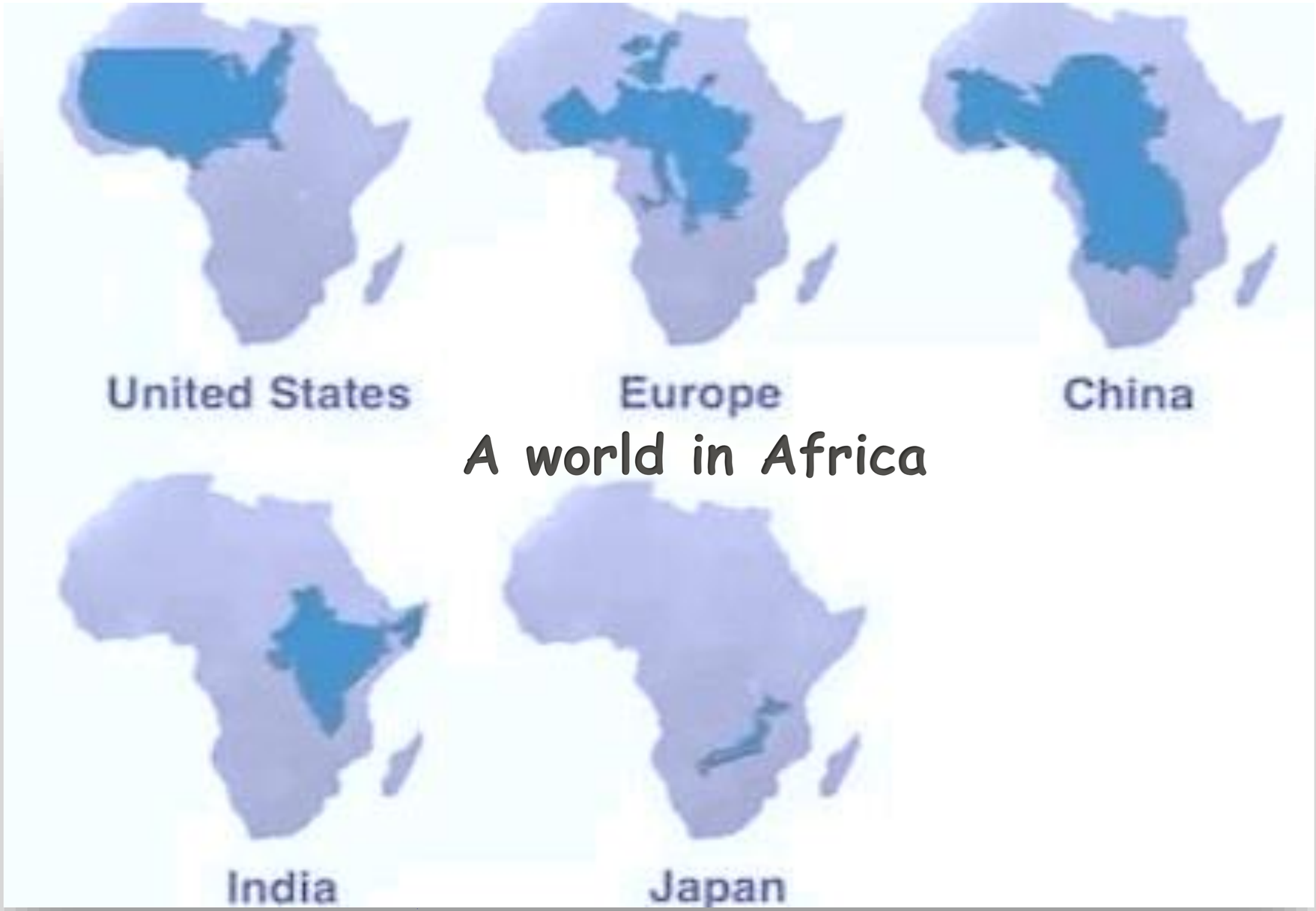
Districts Contributing to 50% of India's GDP (2020-21) (values in $bn)

Mumbai City	273
Delhi	262
Kolkata	151
Bengaluru Urban	120
Pune	117
Hyderabad	115
Ahmedabad	114
Chennai	109
Surat	80
Thane	80
Jaipur	66
Nagpur	62
Nashik	56

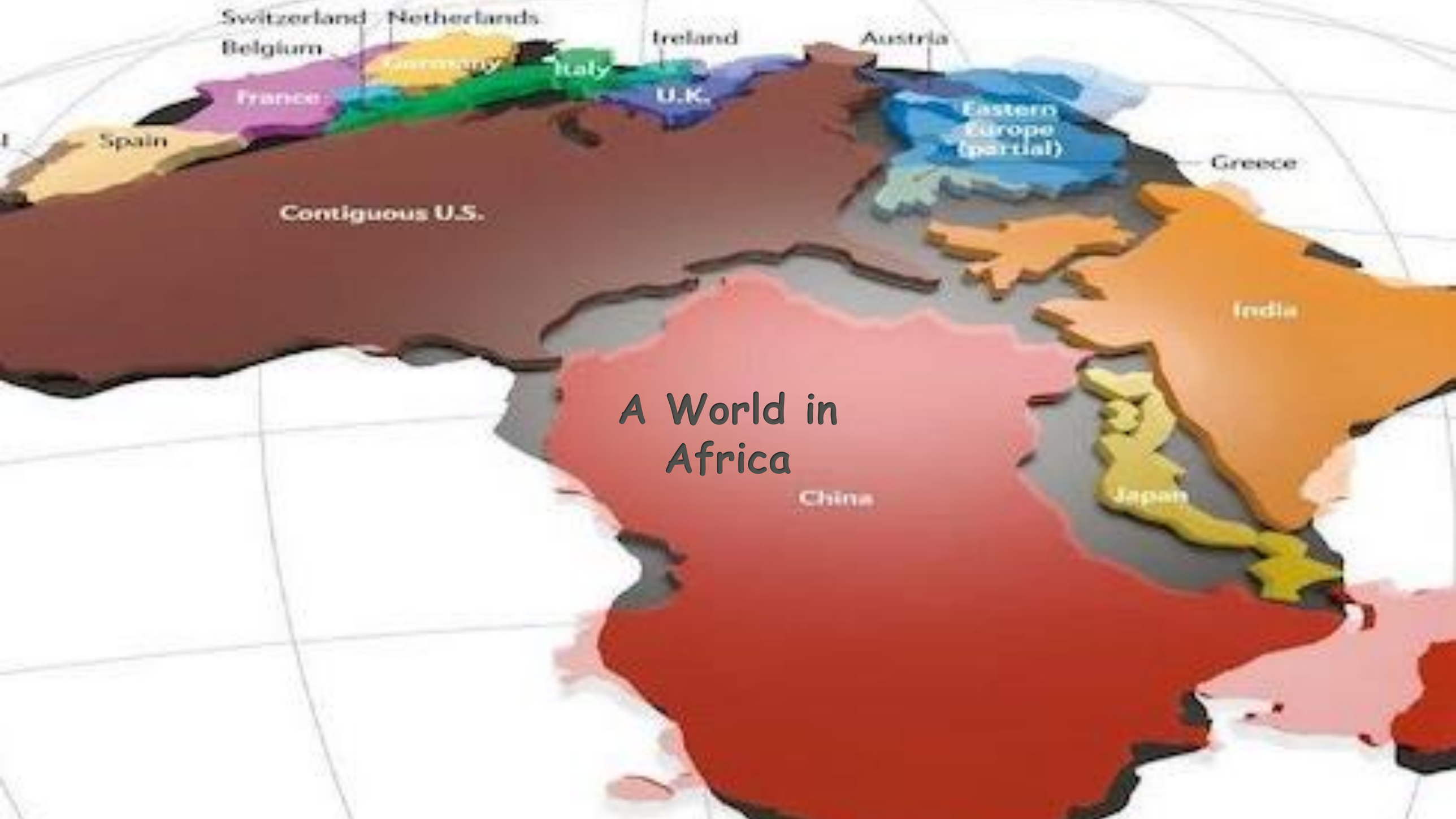
Source: Ministry of Statistics and Programme Implementation,
District Domestic Product Estimates 2020-21

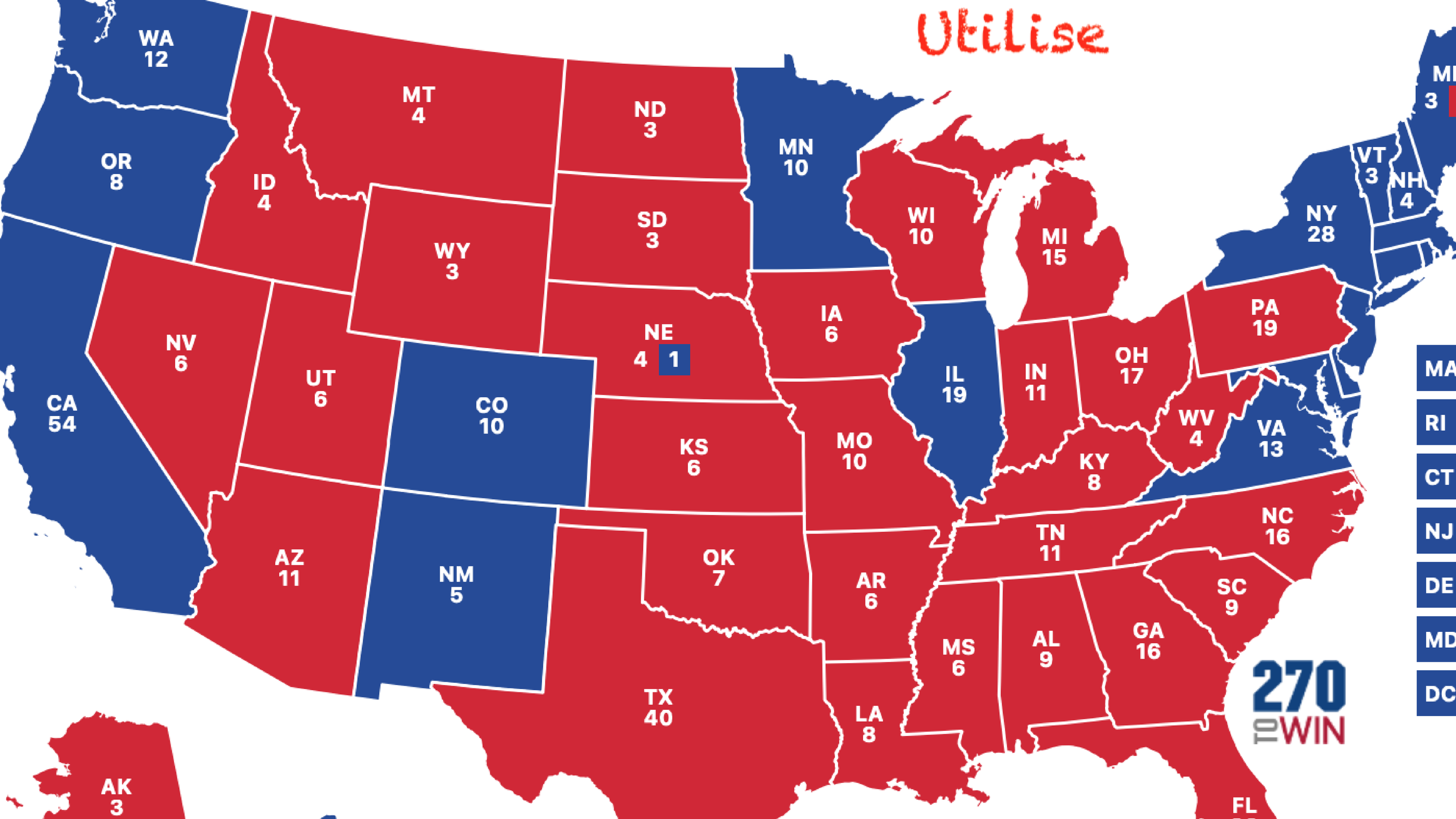
Created with www.iipmaps.com

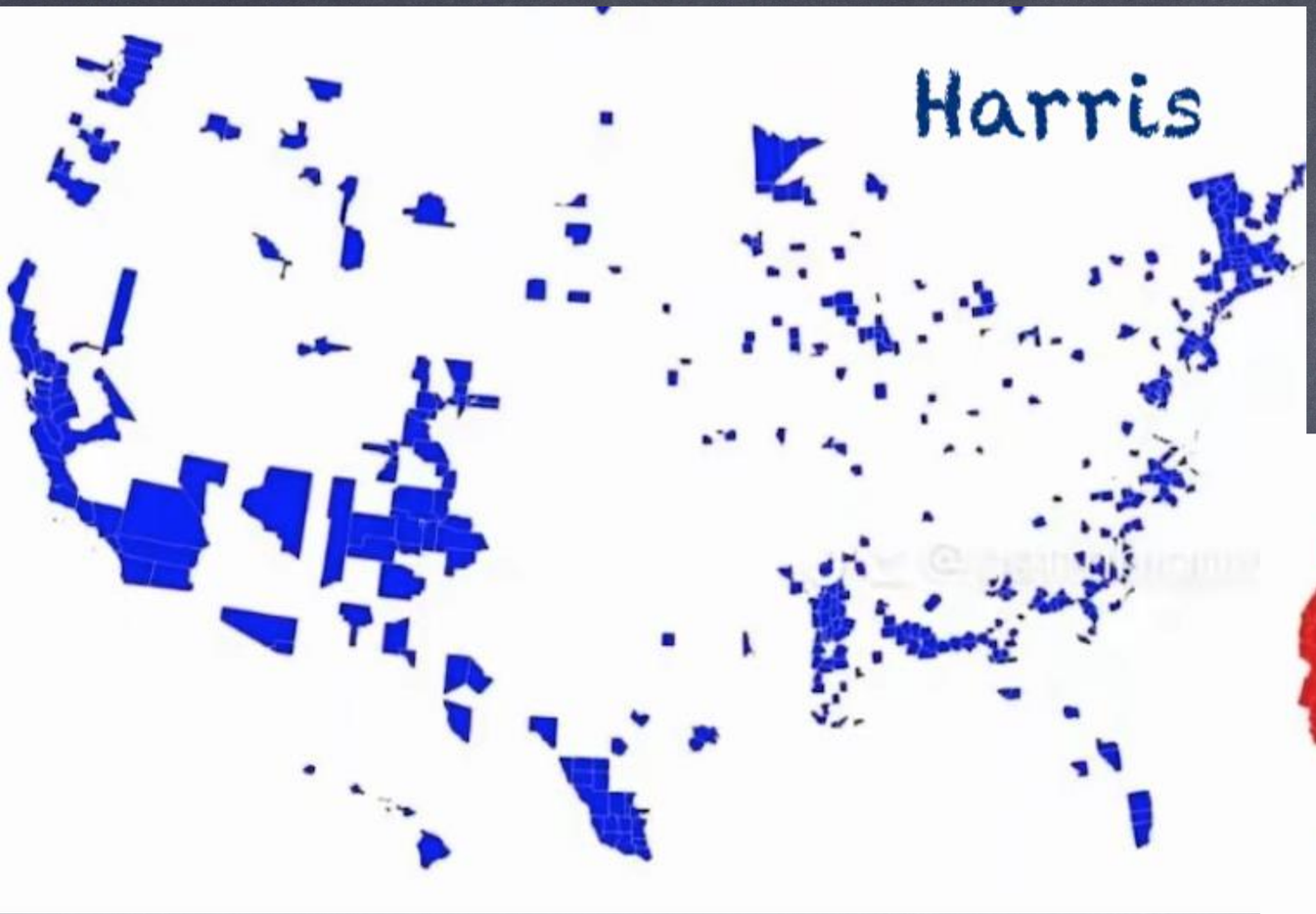
IIPMAPS.COM



A world in Africa


Switzerland
Netherlands
Belgium
Ireland
Austria
France
Italy
U.K.
Eastern Europe (partial)
Spain
Greece
Contiguous U.S.
India
A World in Africa
China
Japan


Utilise
WA 12
OR 8
CA 54
ID 4
NV 6
MT 4
WY 3
UT 6
AZ 11
CO 10
NM 5
ND 3
SD 3
NE 4
1
KS 6
OK 7
TX 40
MN 10
IA 6
MO 10
AR 6
LA 8
WI 10
IL 19
MI 15
IN 11
OH 17
KY 8
TN 11
MS 6
AL 9
GA 16
FL
SC 9
NC 16
WV 4
VA 13
PA 19
NY 28
VT 3
NH 4
ME 3
AK 3
MA
RI
CT
NJ
DE
MD
DC
270 TO WIN

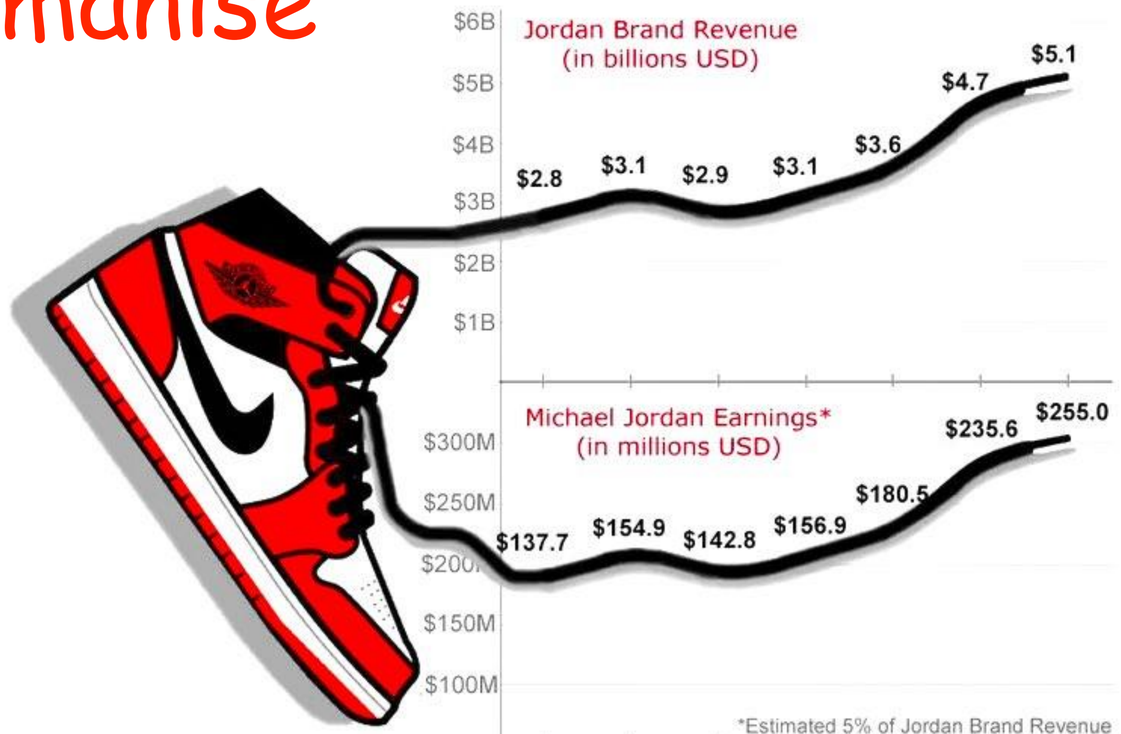

Harris

Trump
Texte

THE BUSINESS OF AIR

In 2022, Nike's Jordan Brand earned $5.1 billion, with Michael Jordan entitled to $256 million, nearly 3x his NBA career earnings

Humanise



Data Source: Nike, HypeBeast, Front Office Sports

metalytiq

Personalise

World's Largest

ARMS IMPORTERS

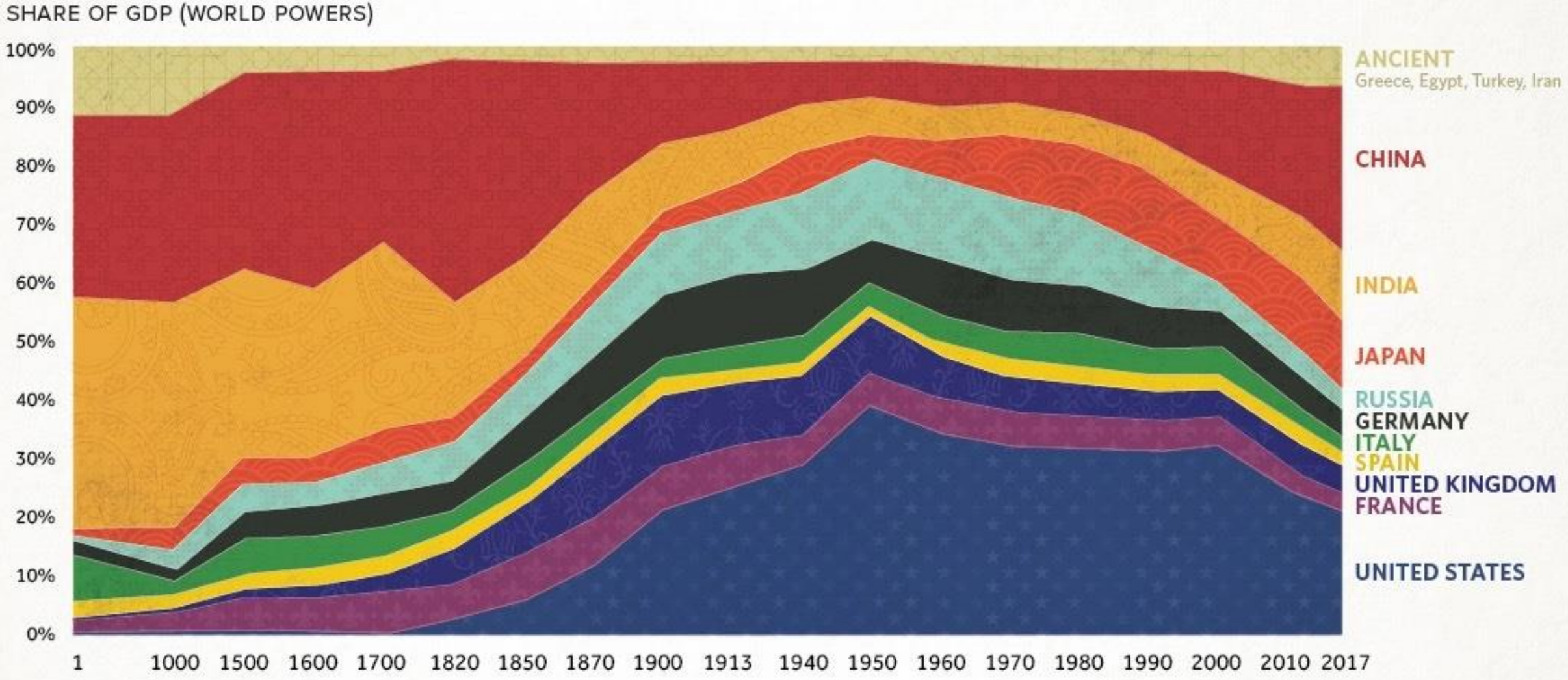
(For the period 2018-2022)

Figures rounded. Source: SIPRI Arms Transfer Database (March 2023)

2,000 YEARS OF ECONOMIC HISTORY IN ONE CHART

All major powers compared by GDP from the year 1 AD

Narrate



/GoNewsFeed
@GoNews24x7

‘UNITED COLOURS OF INDIA’
BY
PER CAPITA INCOME

20
26
23
23
30
28
31
33
31
34
34
33
32
35
36
32
37

20
Kiel
19
Rostock
Hamburg
22
22
25
Hannover
24
Berlin
25
24
Köln
23
24
Dresden
Frankfurt
28
25
27
28
Stuttgart
26
32
München
28
21.06.2022

2006
2007
2009
2010
2012
2023

"Data, like beauty, lies in the eyes of the beholder"

Anonymous