

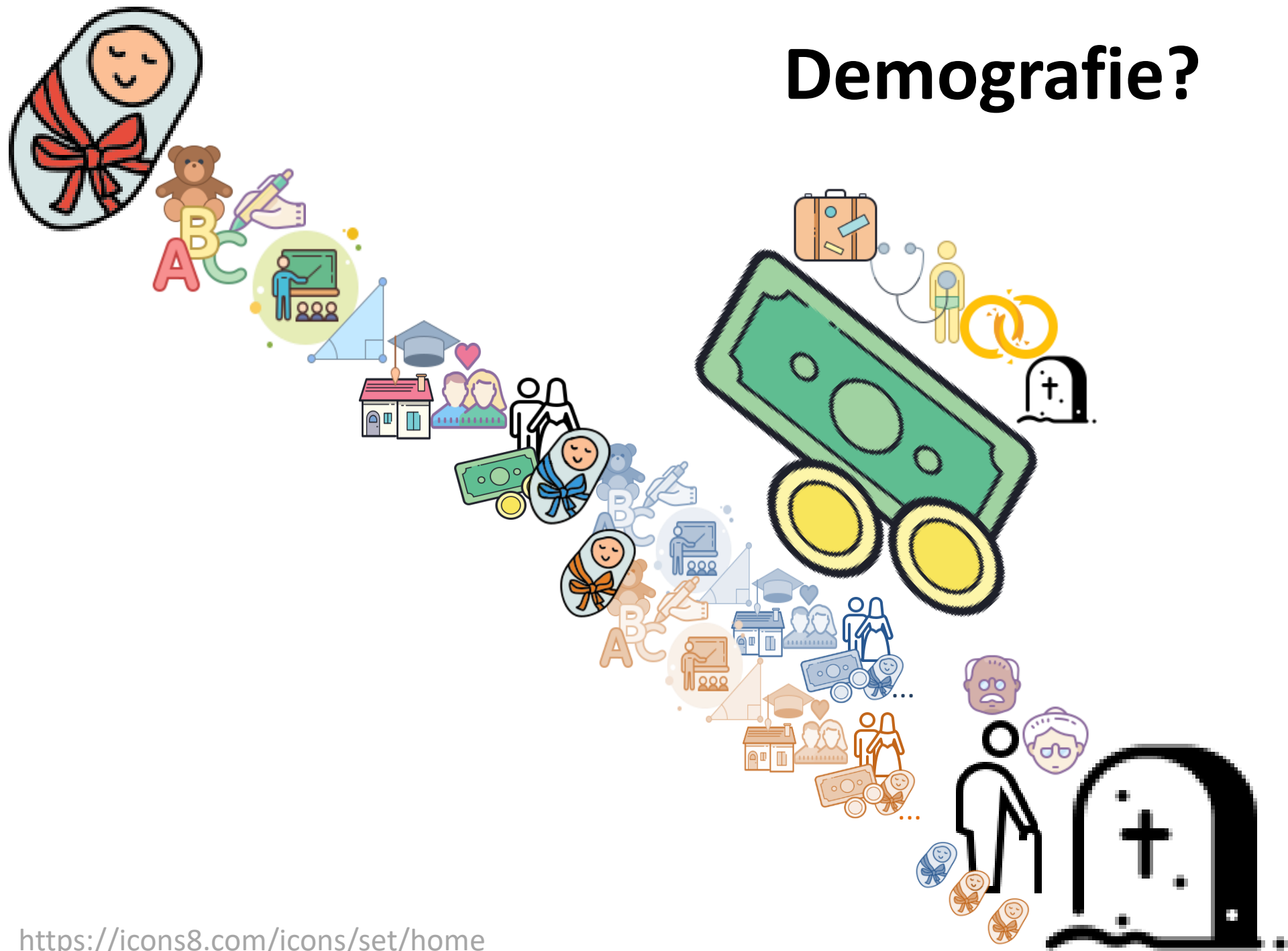
Neobyčejná demografie obyčejného života

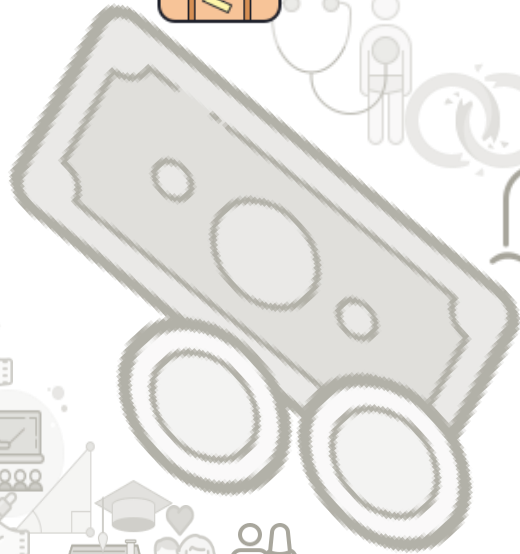
Den otevřených dveří 2020

O čem to bude?

- O tom co je demografie
- O zajímavých zdrojích s demografickou tématikou
- O podobnostech a odlišnostech života na různých místech a v různých dobách

Demografie?





Změna velikosti populace

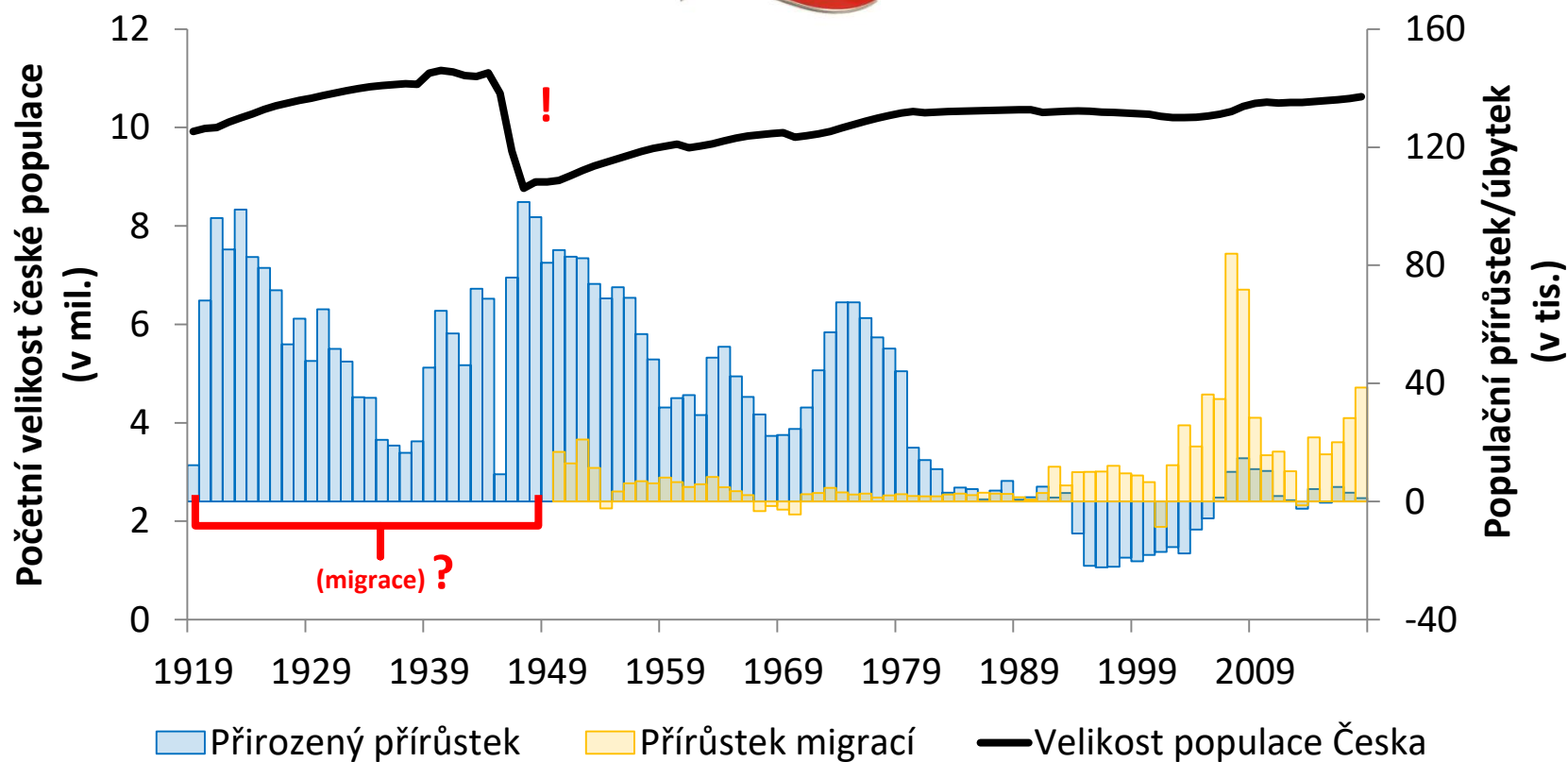
Změna velikosti populace



přirozená měna



mechanická měna



— Příklad přirozený přírůstek

— Příklad přírůstek migrací

— Velikost populace Česka

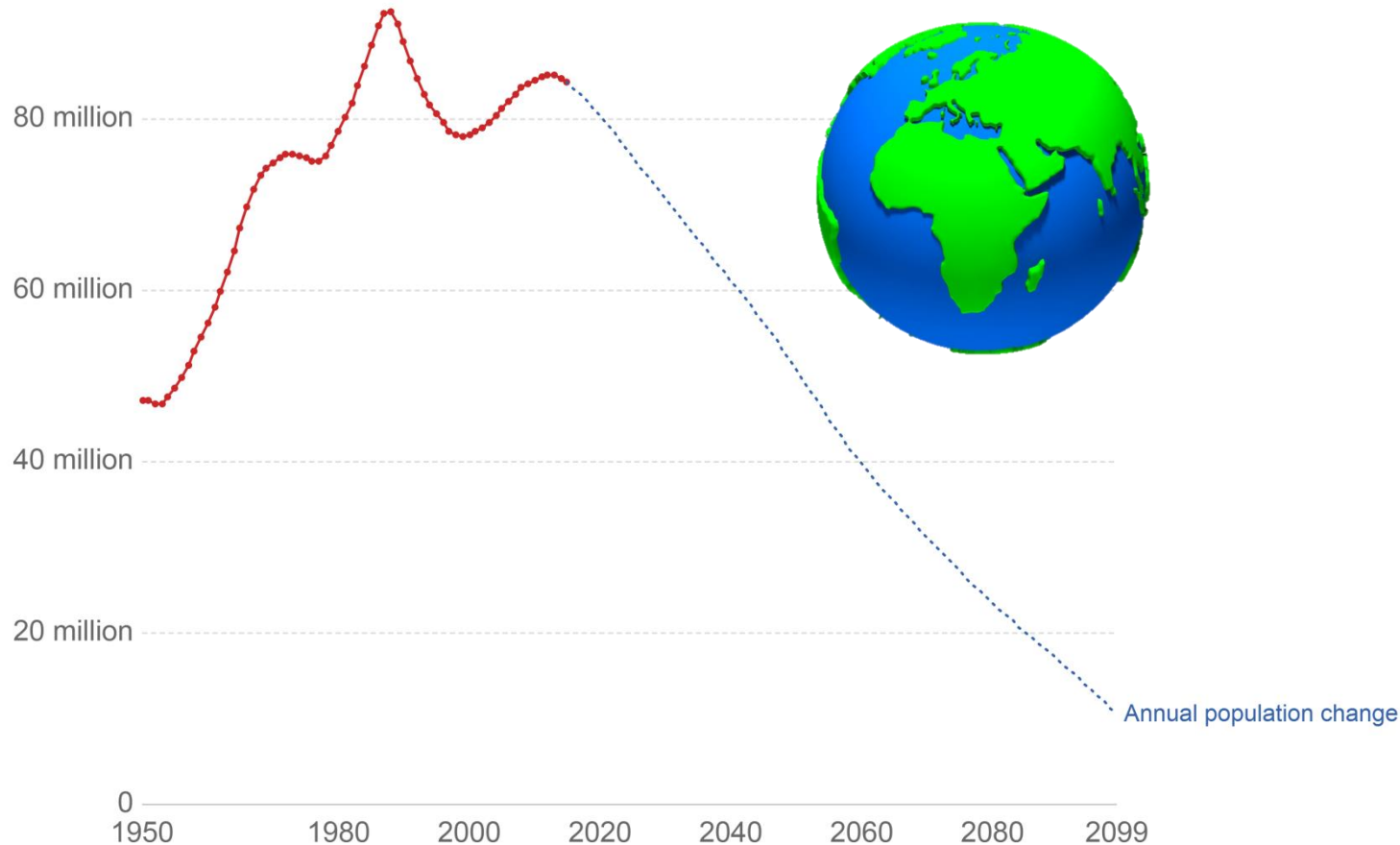


Změna velikosti populace



Population growth: The annual change of the population, World

Our World
in Data



?



Source: UN Population Division (2017 Revision)
OurWorldInData.org/world-population-growth/ • CC BY

<https://ourworldindata.org/world-population-growth>



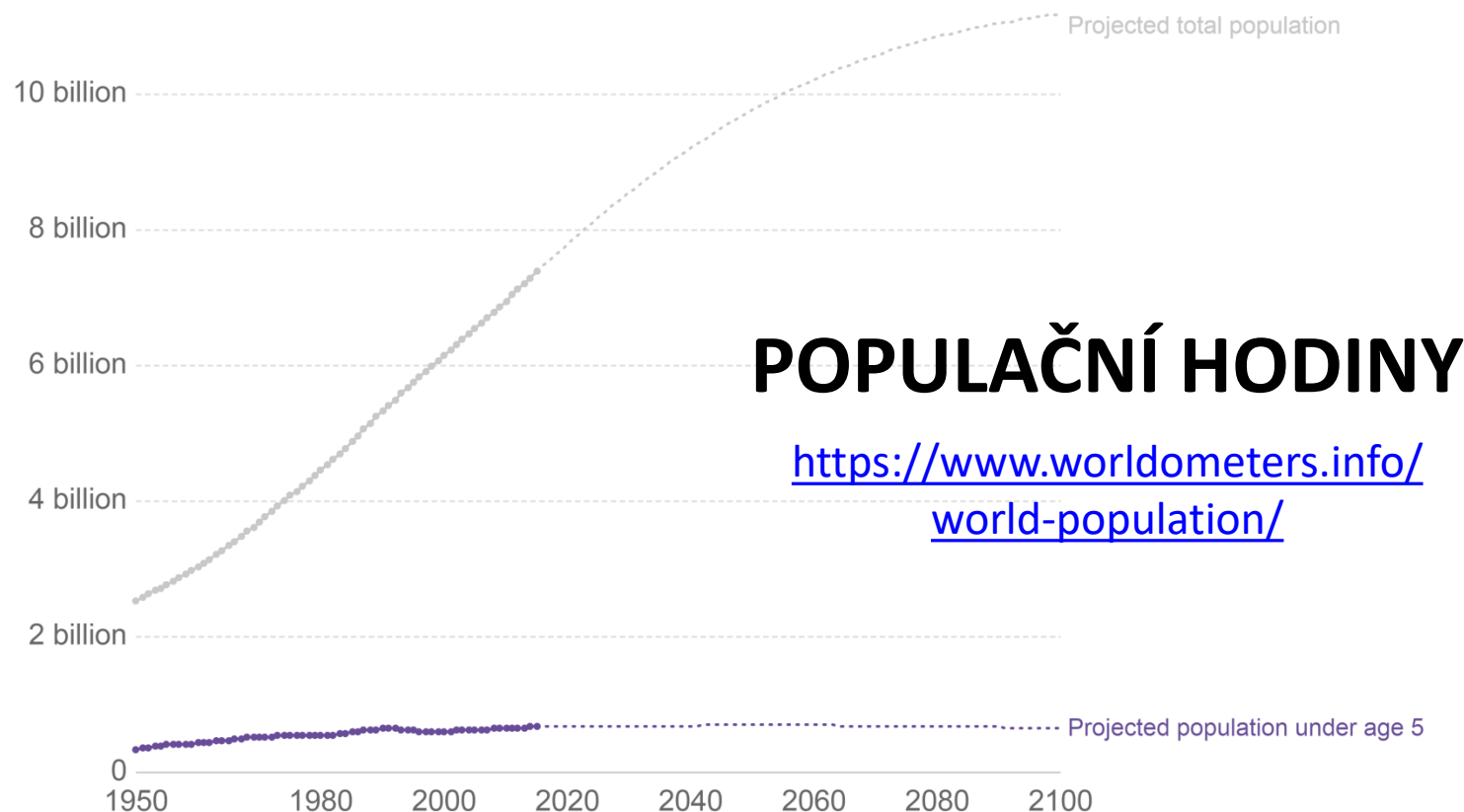
Velikost populace



World population and projected growth to 2100 (total population and under 5)

Our World
in Data

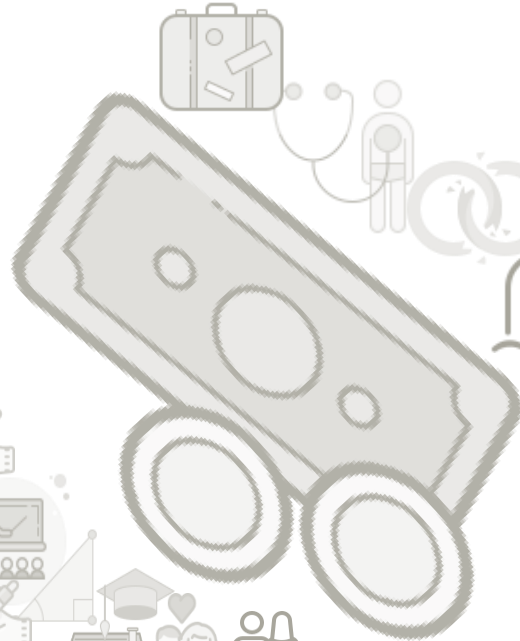
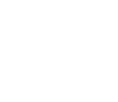
Projections are based on UN median estimates. The two series correspond to total population and population under age 5.



1805
1927
1959
1974
1987
1999
2011
2027
2046

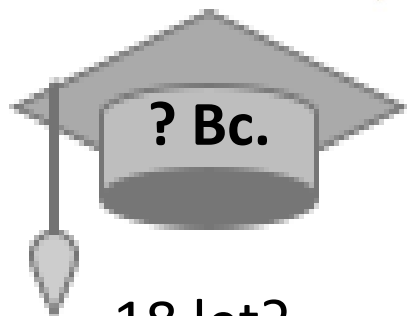
Source: UN Population Division (2015 Revision)
OurWorldInData.org/world-population-growth/ • CC BY

<https://ourworldindata.org/world-population-growth>



Plodnost
(aneb nejprve se
musíme narodit...)

Kolik je Vám let? V jakém roce jste se narodili?



18 let?

tj. $2020 - 18 = 2002$

Rok narození (pra)matky:

1974 <- 1949 <- 1922

1976 <- 1954 <- 1931



1949	27	
Rok	Celkem	1
1950	27	24
1951	27	24
1952	27	24
1953	27	23
1954	27	23
1955	27	23
1956	27	23
1957	26	23
1958	26	23
1959	25	23
1960	25	23
1961	25	23
1962	25	23
1963	25	23
1964	26	23
1965	26	23
1966	25	23
1967	25	22
1968	25	23
1969	25	22
1970	25	22
1971	25	23
1972	25	23

Rok	Celkem	1
1973	25	23
1974	25	23
1975	25	23
1976	25	22
1977	25	22
1978	25	22
1979	25	22
1980	25	22
1981	25	22
1982	25	22
1983	25	22
1984	25	22
1985	25	22
1986	25	22
1987	25	22
1988	25	22
1989	25	22
1990	25	22
1991	25	22
1992	25	23
1993	25	23
1994	25	23
1995	26	23

Rok	Celkem	1
1996	26	24
1997	26	24
1998	27	24
1999	27	25
2000	27	25
2001	28	25
2002	28	26
2003	28	26
2004	28	26
2005	29	27
2006	29	27
2007	29	27
2008	29	27
2009	29	27
2010	30	28
2011	30	28
2012	30	28
2013	30	28
2014	30	28
2015	30	28
2016	30	28
2017	30	28
2018	30	28



Generační rozdíly

Generační rozdíly



2002



1974



1949



1922



Průměrný věk při
narození 1. dítěte a
průměrný počet dětí

? (2017: 28 let)**

?

25 let

1,8 dětí

23 let

2,1 dětí

?

? (2,9)*



Naděje dožití
při narození

75 let

70 let

64 let

51 let

Co ovlivňuje časování narození prvního dítěte?

**Generační
rozdíly**



Generační rozdíly



2002

?

2018

30 let

49 %

???



1974

25 let

1999

24 let

21 %

15 %



1949

23 let

1972

22 let

5 %

7%



1922

?

1950

24 let

6 %

2 %



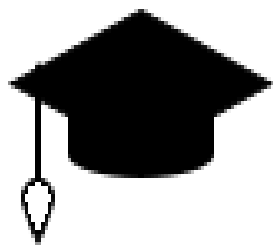
Průměrný věk při
narození 1. dítěte

(reprezentující kalendářní rok)



Průměrný věk při
sňatku svobodných

% dětí narozených
mimo manželství



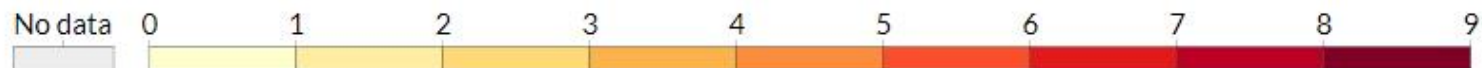
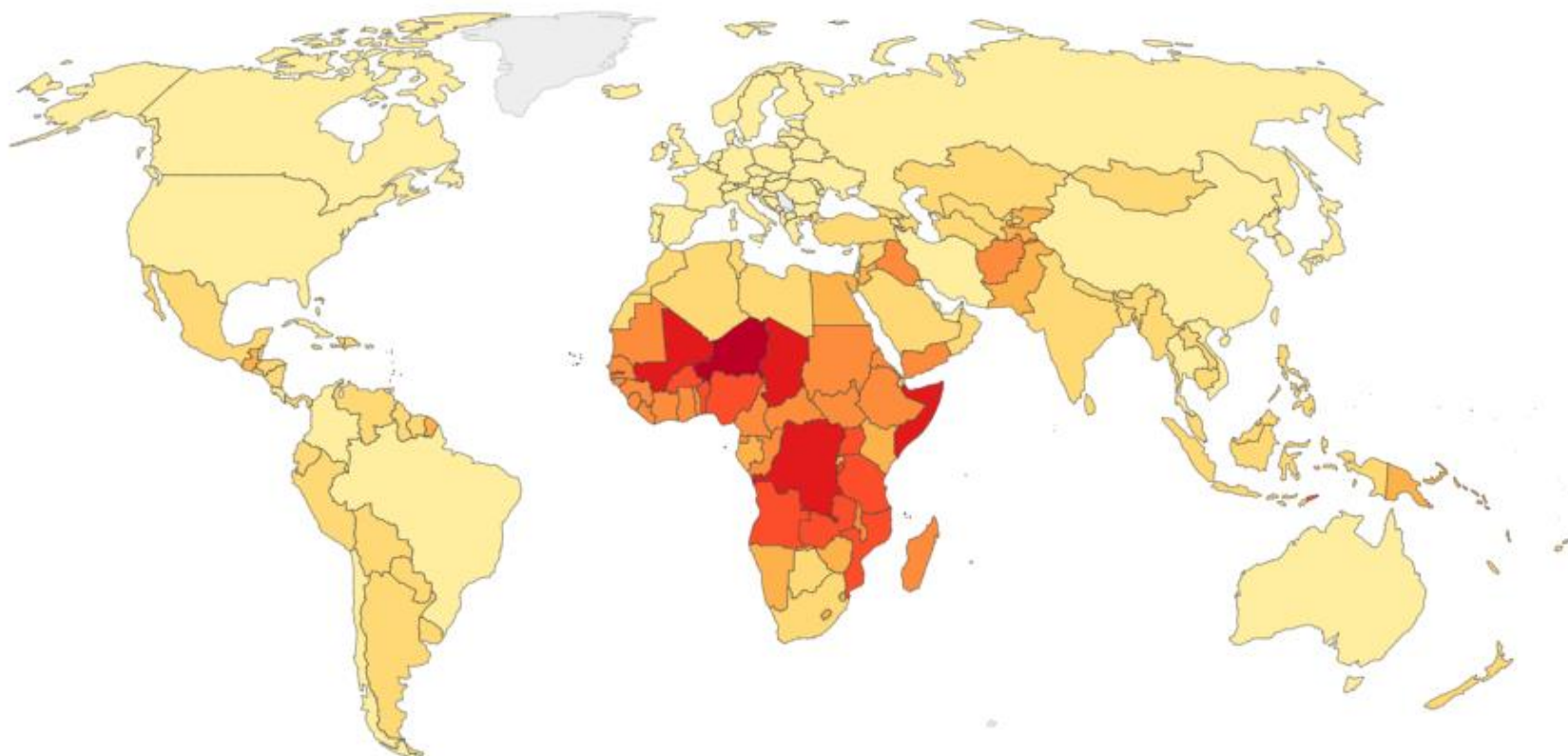
Podíl osob s VŠ
vzděláním dle
SLDB 2011

Generační rozdíly – úhrnná plodnost



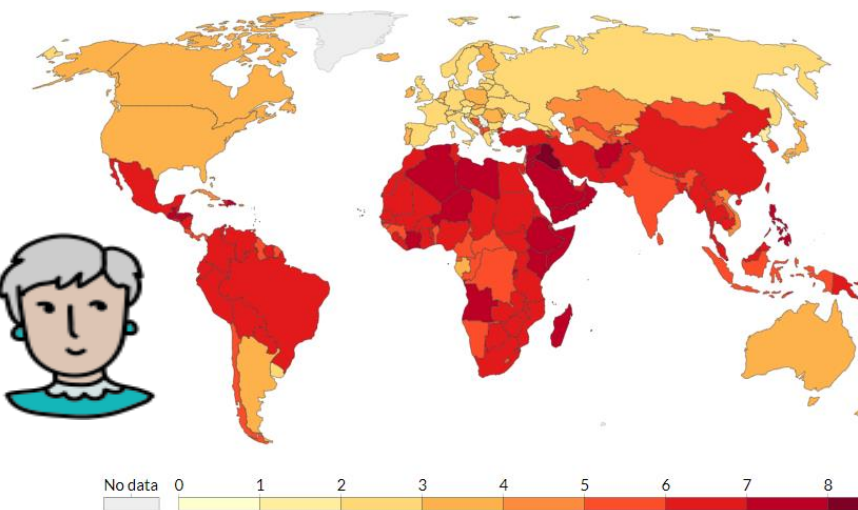
Our World
in Data

Children per woman, 2015



Plodnost x přežití dítěte

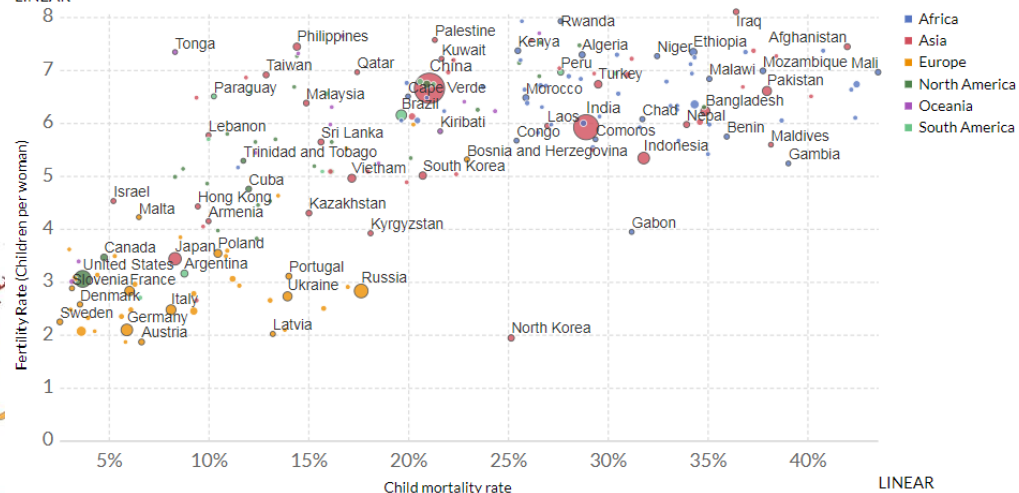
Children per woman, 1950



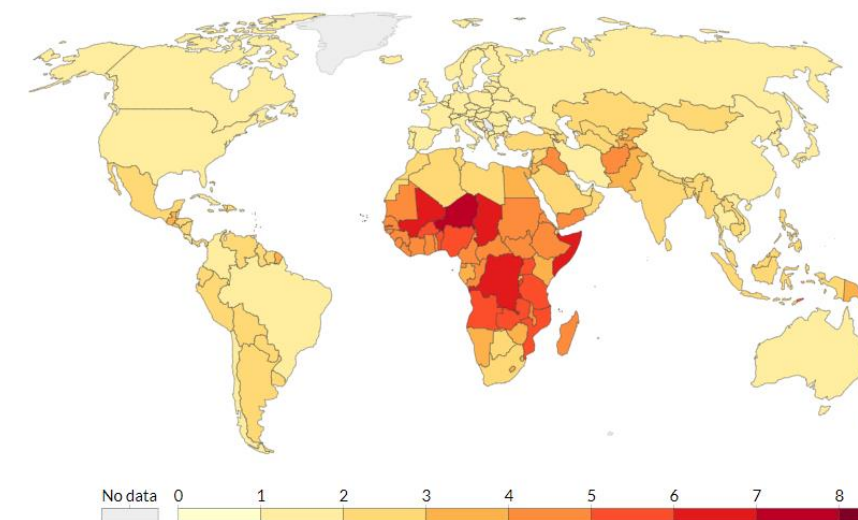
Average number of children vs child mortality, 1950

Child mortality measures the share of children that die before their fifth birthday.

LINEAR



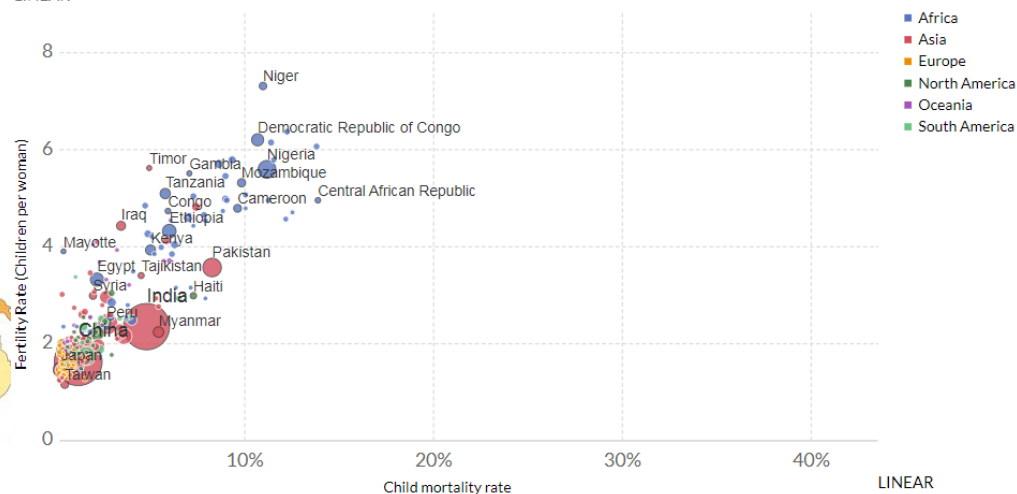
Children per woman, 2015



Average number of children vs child mortality, 2015

Child mortality measures the share of children that die before their fifth birthday.

LINEAR



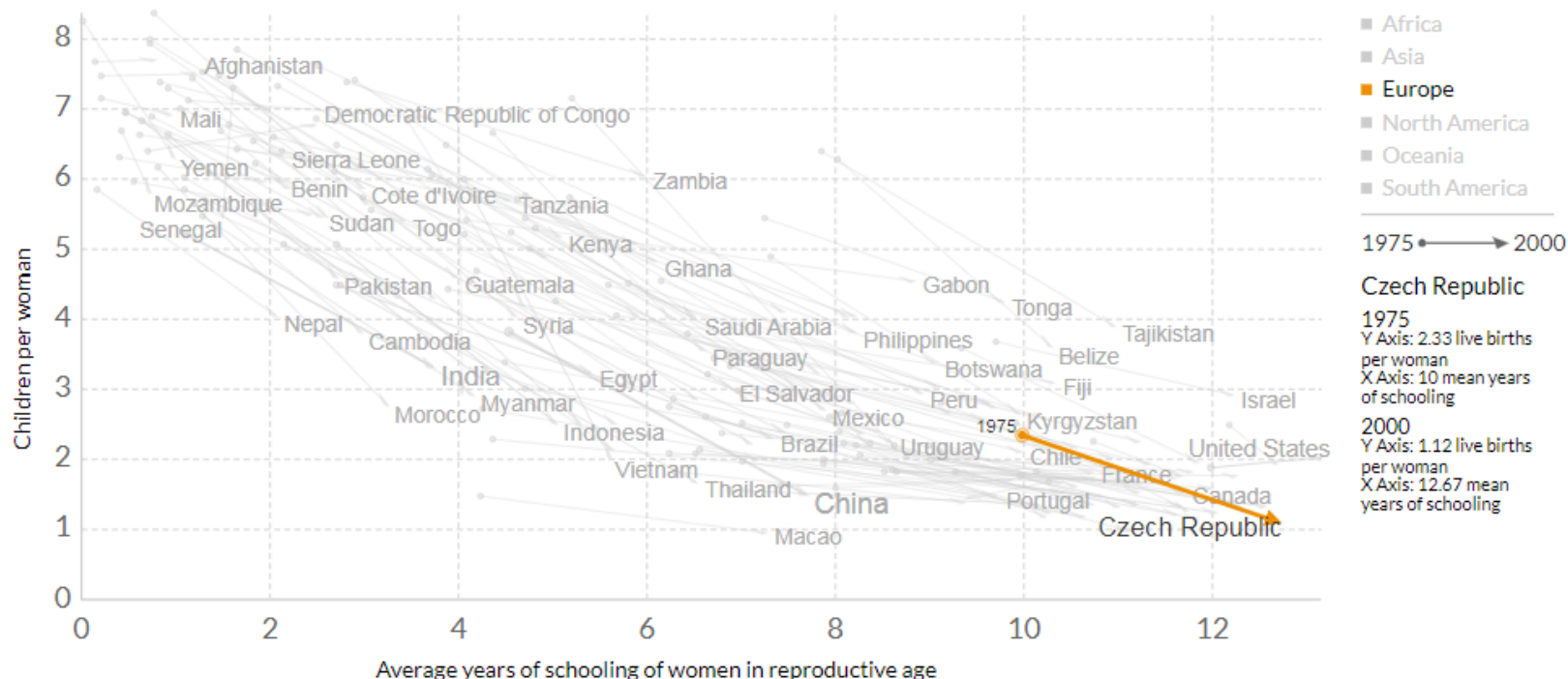
Generační rozdíly – vzdělání a plodnost



Women's educational attainment vs. number of children per woman, 1975 to 2000

Our World
in Data

Shown on the x-axis is the average number of years of schooling of women in the reproductive age (15 to 49 years). On the y-axis you find the 'total fertility rate' – the number of live births per woman in reproductive age.



Prodlužující se život...

Generační rozdíly



Generační rozdíly



2002

1974

1949

1922

žena se dvěma dětma

65 let

65 let

58 let

55 let



Kolik je to procent ze střední délky života?

87 %

93 %

91 %

108 %



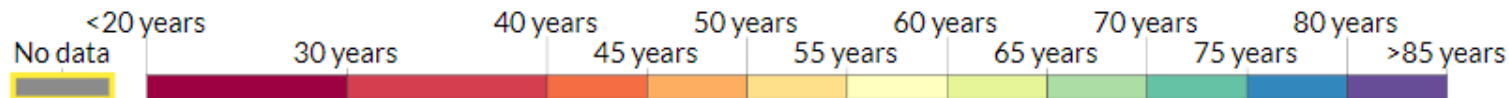
75 let

70 let

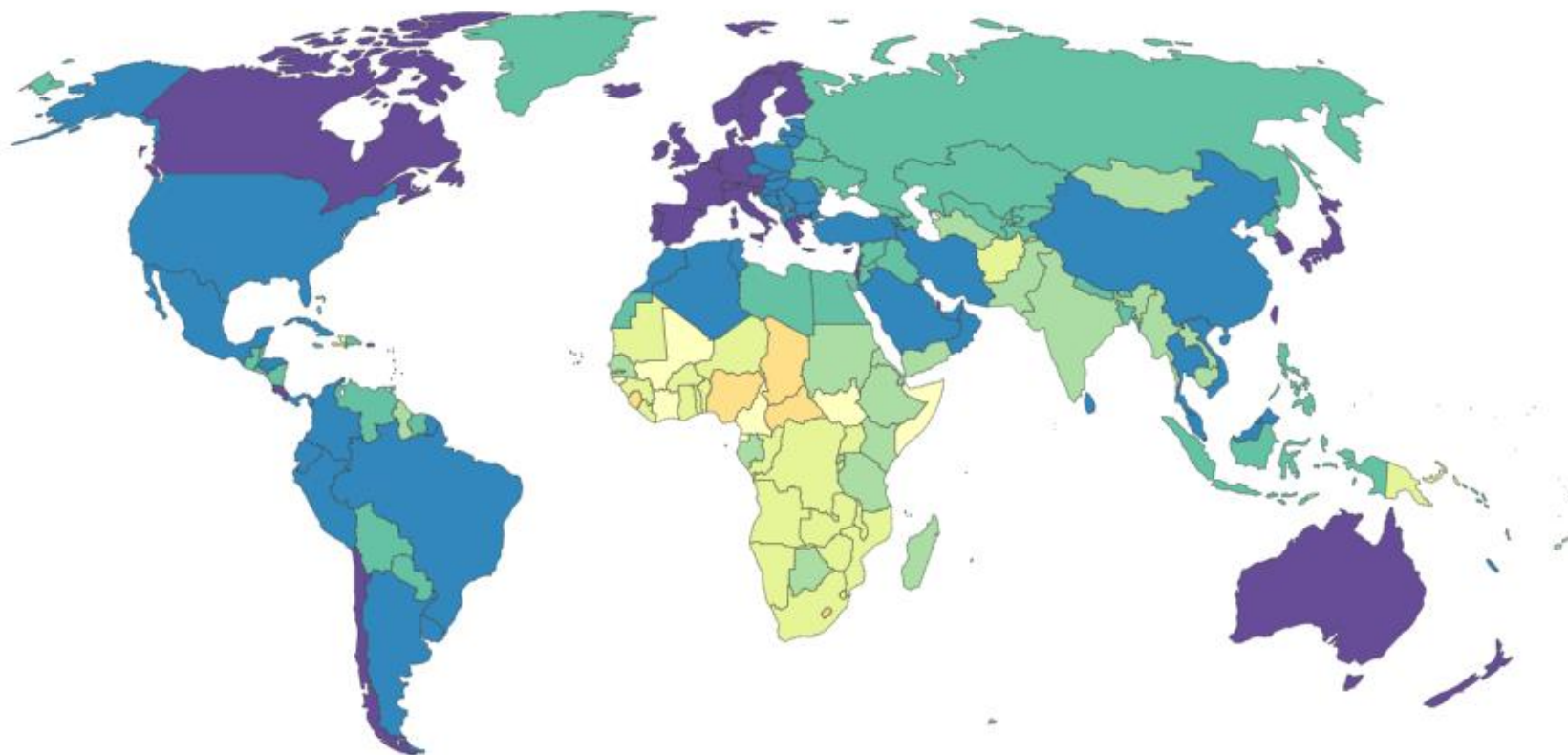
64 let

51 let

Naděje dožití



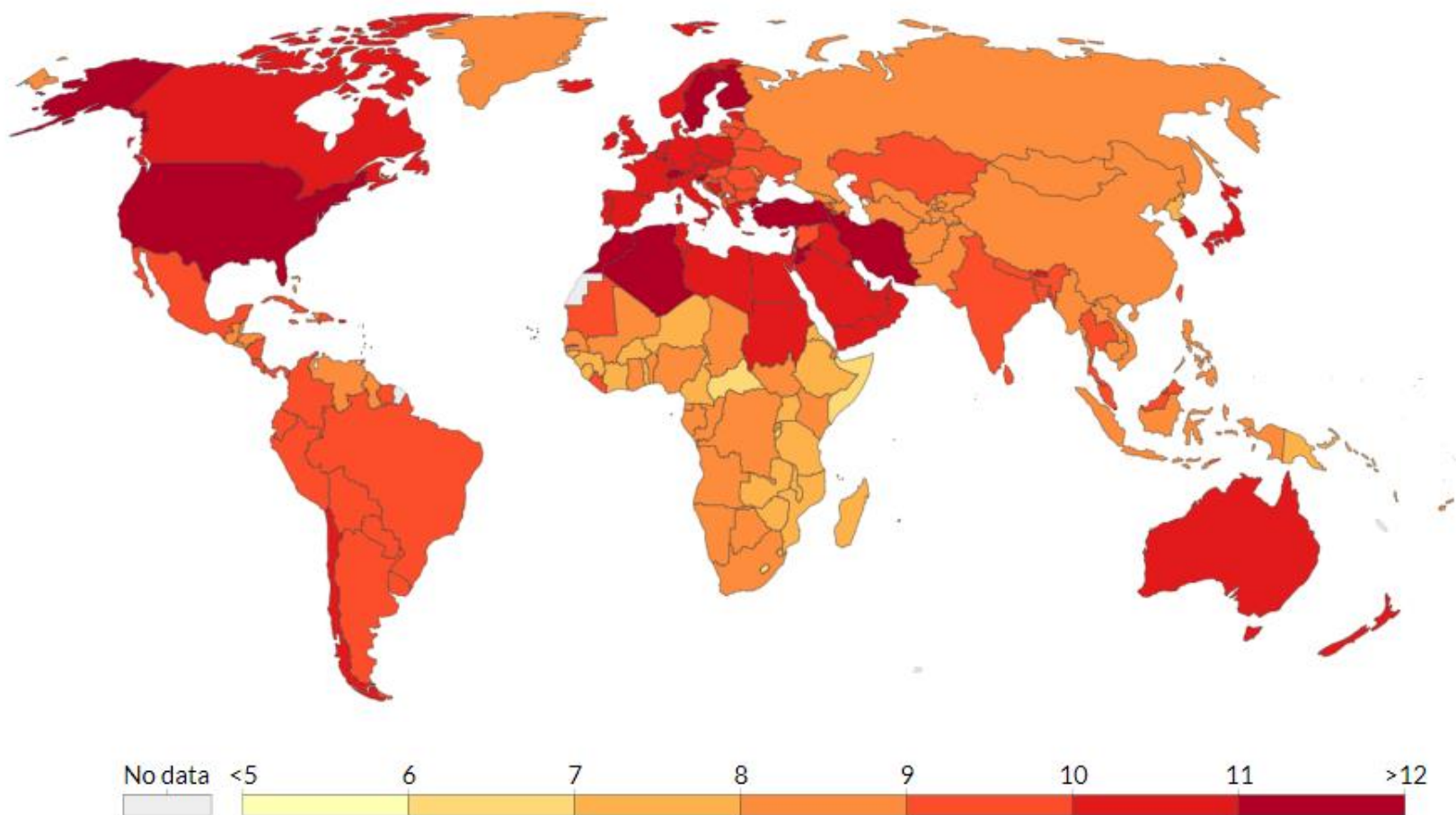
Life expectancy, 2019



Roky života se zdravotním omezením

Expected years of living with disability or disease burden, 2016

Average number of years with disability an individual born in the respective year can expect to experience. This is calculated as the difference between total and healthy life expectancy.

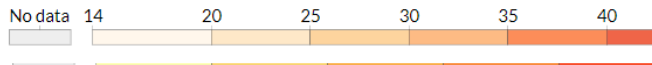
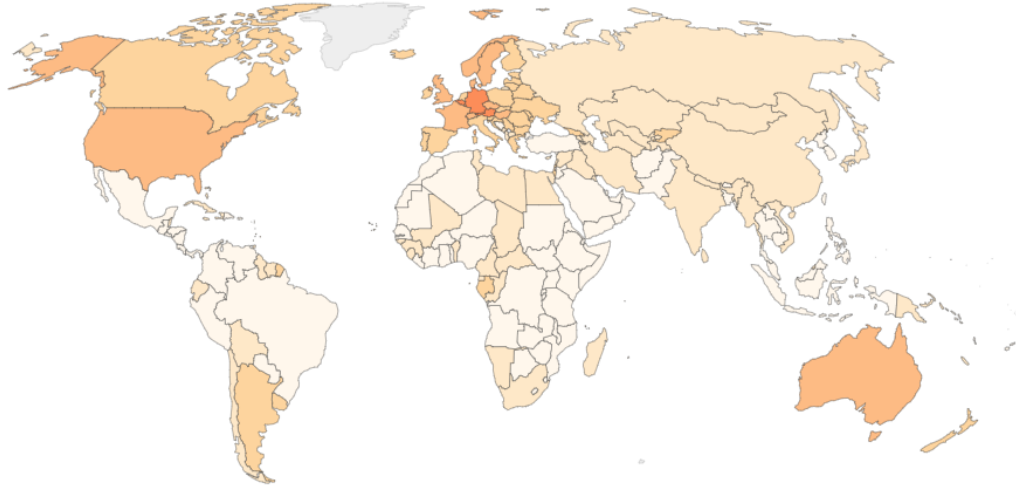


Mediánový věk

Median Age, 1950

The median age divides the population in two parts of equal size: that is, there are as many persons with ages above the median age as there are with ages below the median ages.

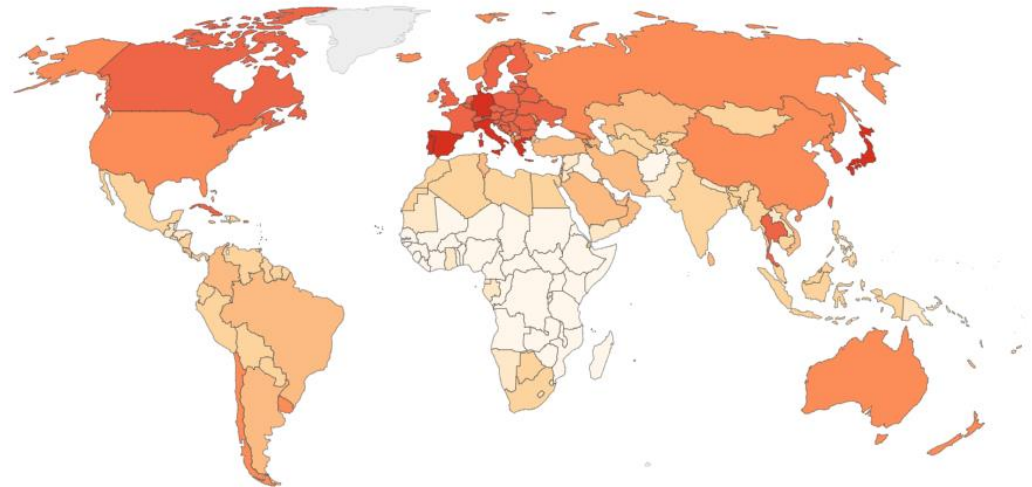
Our World
in Data



Median Age, 2020

The median age divides the population in two parts of equal size: that is, there are as many persons with ages above the median age as there are with ages below the median ages.

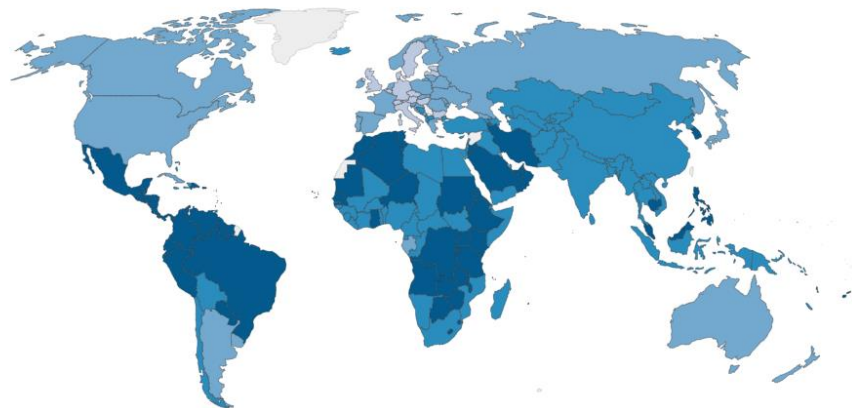
Our World
in Data



Závislost ekonomicky neaktivního obyvatelstva

Youth dependency ratio, 1960

The ratio of younger dependents – people younger than 15 – to the working-age population – those ages 15-64. Data are shown as the proportion of dependents per 100 working-age population.

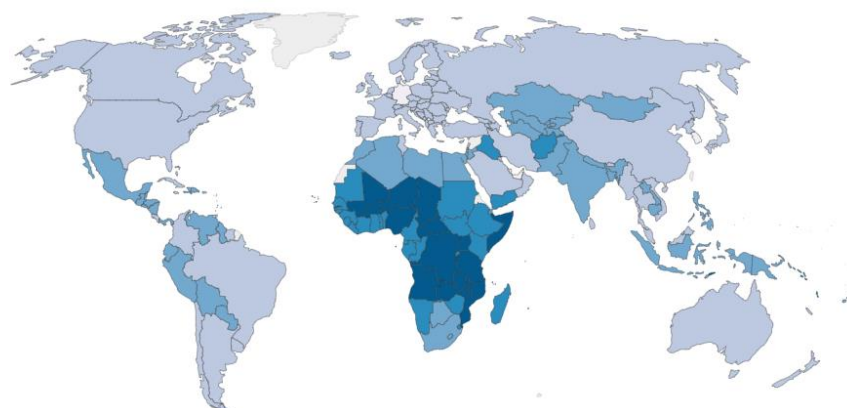


No data 0% 20% 40% 60% 80% >100%

Our World
in Data

Youth dependency ratio, 2017

The ratio of younger dependents – people younger than 15 – to the working-age population – those ages 15-64. Data are shown as the proportion of dependents per 100 working-age population.

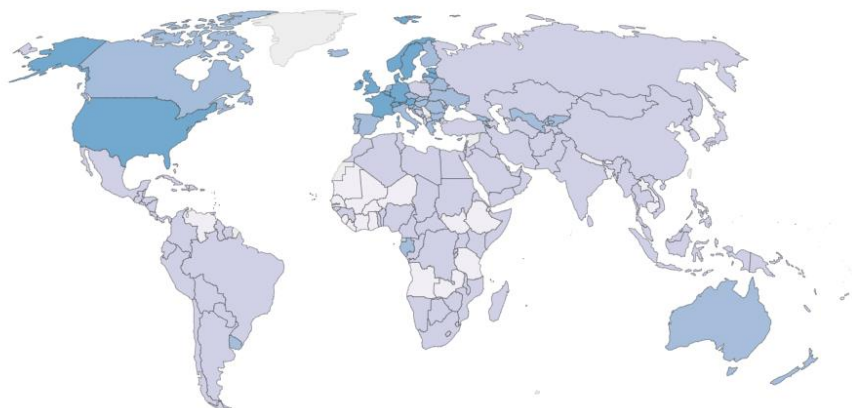


No data 0% 20% 40% 60% 80% >100%

Our World
in Data

Old-age dependency ratio, 1960

This is the ratio of the number of people older than 64 relative to the number of people in the working-age (15-64 years). Data are shown as the proportion of dependents per 100 working-age population.

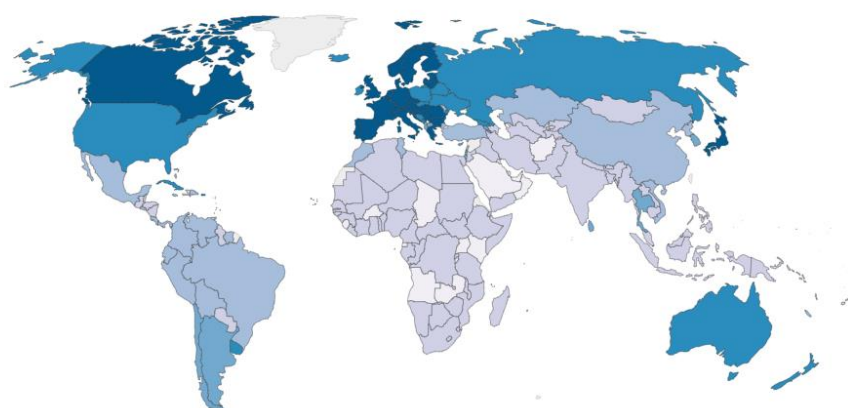


No data 0% 5% 10% 15% 20% 25% >30%

Our World
in Data

Old-age dependency ratio, 2017

This is the ratio of the number of people older than 64 relative to the number of people in the working-age (15-64 years). Data are shown as the proportion of dependents per 100 working-age population.



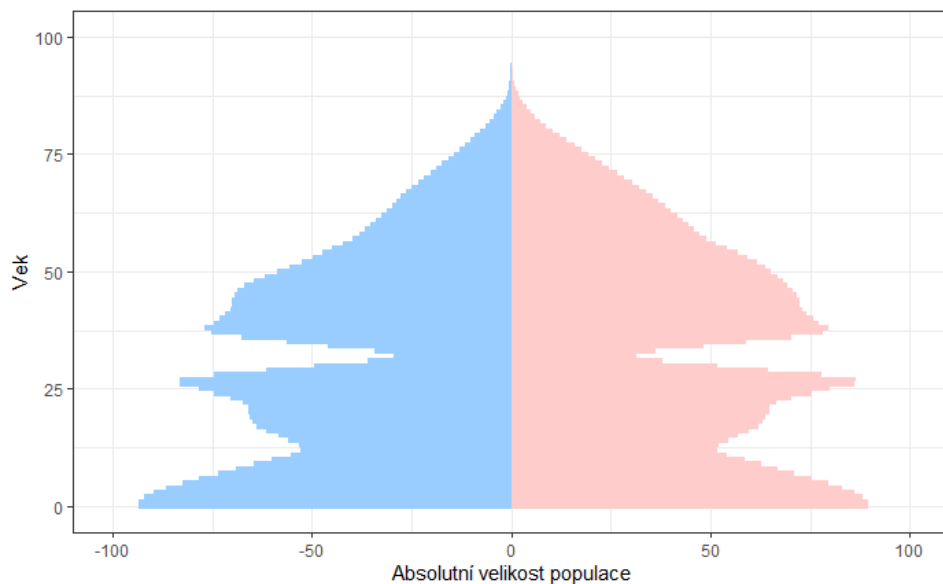
No data 0% 5% 10% 15% 20% 25% >30%

Our World
in Data

Populační pyramida

1950

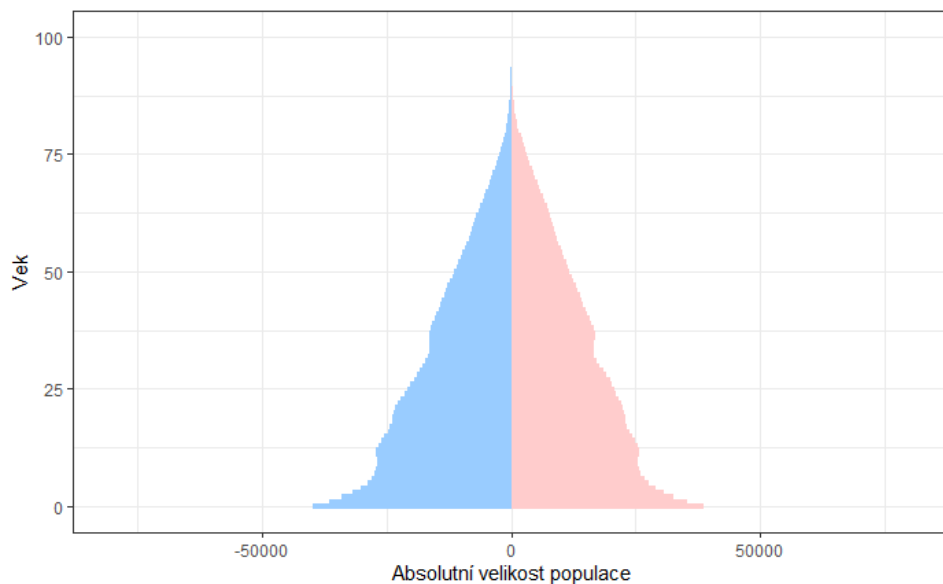
Česko



8,9 milionu

0,35 % světové populace

Svět

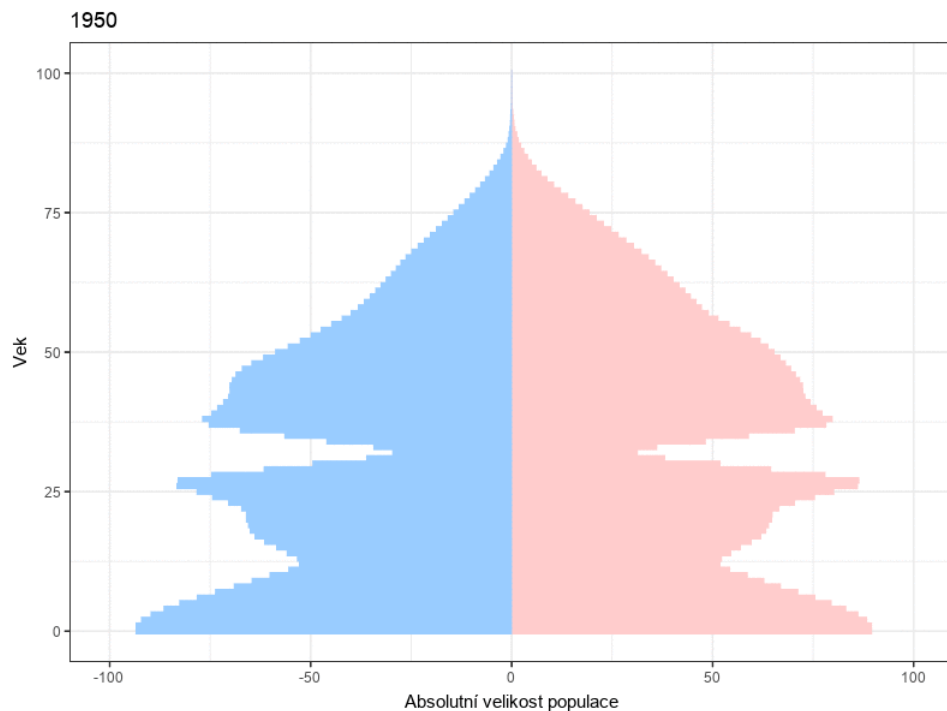


2,5 miliardy

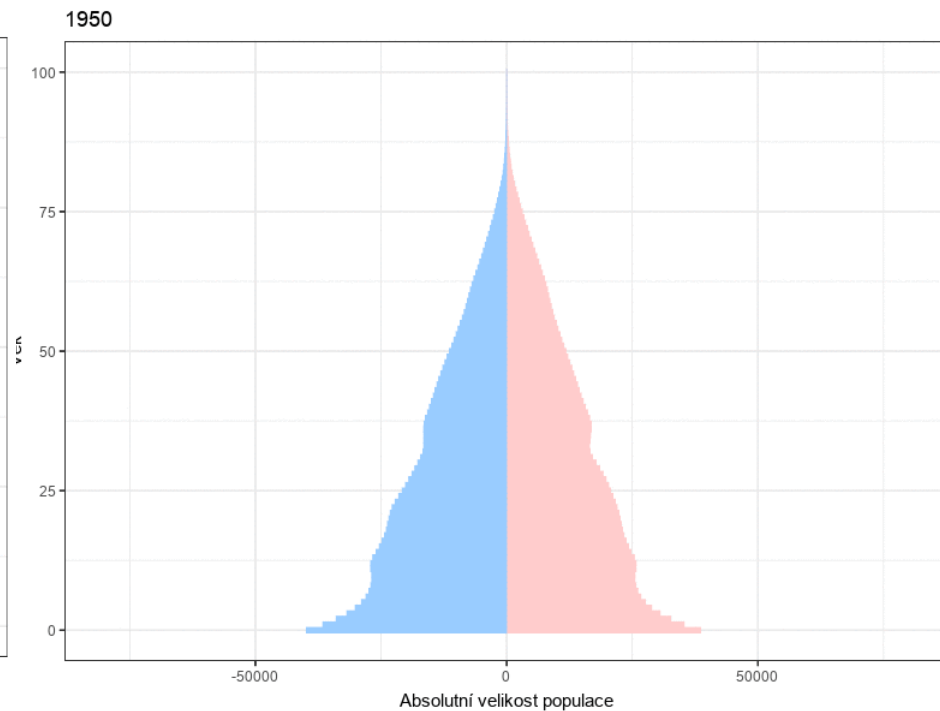
Populační pyramida

1950 – 2020

Česko



Svět

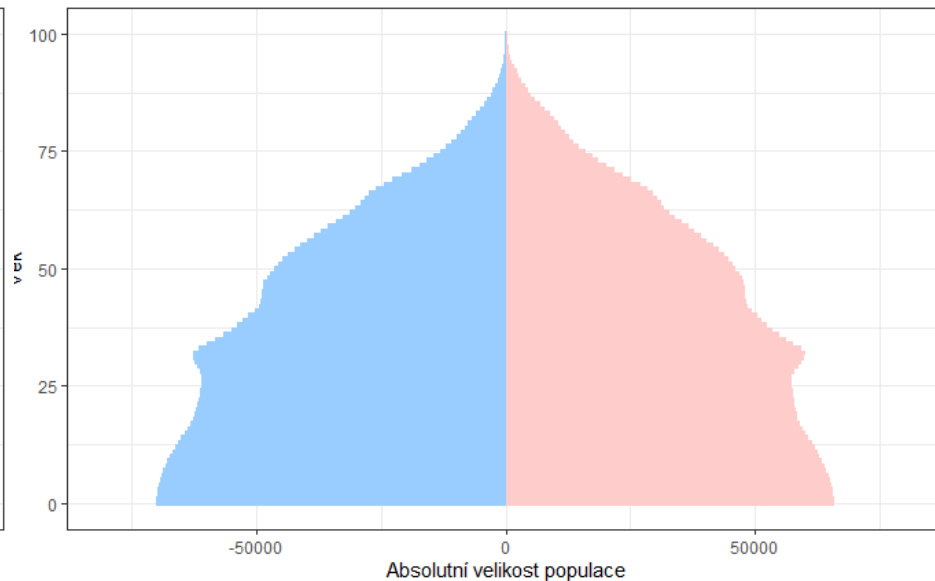
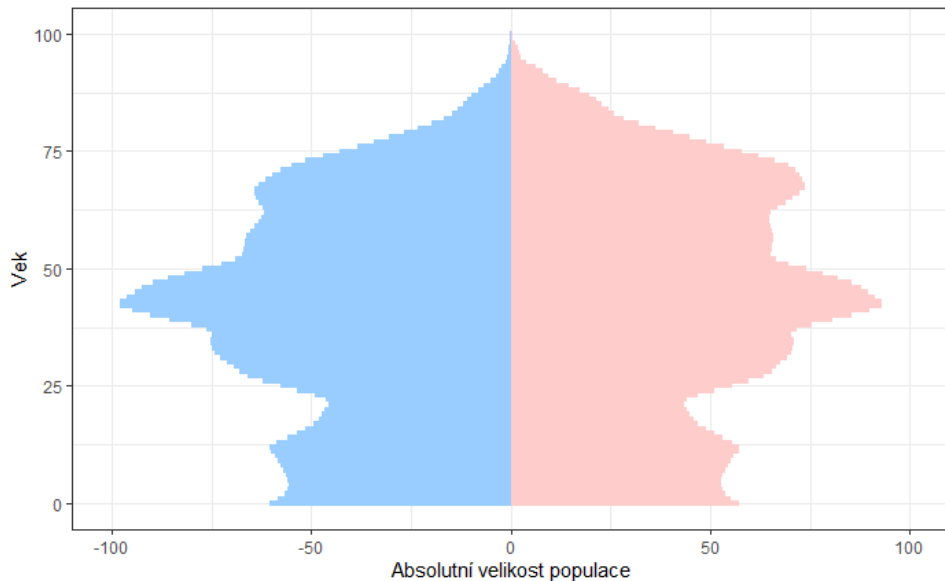


Populační pyramida

2020

Česko

Svět



10,7 milionu

7,8 miliardy

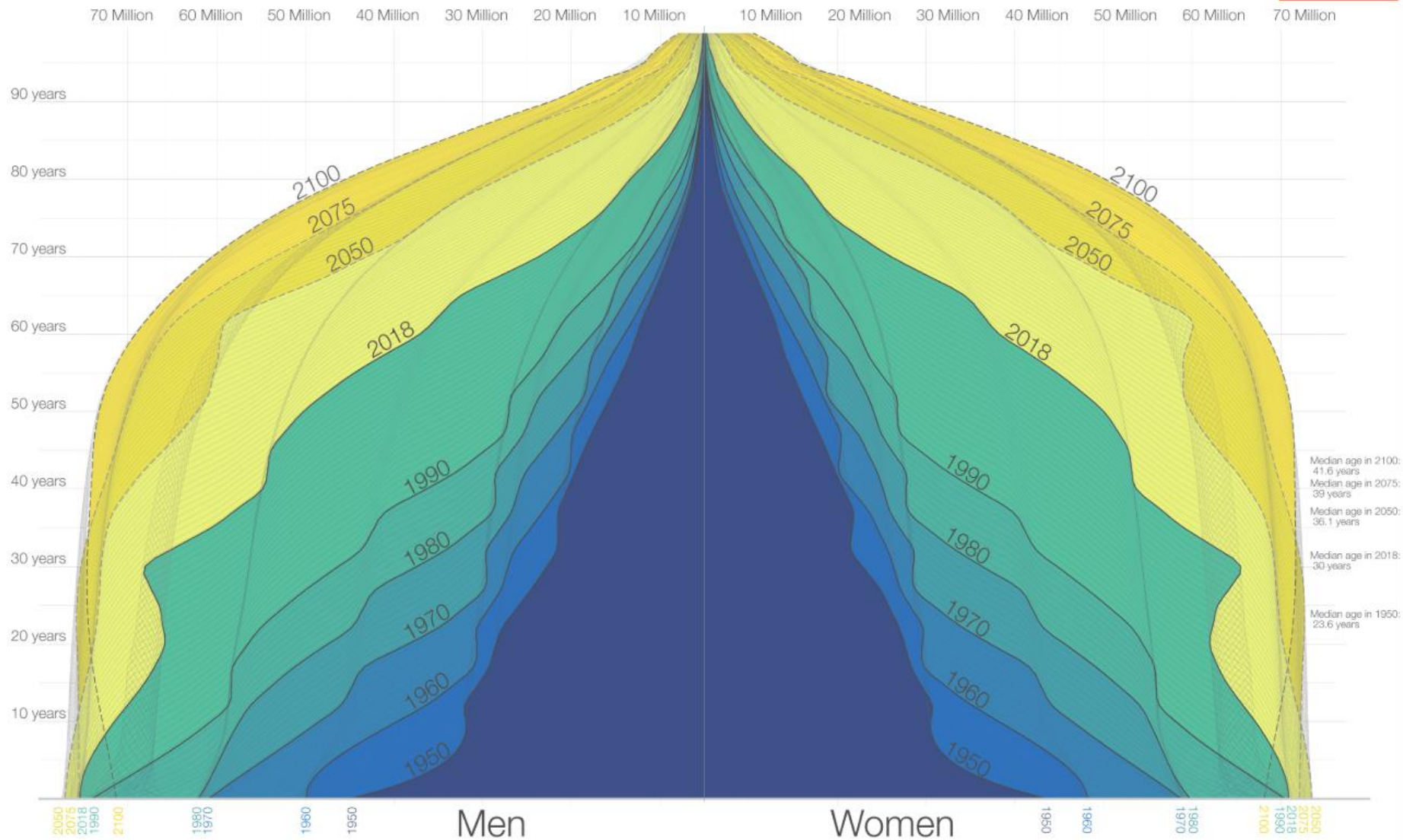
0,14 % světové populace

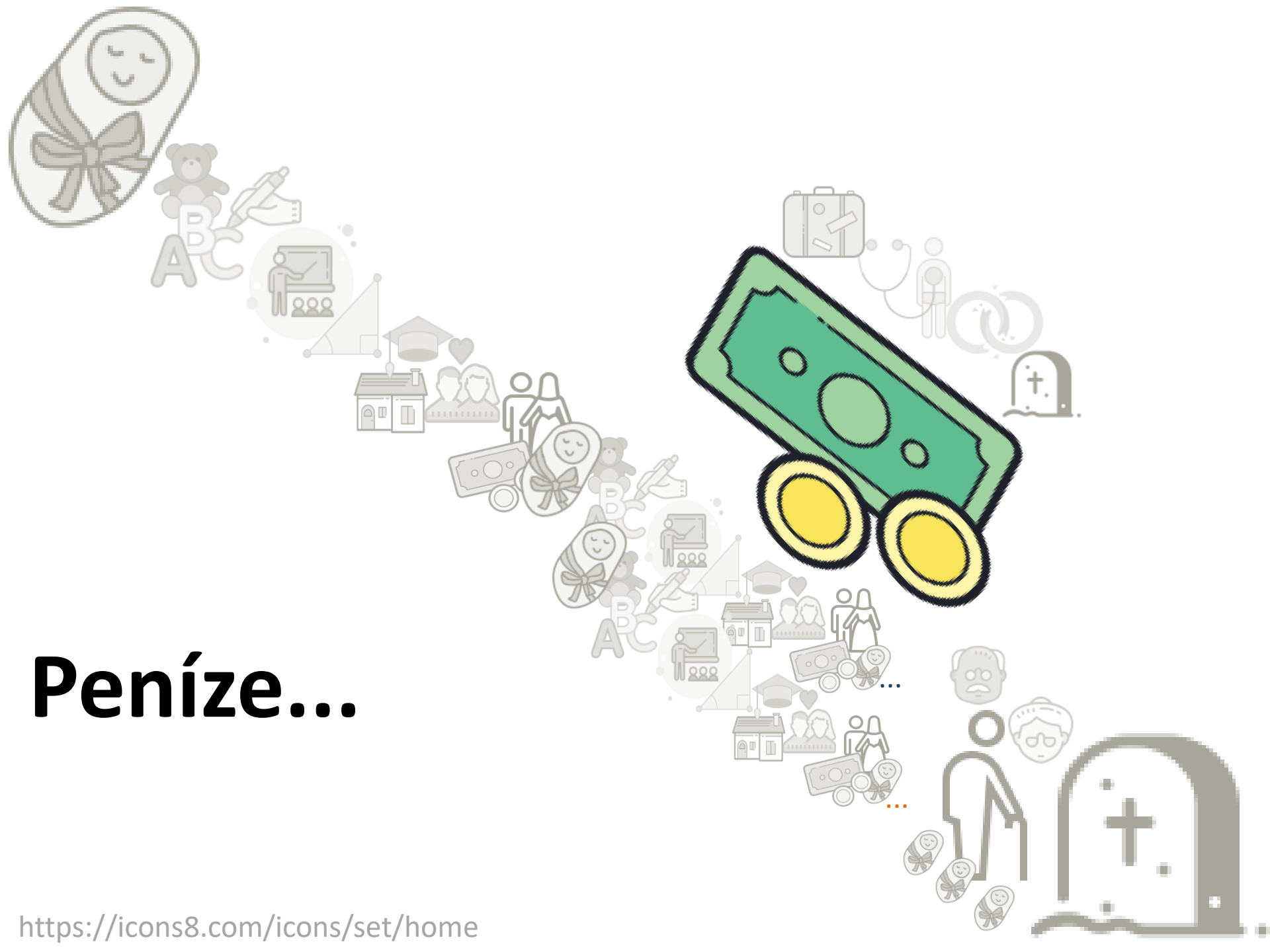
Populační pyramida

The Demography of the World Population from 1950 to 2100

Shown is the age distribution of the world population – by sex – from 1950 to 2018 and the *UN Population Division's* projection until 2100.

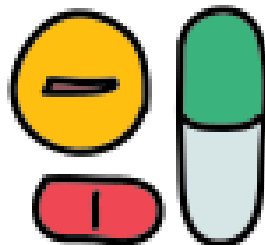
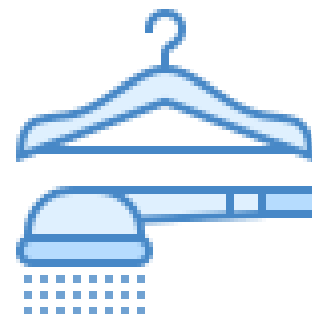
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in Data



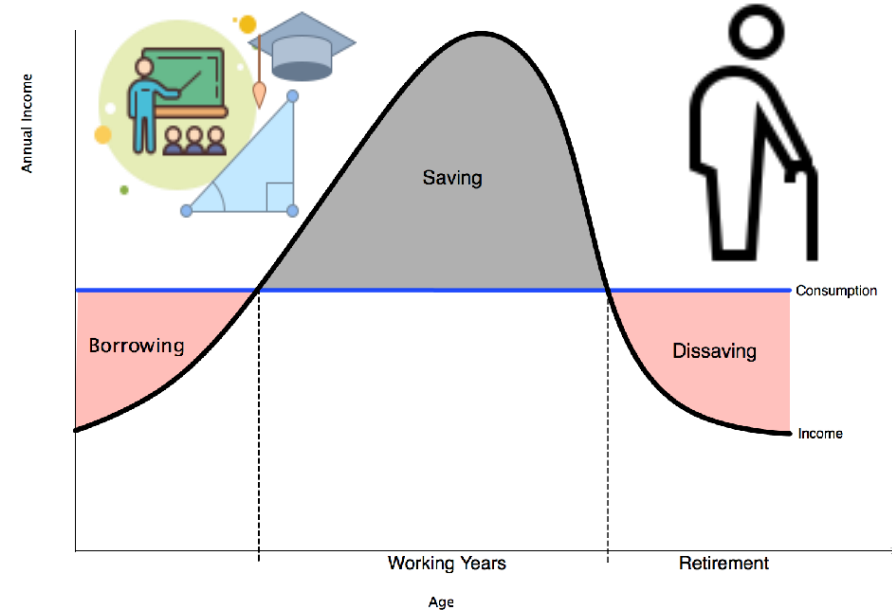


Peníze...

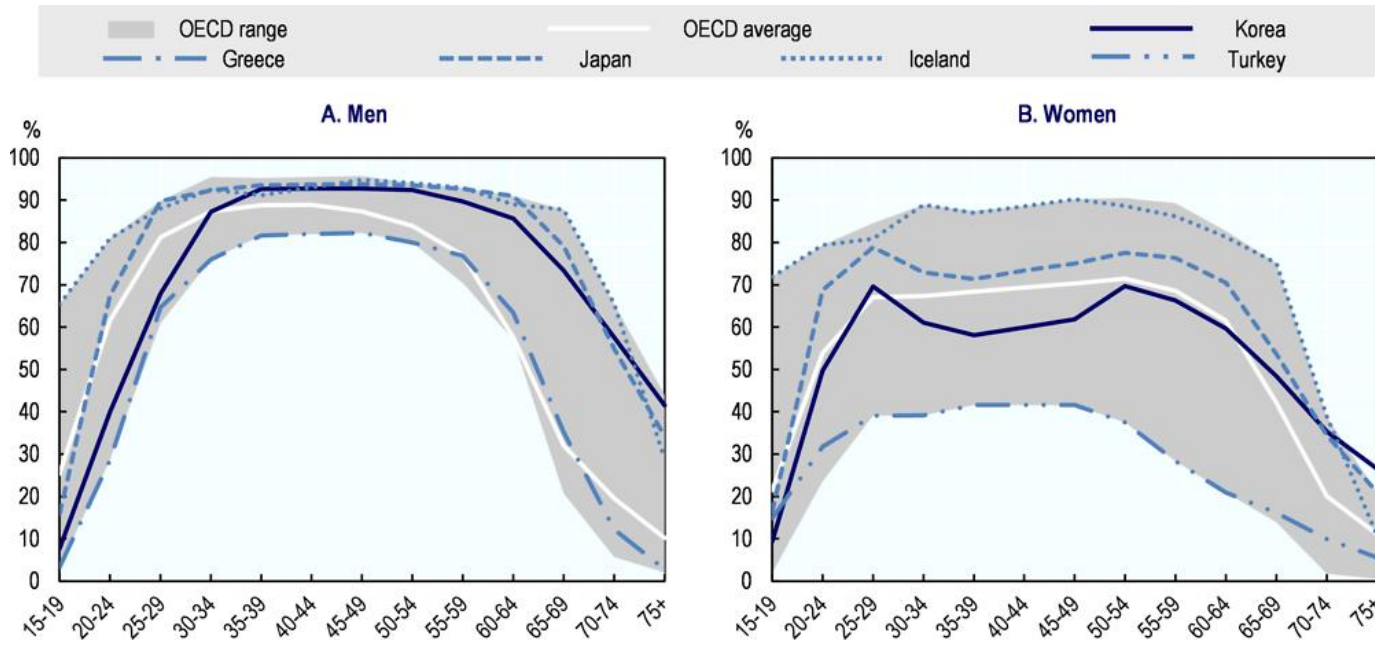
Na co potřebujeme peníze?



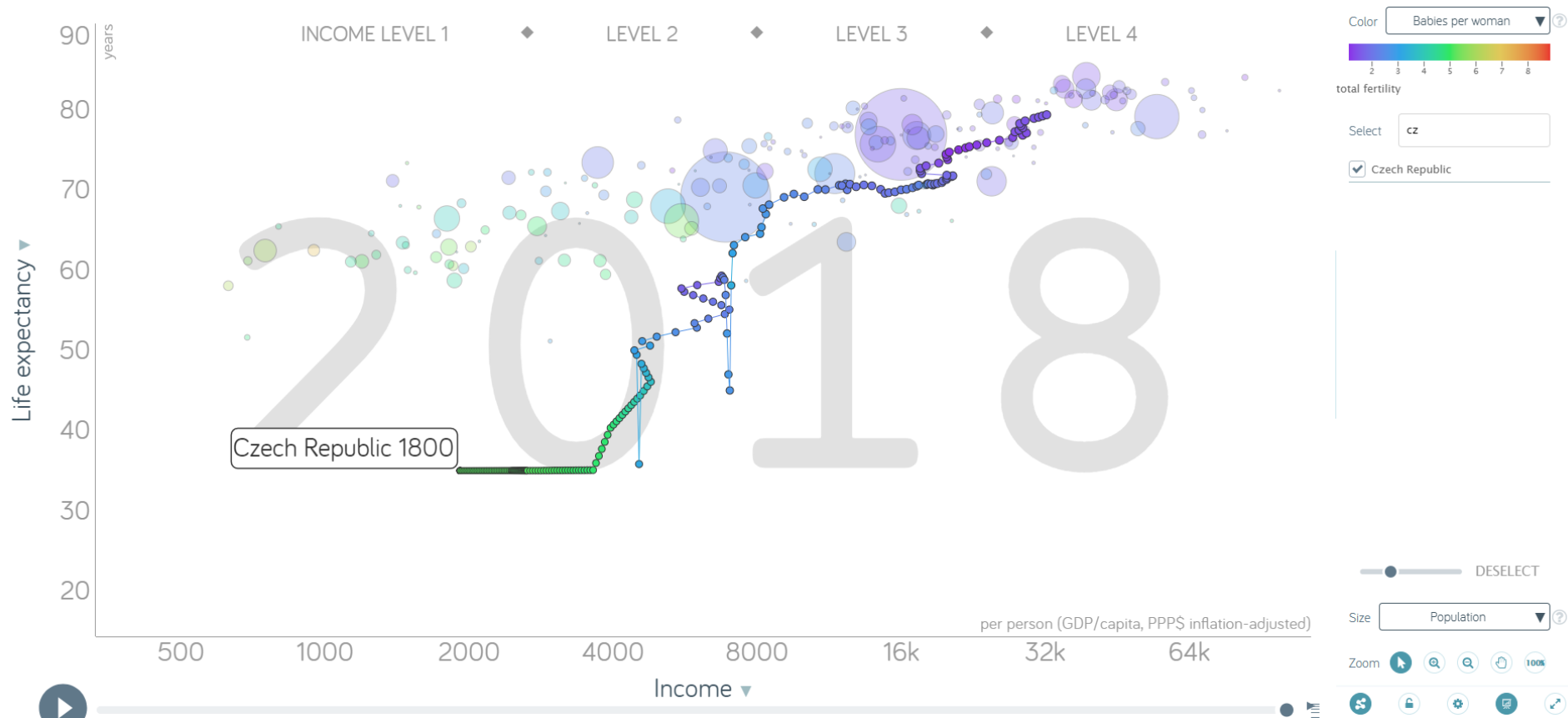
Kdy vyděláváme peníze?



Míra zaměstnanosti v zemích OECD

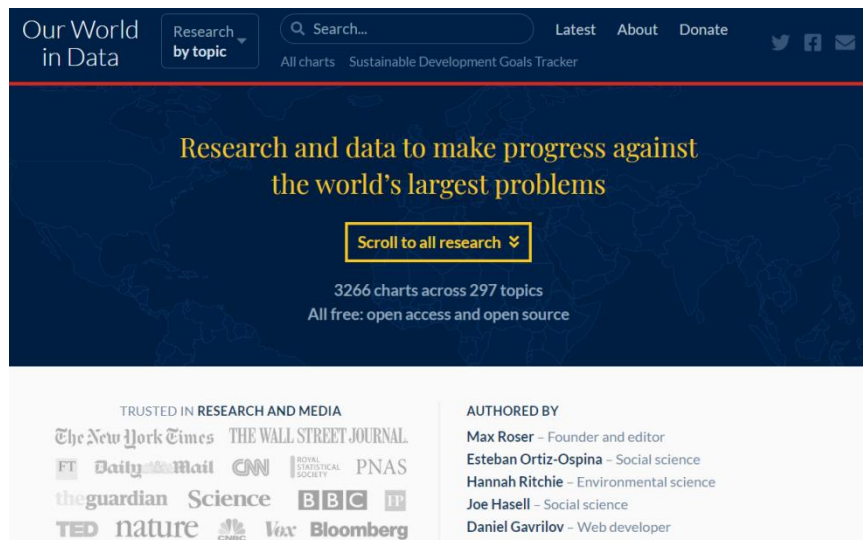


Rozdíly ve příjmech jako jeden z determinantů demografických procesů: gapminder



Více demografie ...

- <https://ourworldindata.org>
- <https://www.gapminder.org>



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Welcome to Dollar Street

– where country stereotypes fall apart

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Dollar Street