



ISTITUTO LIBERALE

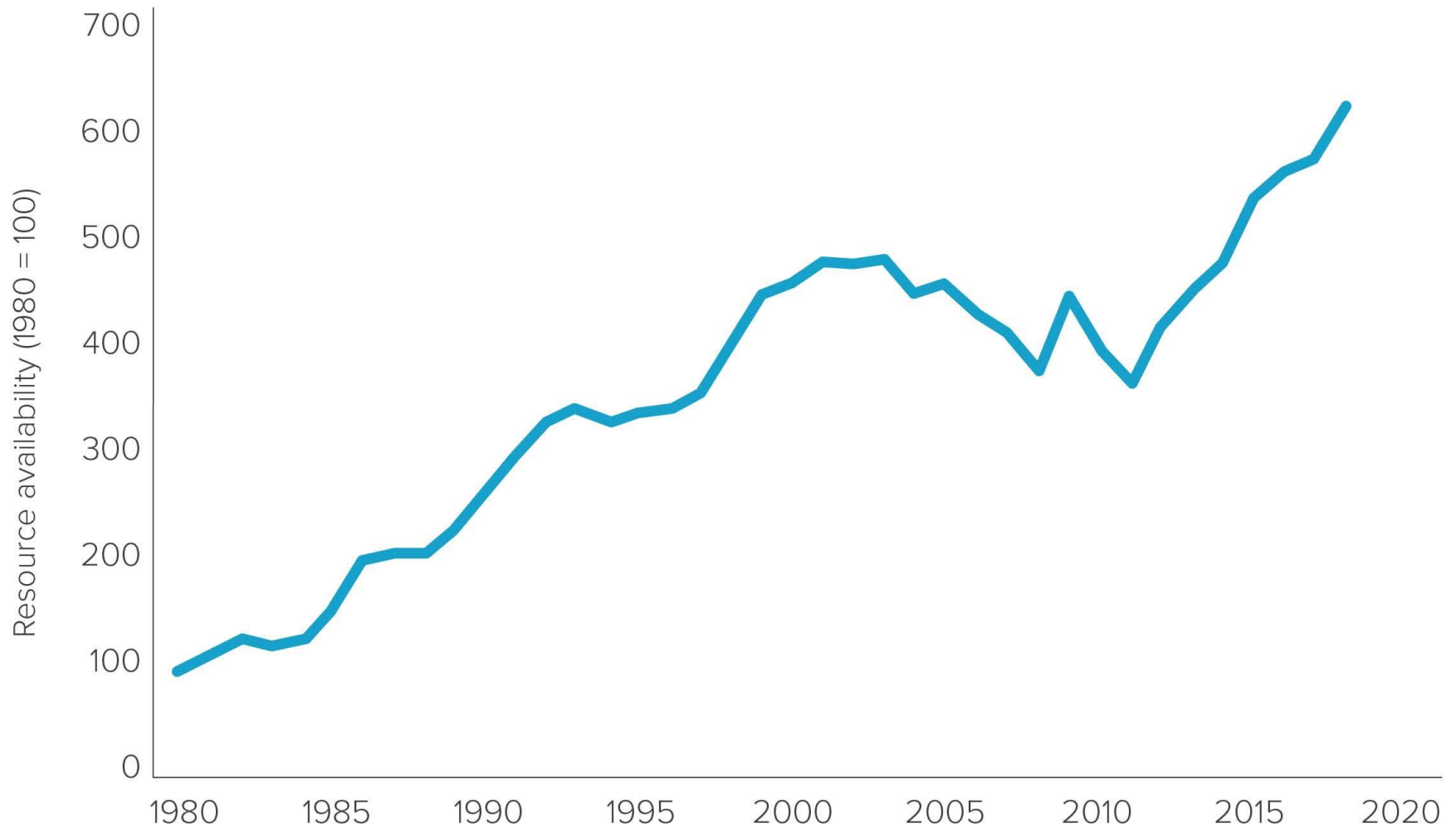
Il miglioramento delle condizioni di
vita dell'umanità e l'importanza del
consumo energetico procapite

Dr. oec. Paolo Pamini

Istituto Liberale – 23 settembre 2019 – Lugano

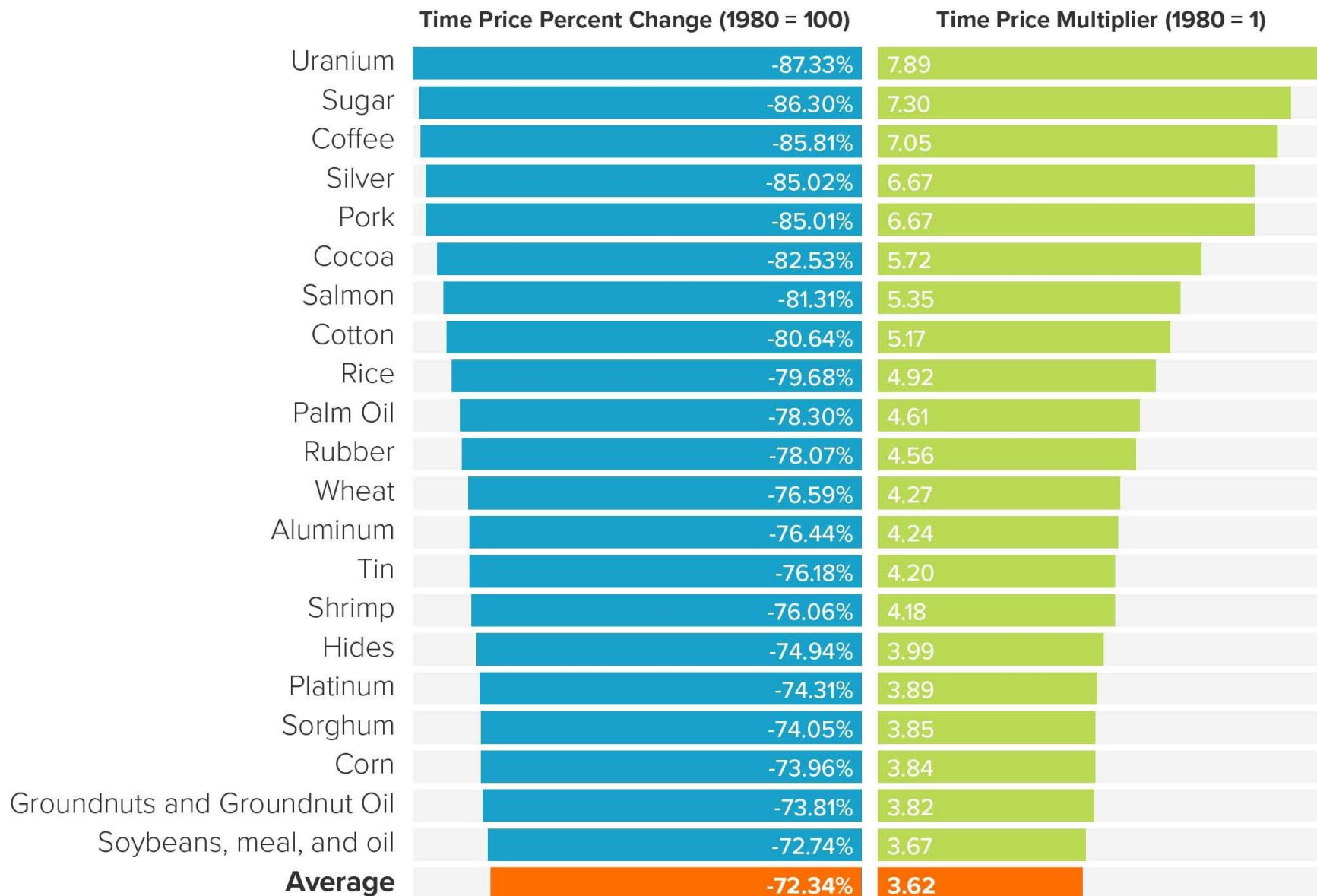
Clima: il dibattito che non c'è

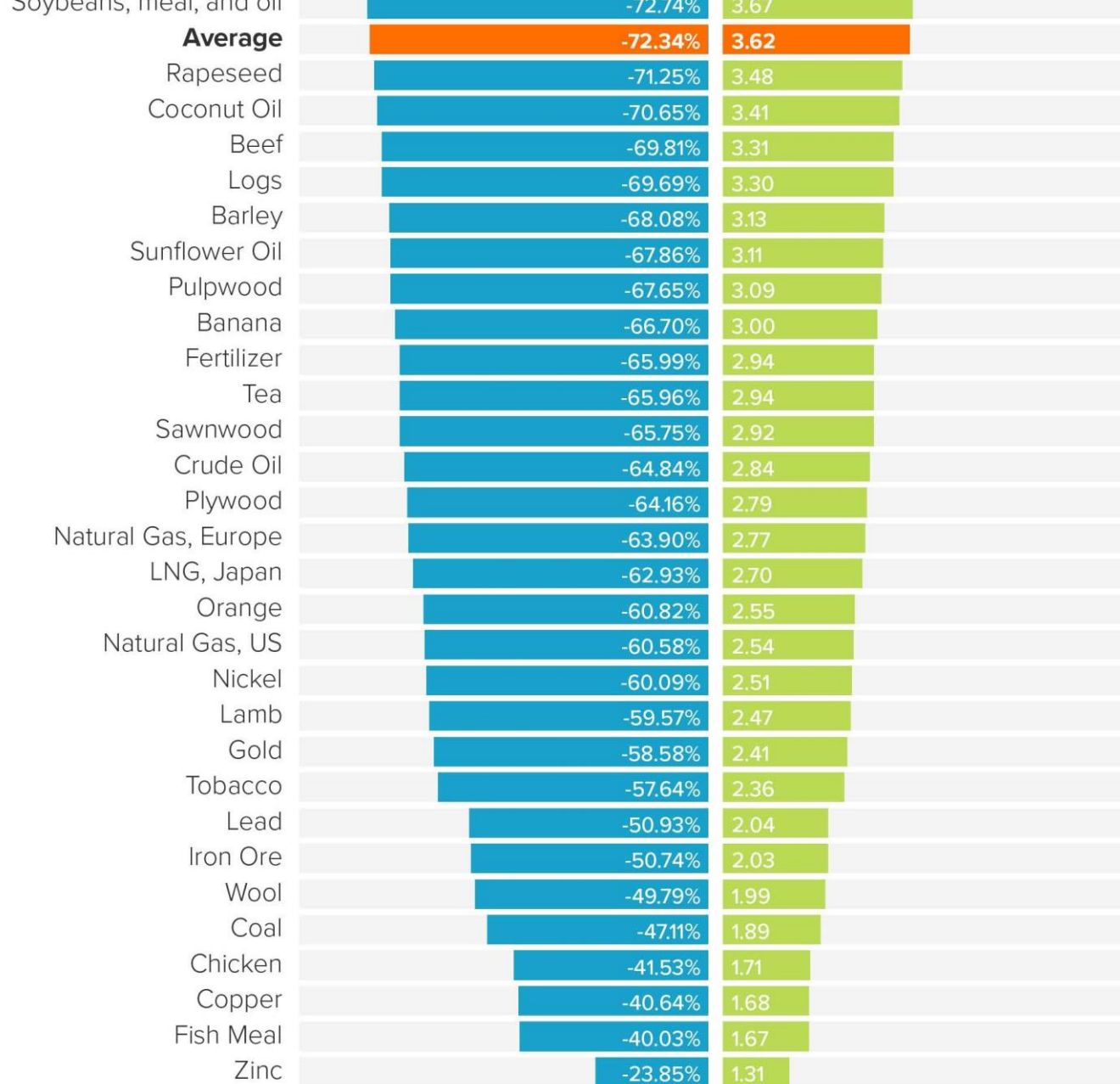
SIMON ABUNDANCE INDEX[®] (1980–2018)



SIMON ABUNDANCE INDEX[®] (1980–2018)

50 basic commodities





"One of the most important books I've ever read—an indispensable guide to thinking clearly about the world." —Bill Gates

FACT

New York Times
Bestseller

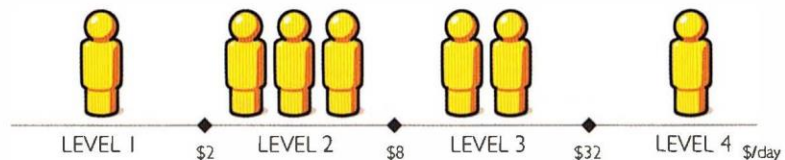
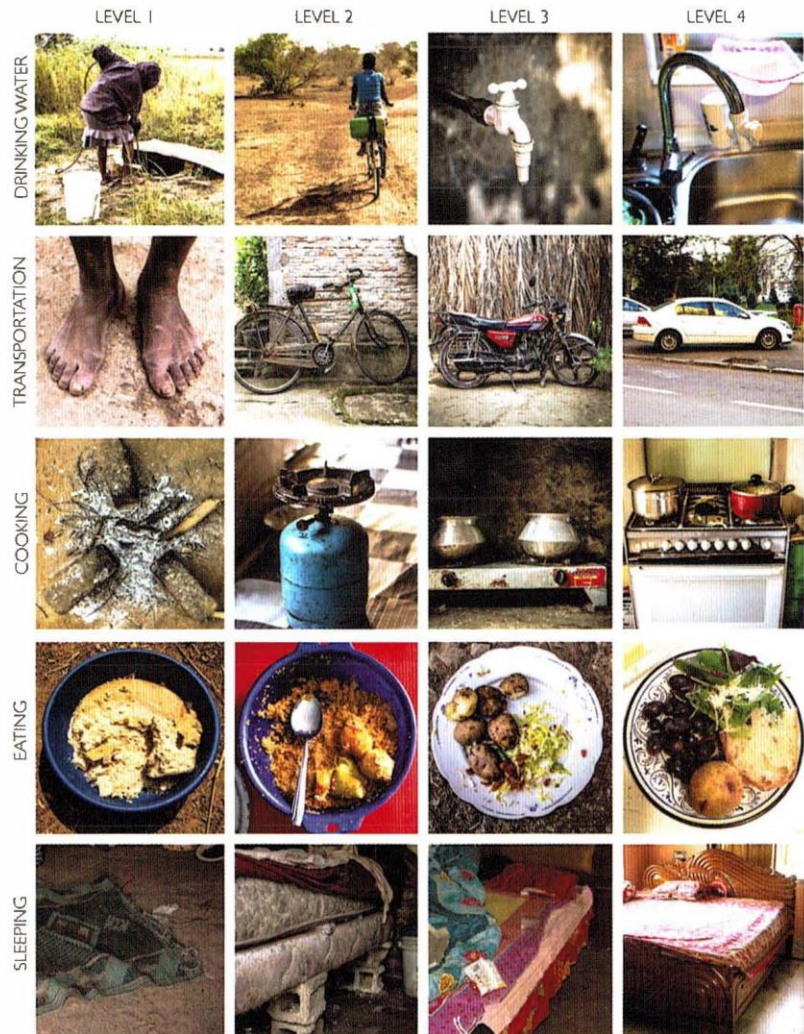
FUL

Ten Reasons
We're Wrong About
the World—and Why
Things Are Better
Than You Think

NESS

Hans Rosling with Ola Rosling and
Anna Rosling Rönnlund

LIFE ON THE FOUR INCOME LEVELS

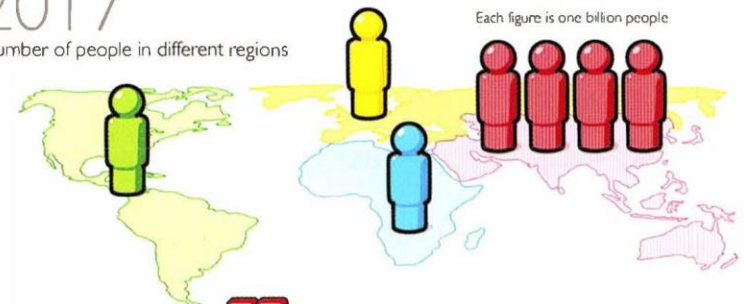


Sources: Gaillardet [3] & [30] & Street

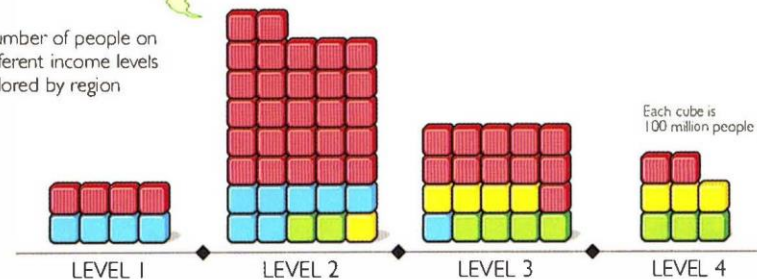
PEOPLE BY REGION AND INCOME

2017

Number of people in different regions

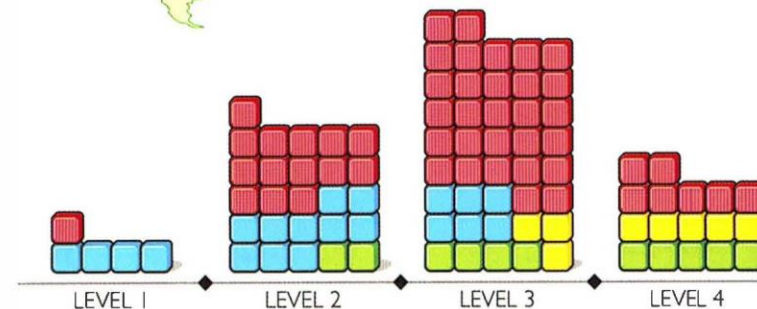
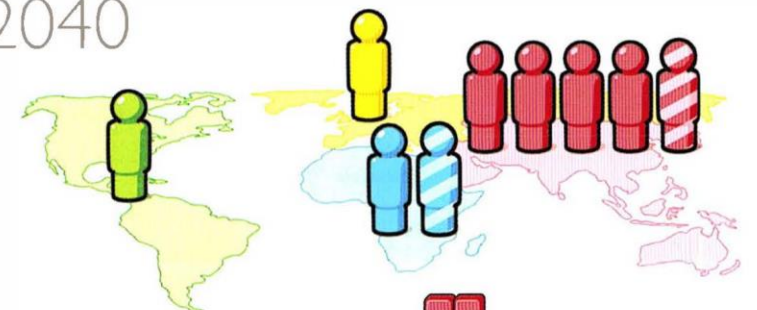


Number of people on different income levels colored by region



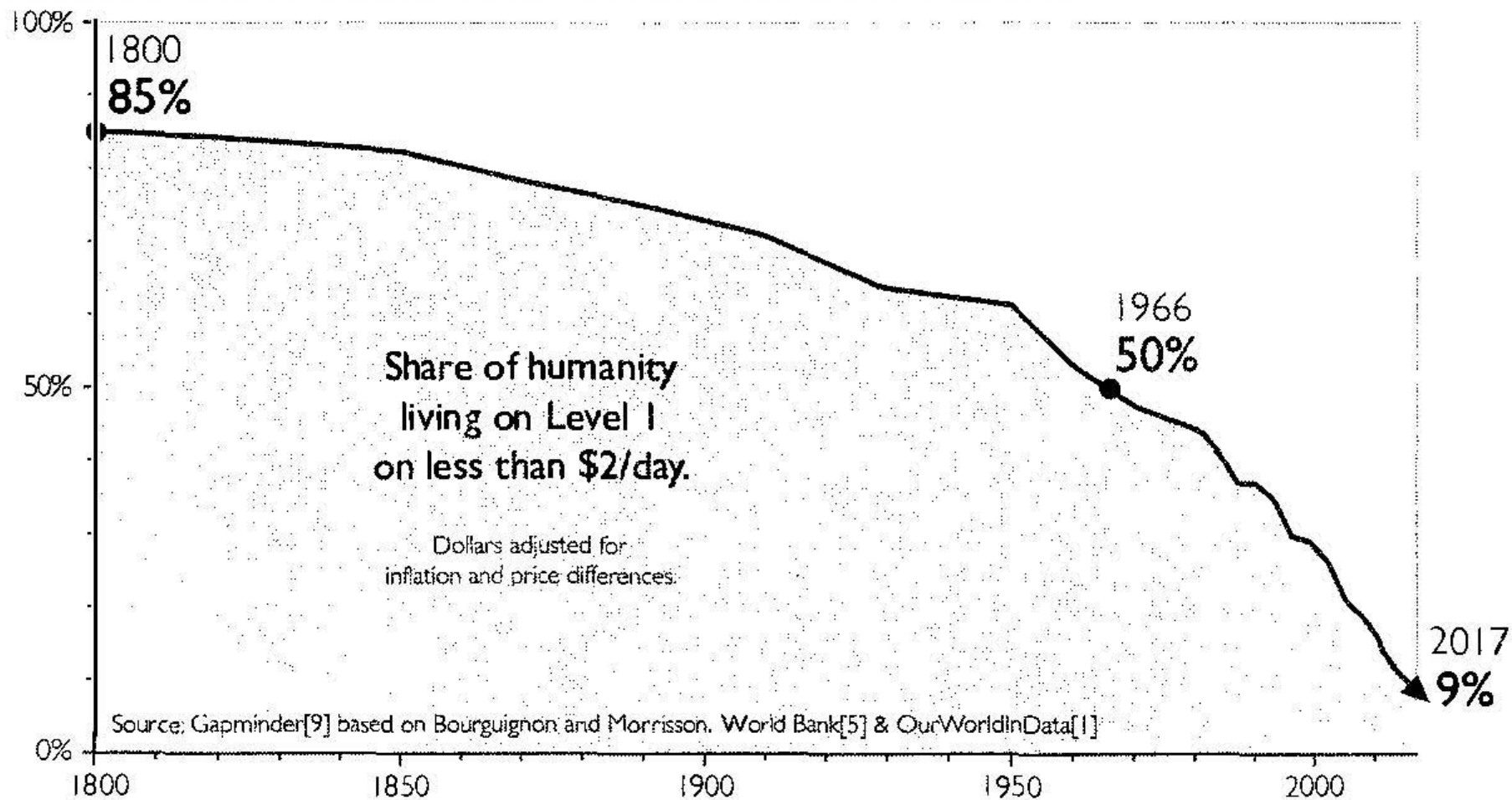
Assuming that current trends continue, this is what the world might look like in 2040.

2040

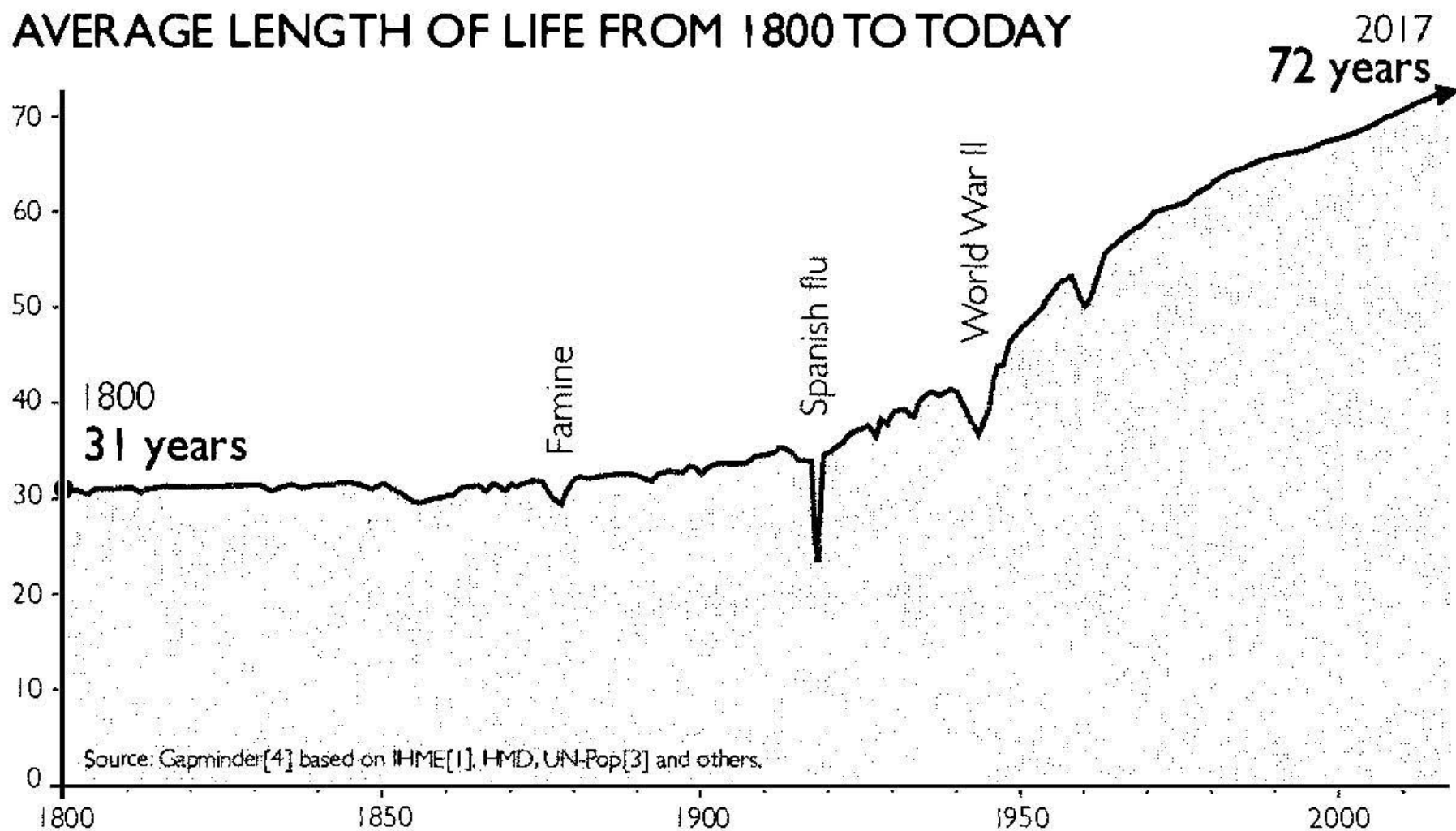


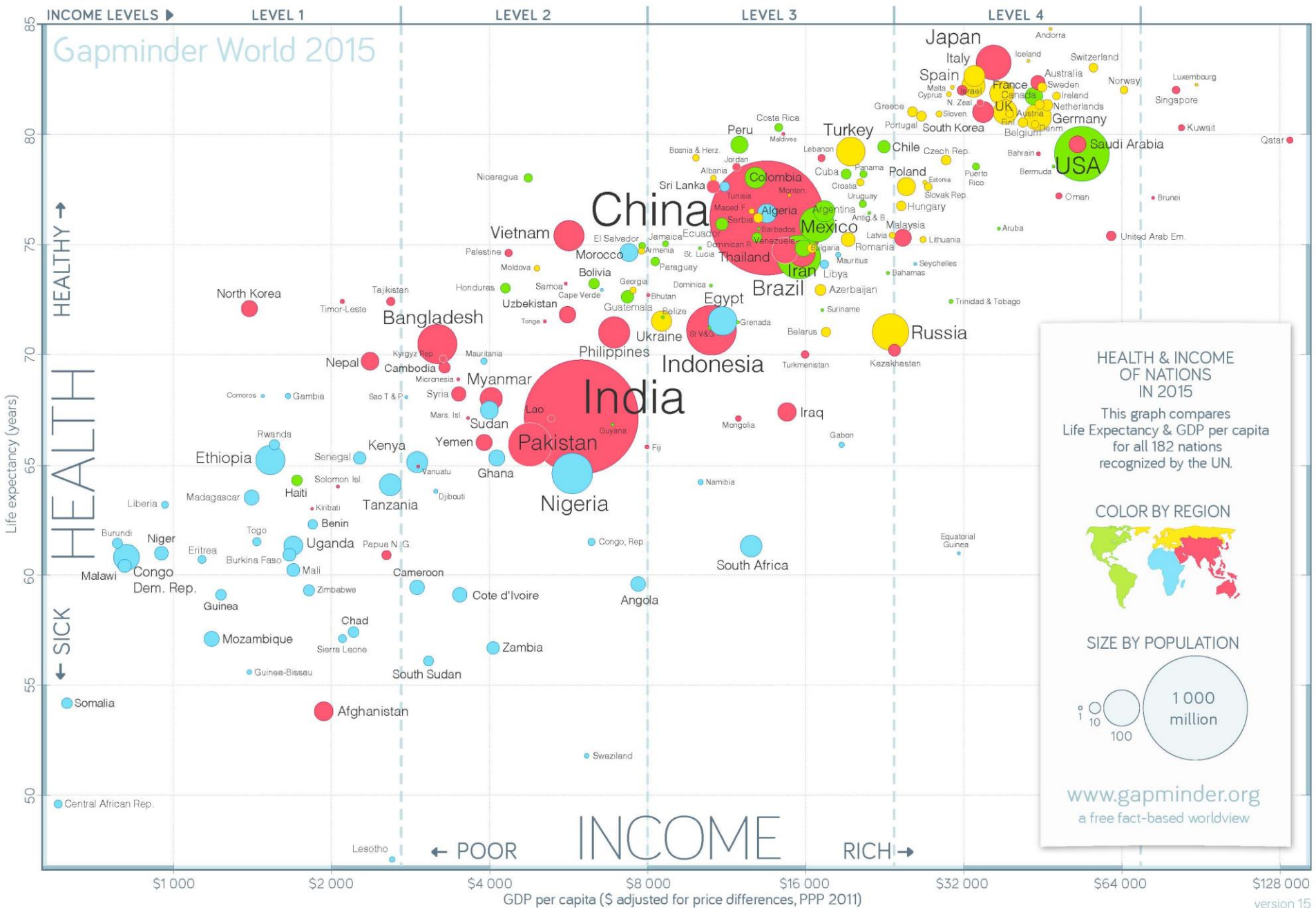
Sources: Gaillardet [3] & [30] based on Poulart, UNEP Pop [1], IM [1] & van Zanden [1]

EXTREME POVERTY RATE FROM 1800 TO TODAY

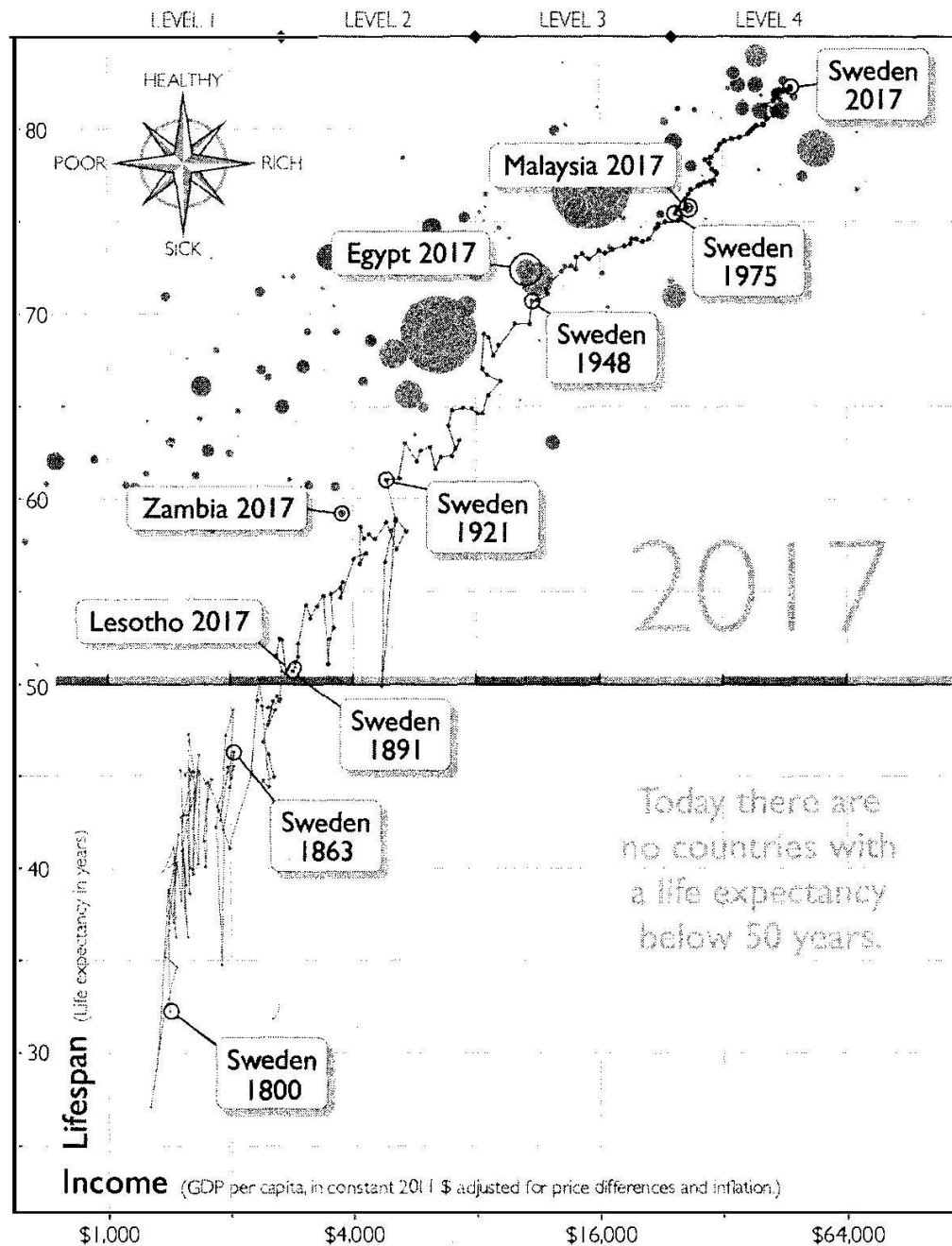


AVERAGE LENGTH OF LIFE FROM 1800 TO TODAY





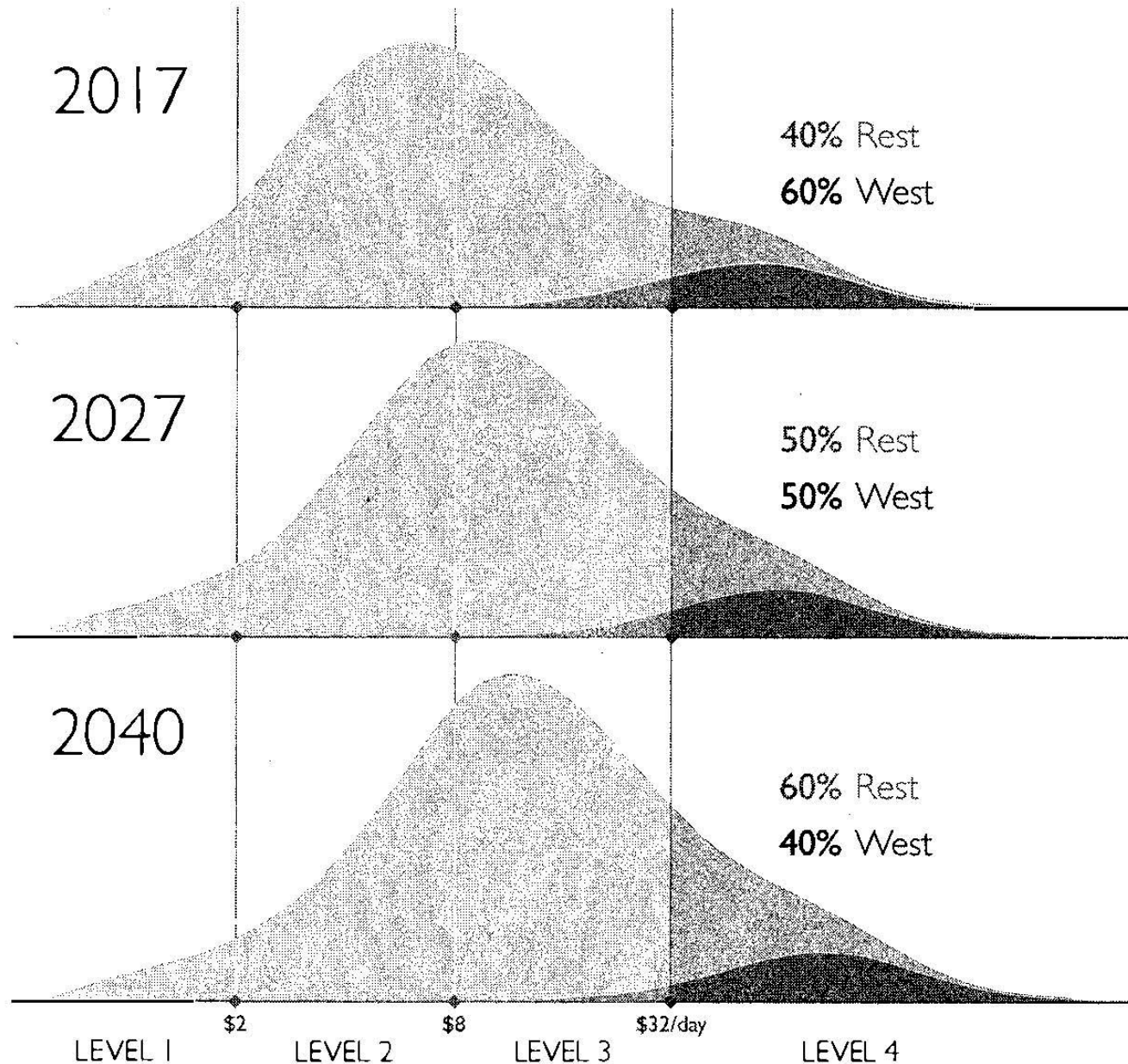
SWEDEN'S HEALTH AND WEALTH FROM 1800 TO TODAY



Sources: World Bank[1], IMF[1], IHME[1], UN-Pop[1] & Gapminder[1,2,3,4] based on Maddison[1,2]

SOON, MOST PEOPLE ON LEVEL 4 WILL BE NON-WESTERNERS

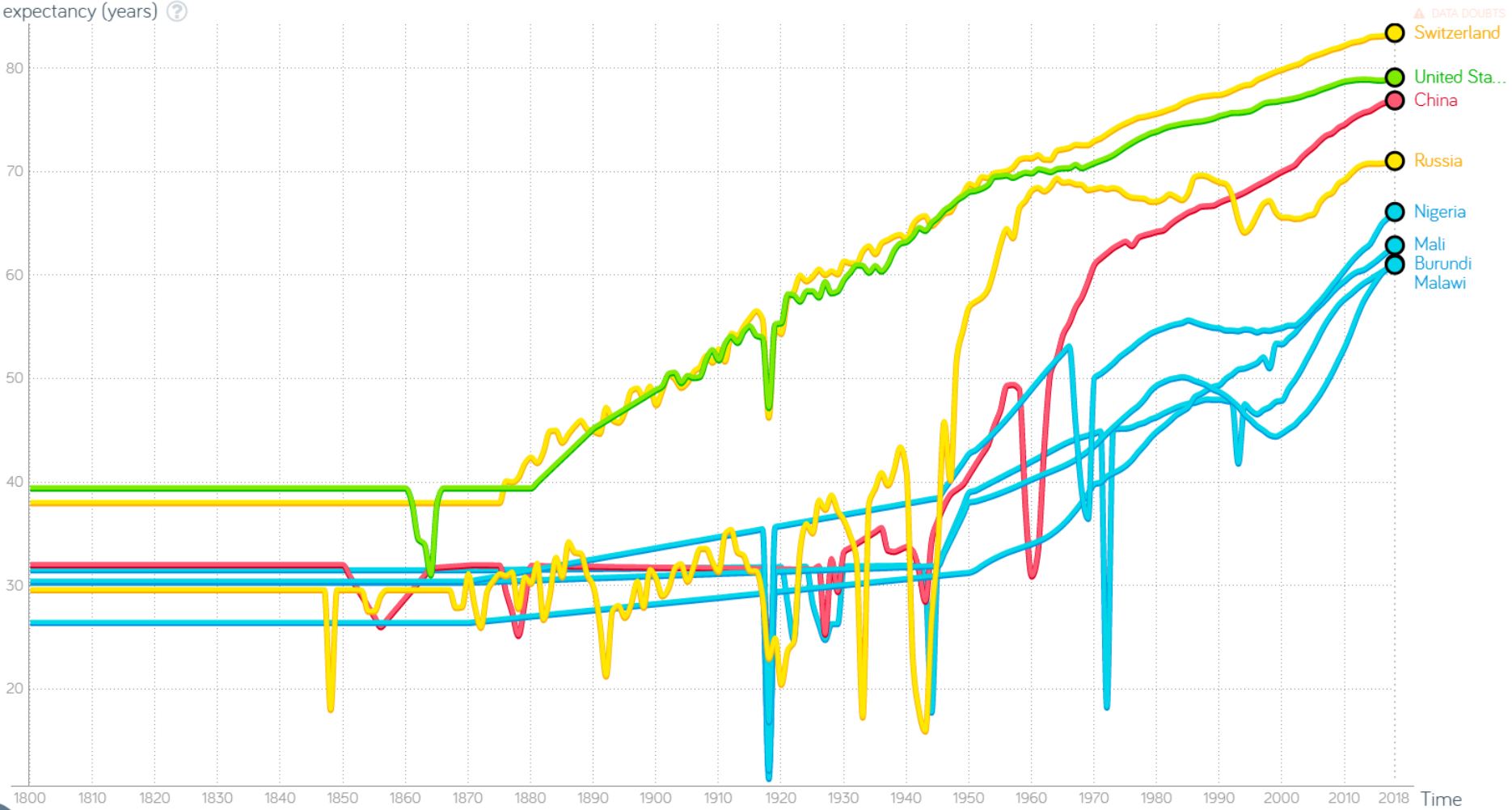
The world population divided into West and Rest, distributed over incomes.



Incomes in constant 2011 \$/day, adjusted for prices and inflation

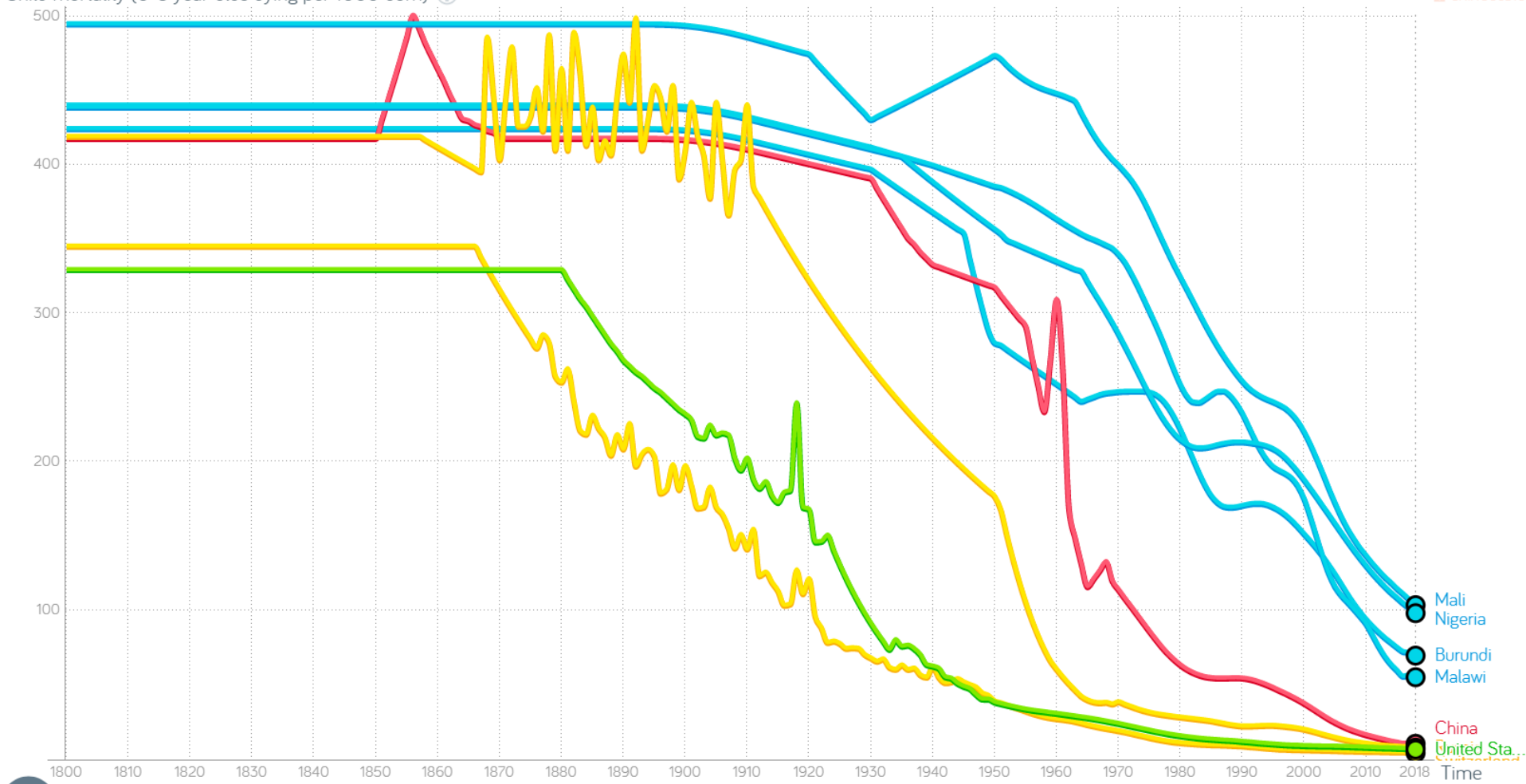
Source: Gapminder[8] based on PovcalNet, IMF[1] & van Zanden[1]

Life expectancy (years) ?

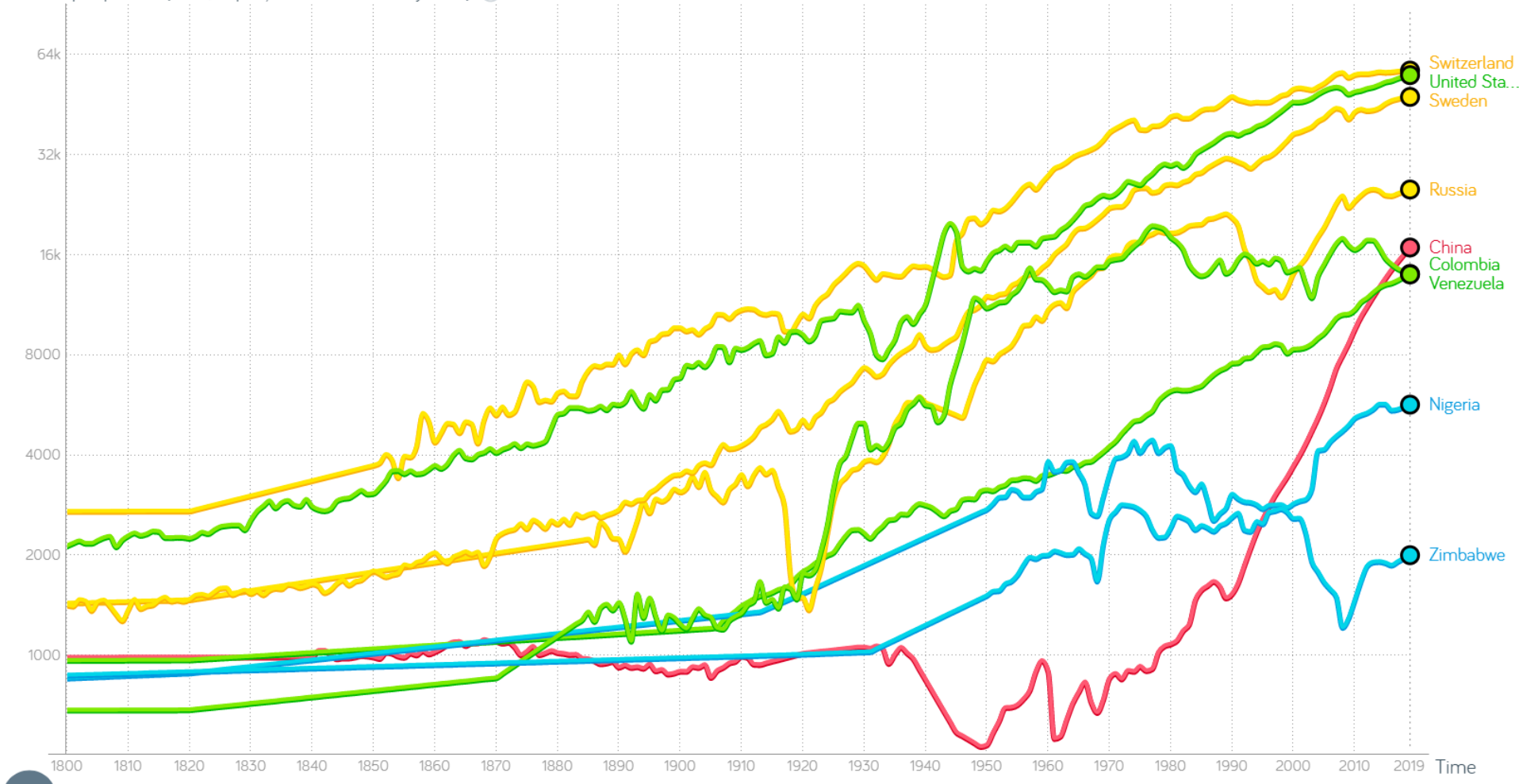


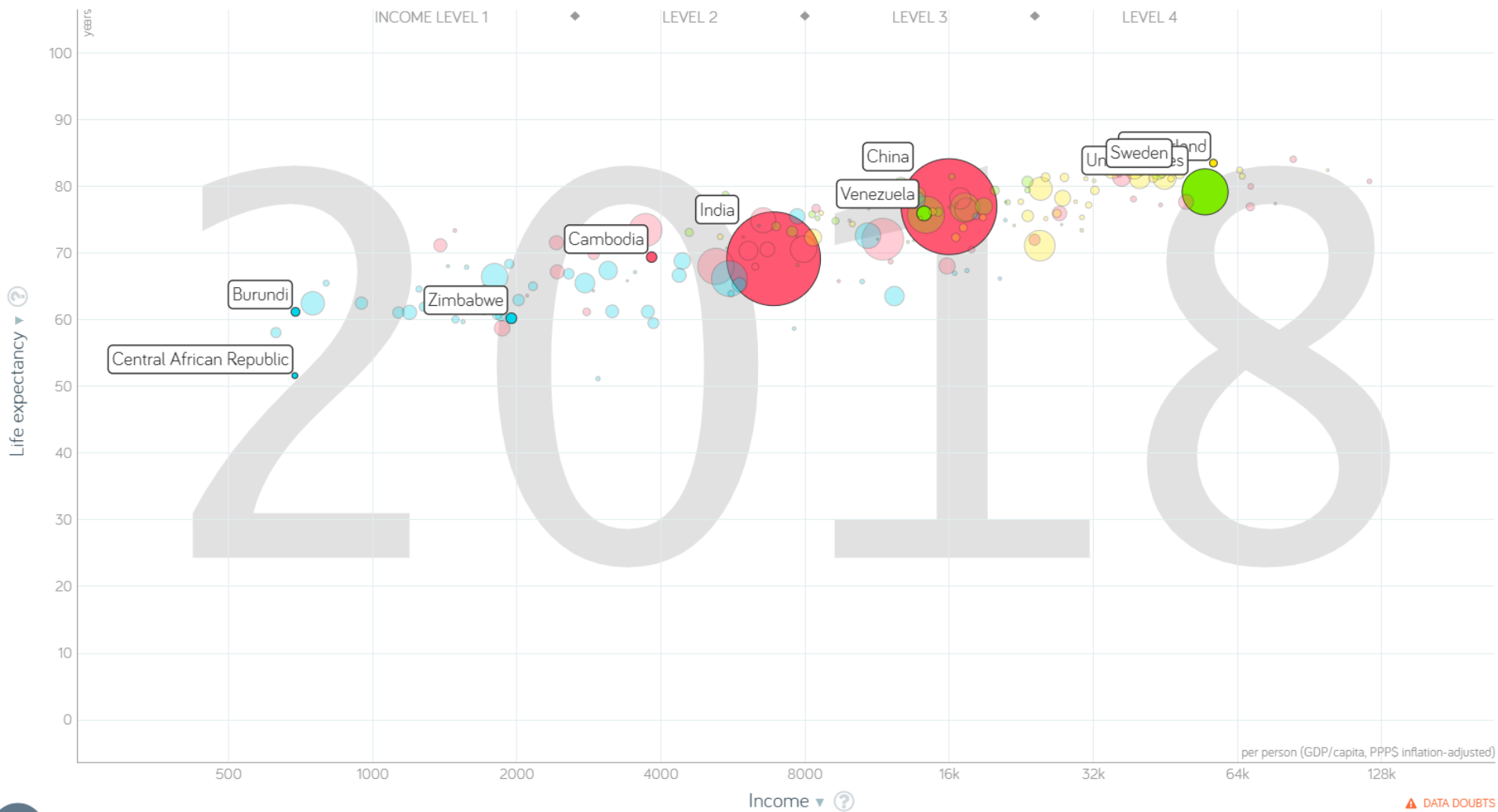
Child mortality (0-5 year-olds dying per 1000 born) ?

DATA DOUBT



Income per person (GDP/capita, PPP\$ inflation-adjusted) ?





Number of people by income ?

⚠ DATA DOUBTS

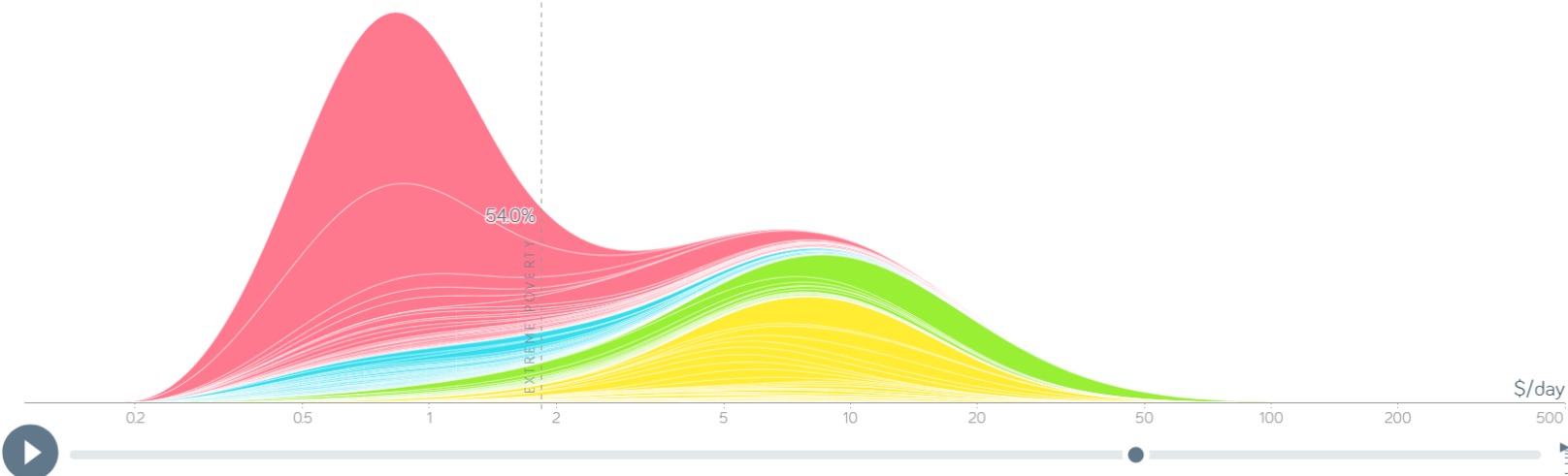
INCOME LEVEL 1

LEVEL 2

LEVEL 3

LEVEL 4

1959



Color World Regions



Select Search...

- ☐ Afghanistan
- ☐ Albania
- ☐ Algeria
- ☐ Andorra
- ☐ Angola
- ☐ Antigua and Barbuda
- ☐ Argentina
- ☐ Armenia
- ☐ Australia
- ☐ Austria
- ☐ Azerbaijan
- ☐ Bahamas
- ☐ Bahrain
- ☐ Bangladesh
- ☐ Barbados
- ☐ Belarus
- ☐ Belgium
- ☐ Belize
- ☐ Benin
- ☐ Bhutan
- ☐ Bolivia

Stack

☐ None ☐ By colors ☒ World

OPTIONS PRESENT EXPAND

Number of people by income ?
⚠ DATA DOUBTS

INCOME LEVEL 1

LEVEL 2

LEVEL 3

LEVEL 4

1979

Color World Regions



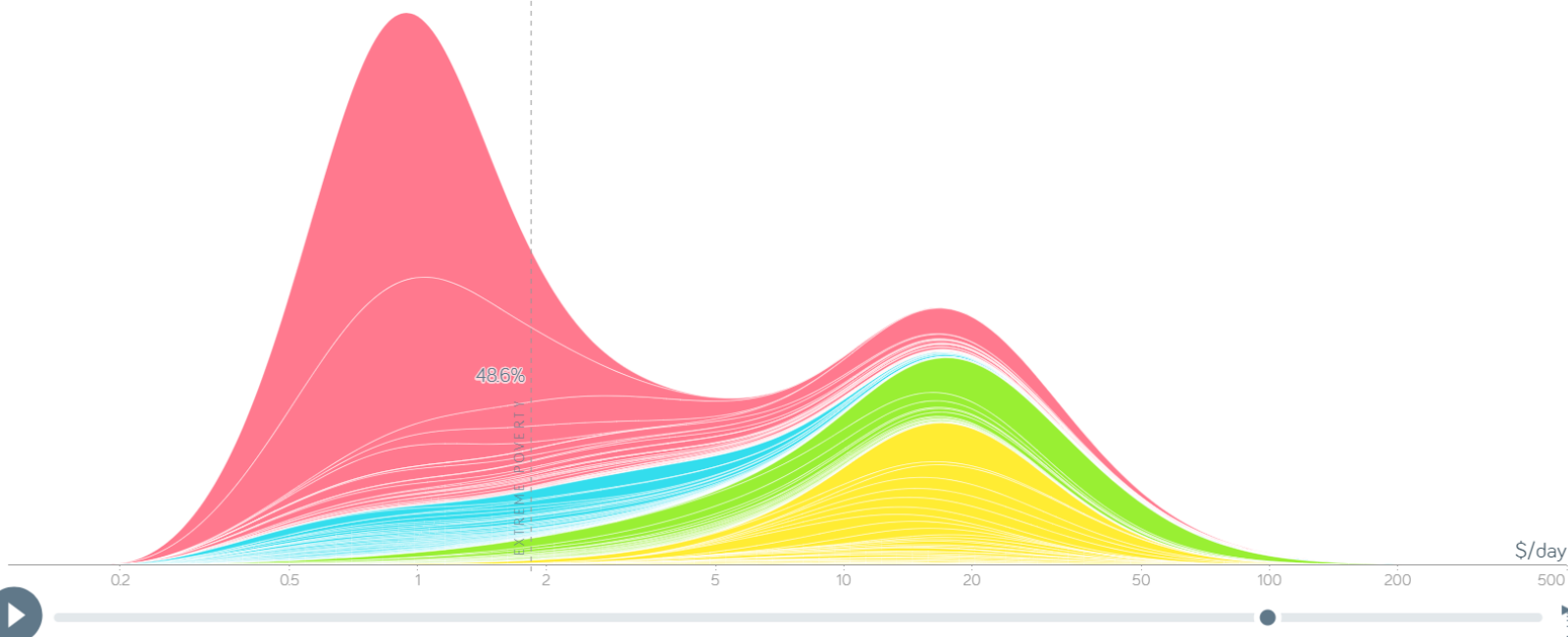
Select Search...

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- ☐ Angola
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- ☐ Argentina
- ☐ Armenia
- ☐ Australia
- ☐ Austria
- ☐ Azerbaijan
- ☐ Bahamas
- ☐ Bahrain
- ☐ Bangladesh
- ☐ Barbados
- ☐ Belarus
- ☐ Belgium
- ☐ Belize
- ☐ Benin
- ☐ Bhutan
- ☐ Bolivia

Stack

None By colors World

OPTIONS PRESENT EXPAND



Number of people by income ?

⚠ DATA DOUBTS

INCOME LEVEL 1

LEVEL 2

LEVEL 3

LEVEL 4

1999

Color World Regions ▼



Select Search...

- ☐ Afghanistan
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- ☐ Algeria
- ☐ Andorra
- ☐ Angola
- ☐ Antigua and Barbuda
- ☐ Argentina
- ☐ Armenia
- ☐ Australia
- ☐ Austria
- ☐ Azerbaijan
- ☐ Bahamas
- ☐ Bahrain
- ☐ Bangladesh
- ☐ Barbados
- ☐ Belarus
- ☐ Belgium
- ☐ Belize
- ☐ Benin
- ☐ Bhutan
- ☐ Bolivia

Stack

● None ● By colors ● World



OPTIONS

PRESENT

EXPAND

28.6%

POVERTY LINE

\$/day

0.2 0.5 1 2 5 10 20 50 100 200 500

Number of people by income ?
⚠ DATA DOUBTS

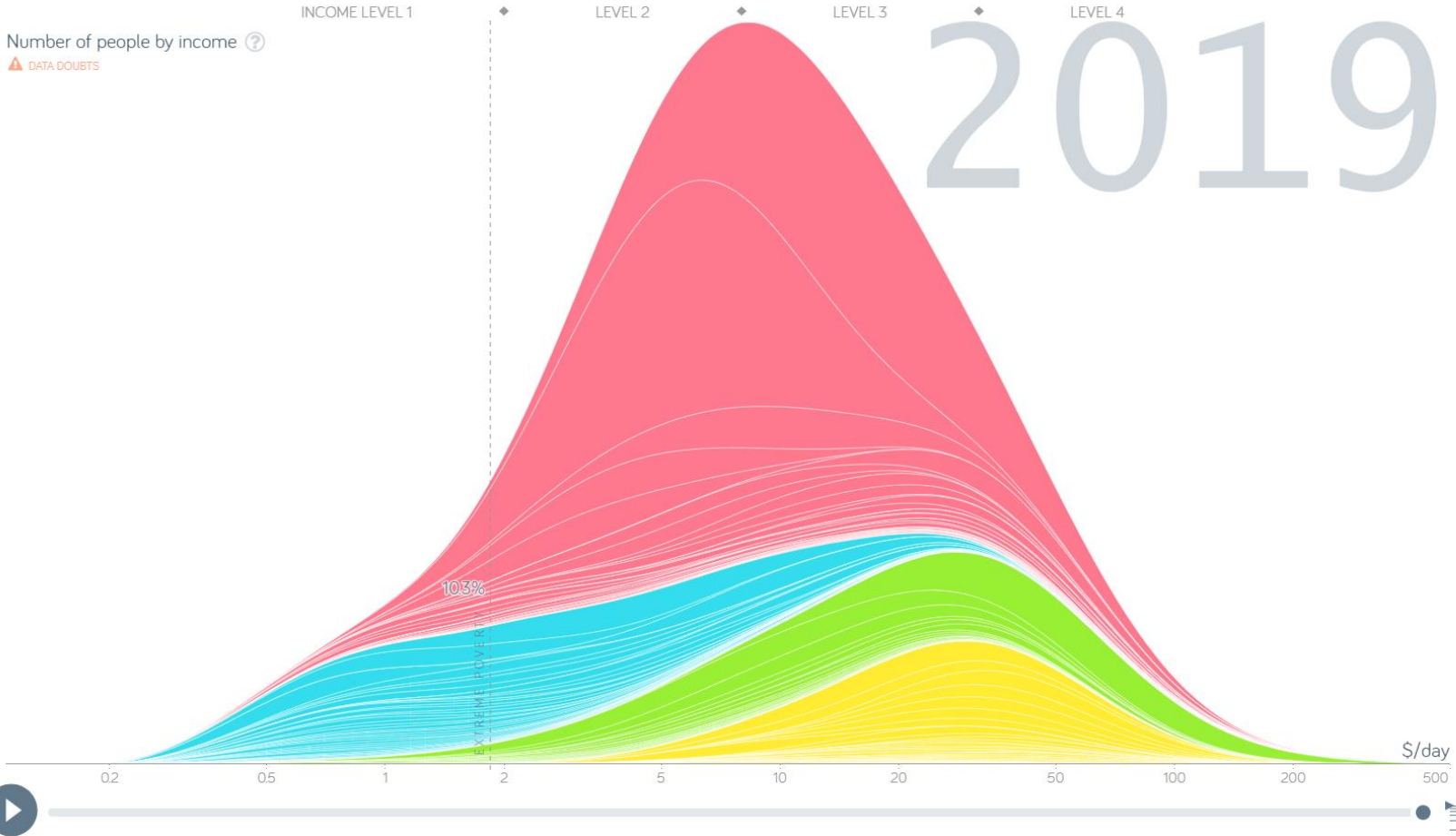
INCOME LEVEL 1

LEVEL 2

LEVEL 3

LEVEL 4

2019



Color World Regions



Select Search...

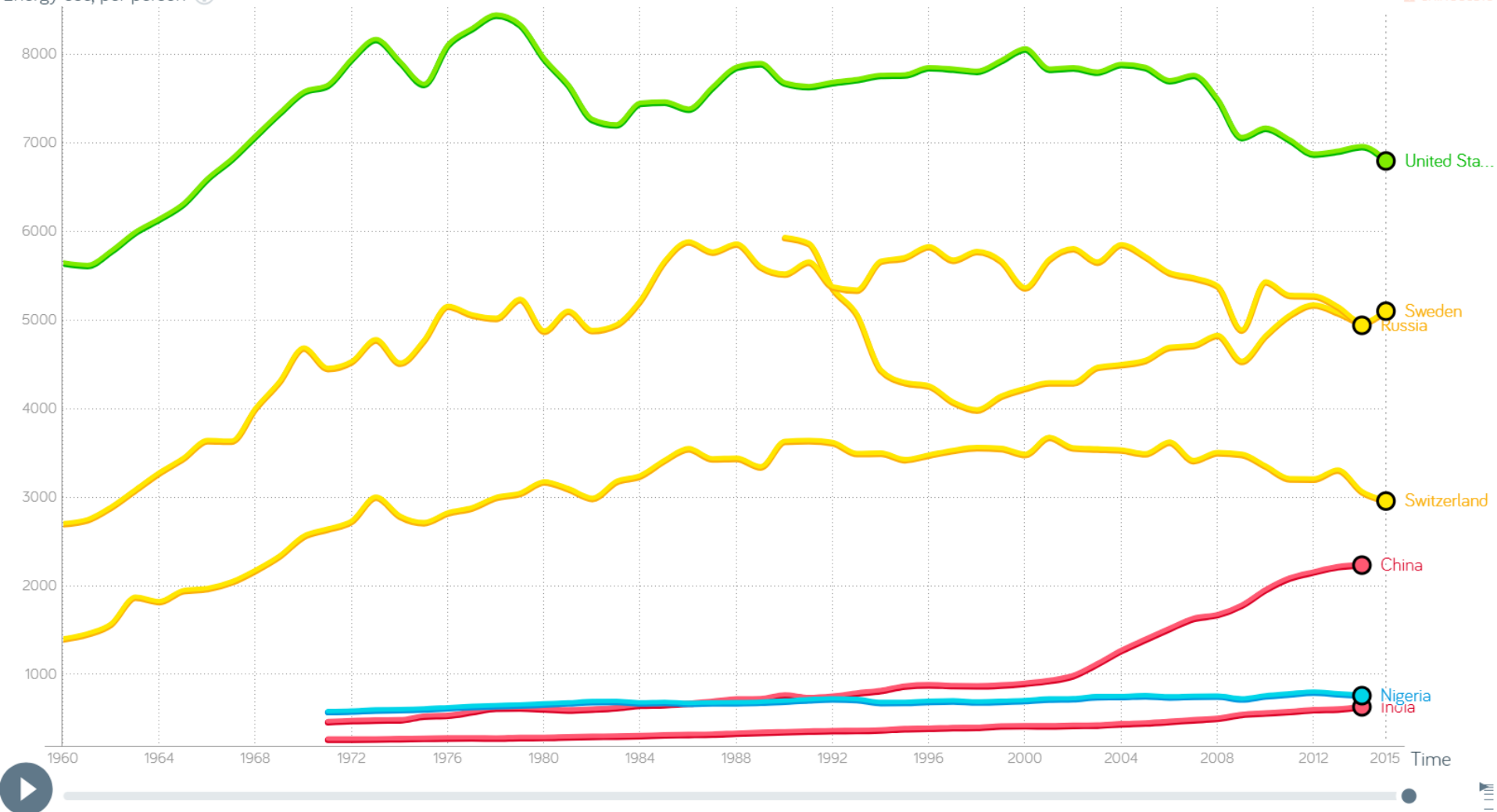
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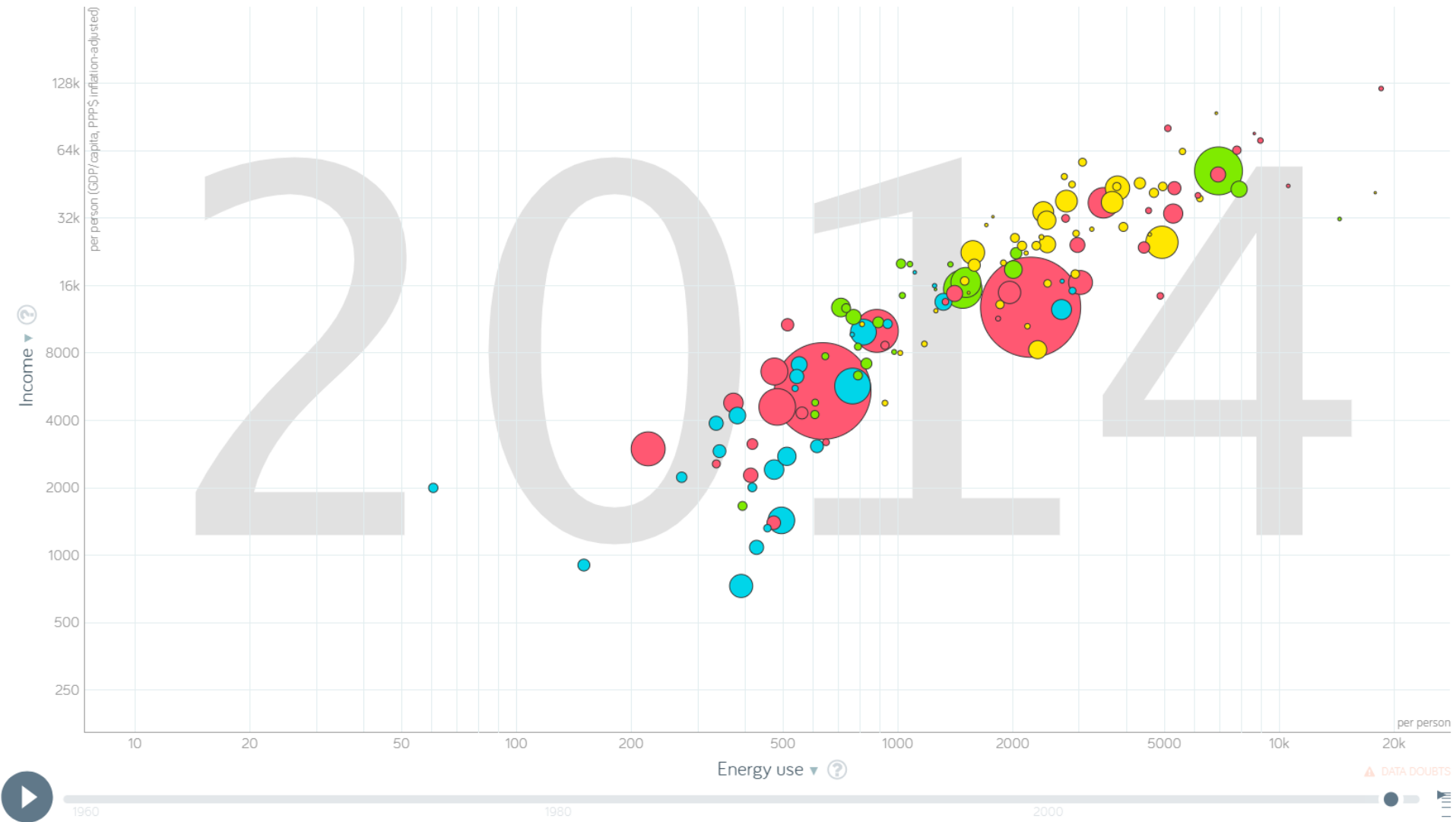
Stack
☐ None ☐ By colors ☒ World

OPTIONS PRESENT EXPAND

Energy use, per person ?

DATA DOUBTS





Conclusioni

- Nella storia dell'umanità non c'è stato momento migliore di oggi per vivere.
- Considerata l'altissima vulnerabilità di un neonato, la mortalità infantile (0-5 anni) è un indicatore comprensivo di sviluppo, perché incorpora la qualità del sistema fognario, dell'approvvigionamento idrico, dei valori nutrizionali nella popolazione, del sistema sanitario nonché la capacità economica delle famiglie di far fronte a spese impreviste, a sua volta possibile a fronte di un avvenuto risparmio personale. **Oggi la mortalità infantile nei paesi più poveri al mondo è paragonabile a quella in Svizzera negli anni 1930-1940!**
- **Non vi è oggi paese con una speranza di vita alla nascita minore di 50 anni.**
- Gli indicatori materiali di benessere correlano in modo chiaro con il prodotto interno lordo procapite.
- Gli indicatori di benessere materiale e il prodotto interno lordo procapite dipendono in modo evidente dal **consumo energetico procapite**. Da solo, questo è capace di spiegare l'80% della variazione nel tempo e tra diversi paesi del potere d'acquisto medio procapite.
- Attualmente solo il 10% della popolazione mondiale vive in **povertà assoluta**, definita secondo l'ONU come meno di USD 1.80 al giorno. Si conta che entro il 2030 essenzialmente tutta la popolazione mondiale sarà uscita dalla povertà assoluta, salvo cause umane come **guerre** o esperimenti di **economia comunista** o centralmente pianificata (si pensi al caso del Venezuela).
- La cornice socioeconomica alla questione climatica e delle emissioni di CO2 pone il **requisito centrale di continuare ad aumentare la disponibilità di energia procapite** ad un numero sempre crescente di persone (la popolazione mondiale dovrebbe stabilizzarsi attorno ai 10-11 mrd. di persone entro il 2100), in particolare in Asia e in Africa. Tutto il resto sono proposte letteralmente inumane e incoerenti con lo studio dello sviluppo umano ed economico.