

Bocconi

DINAMICHE GLOBALI: DOMANI È GIÀ OGGI



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Francesco C. Billari

La rotta

- **Demografia lenta e futuro**
- **Capitale umano**
- **Demografia veloce ?**





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- Alfred Sauvy (“La population” 1957): “la lancetta corta dell’orologio è la più importante, anche se sembra immobile. La lentezza dei fenomeni demografici li rende carichi di conseguenze, pur tenendoli nascosti all’attenzione dei contemporanei, che li subiscono”.



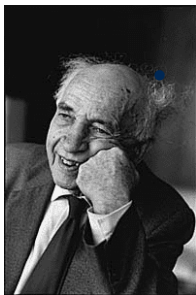
- In particolare:
 - la **politica** si muove con la lancetta dei secondi
 - l’**economia** si muove con la lancetta dei minuti
 - la **demografia** si muove con la lancetta delle ore

Conseguenza:

- The near-term demographic future is “**the next 5 to 20 years**” (Demeny, 1984)



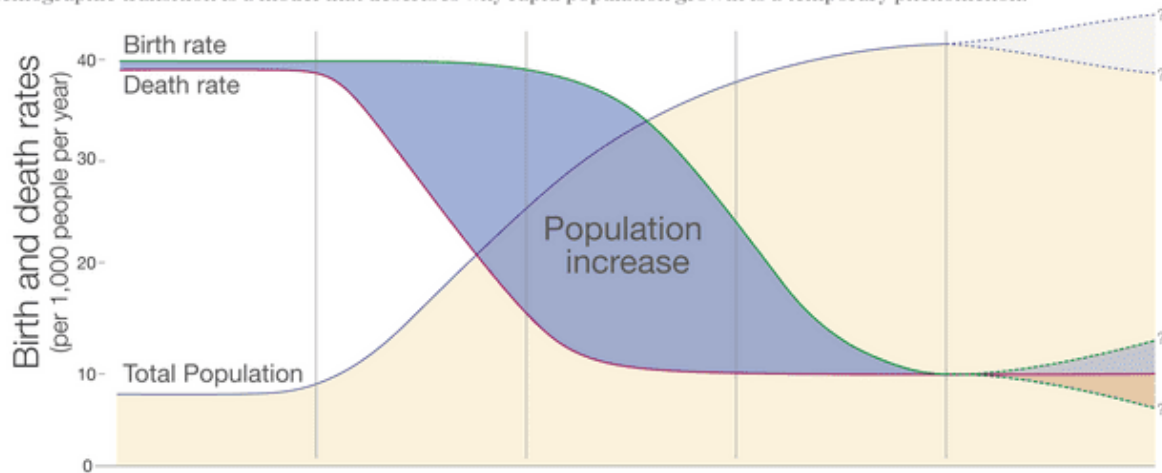
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The five stages of the demographic transition

Our World
in Data

The demographic transition is a model that describes why rapid population growth is a temporary phenomenon.



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Birth rate	High	High	Falling	Low	Yet to be seen possibly falling further, possibly rising again
Death rate	High	Falling rapidly	Falling slowly	Low	Low
Population change	Stable or slowly increasing	Rapidly increasing	Increase slows down	Falling and then stable	Little change
Population pyramid					
	Men Women	Men Women	Men Women	Men Women	Men Women

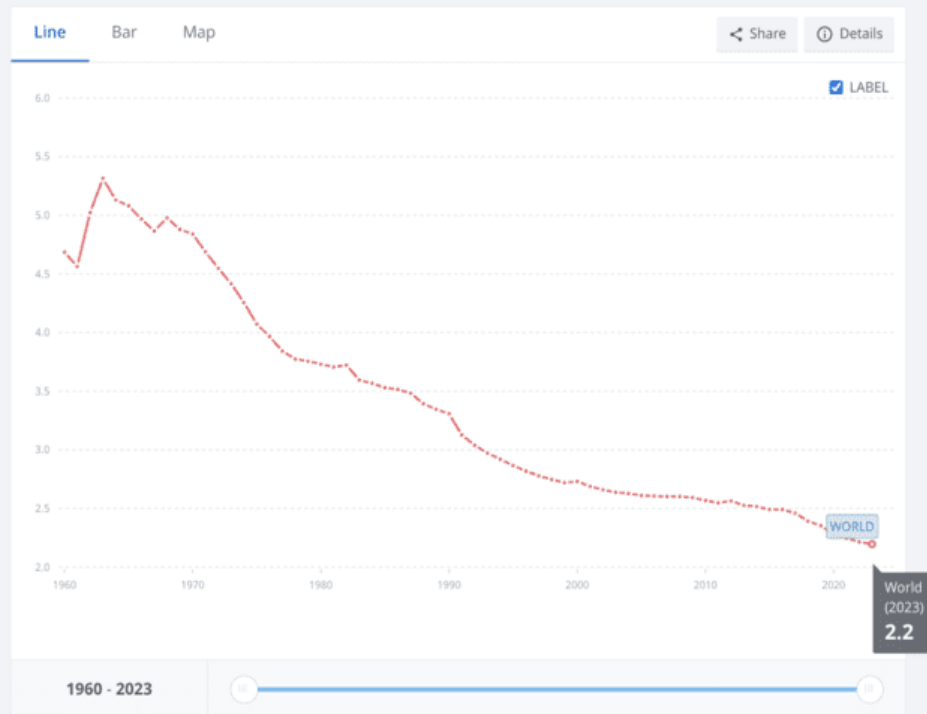


Fonte: World Bank

Fertility rate, total (births per woman)

(1) United Nations Population Division. World Population Prospects: 2024 Revision; (2) Statistical databases and publications from national statistical offices; (3) Eurostat: Demographic Statistics.

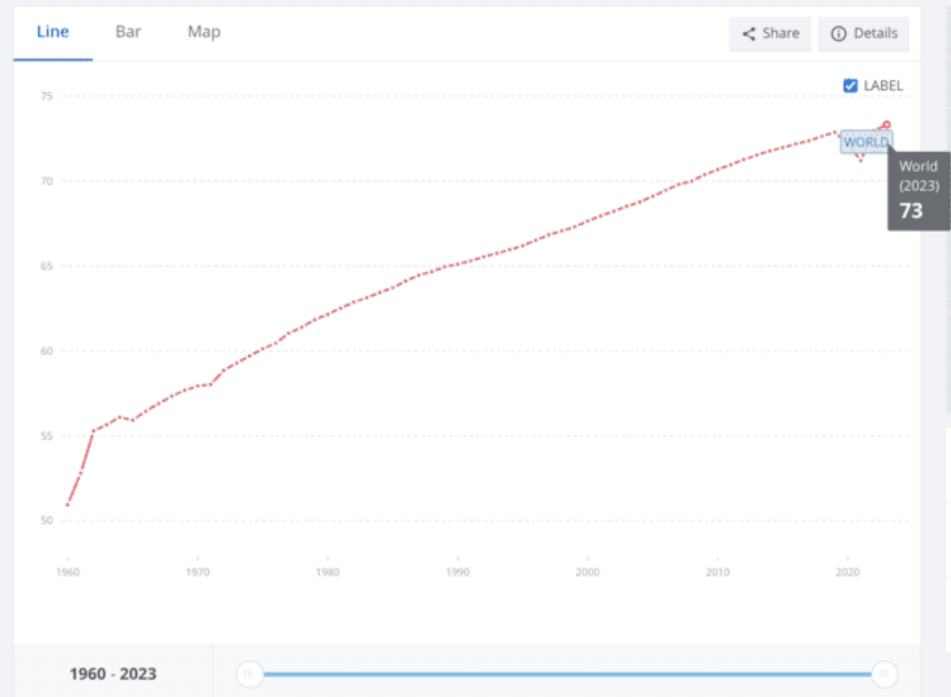
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Life expectancy at birth, total (years)

(1) United Nations Population Division. World Population Prospects: 2024 Revision; or derived from male and female life expectancy at birth from sources such as: (2) Statistical databases and publications from national statistical offices; (3) Eurostat: Demographic Statistics.

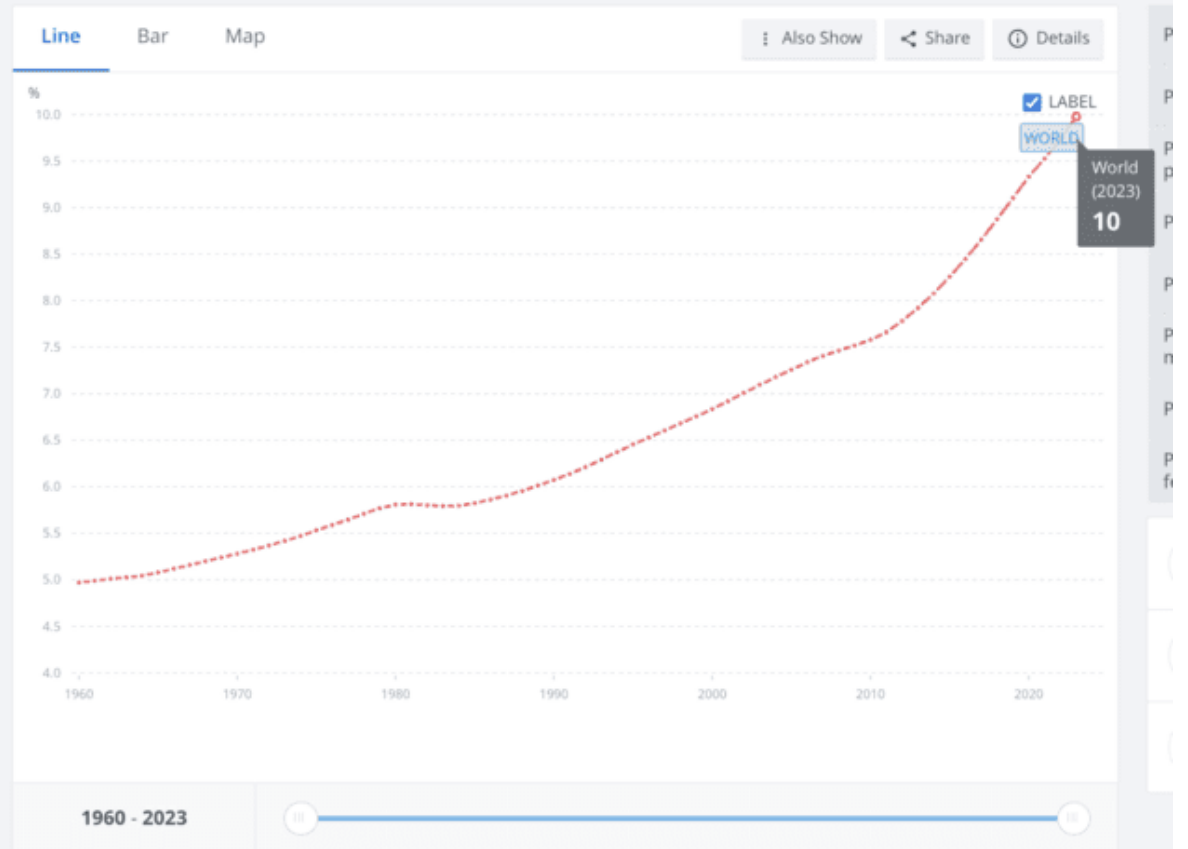
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Population ages 65 and above (% of total population)

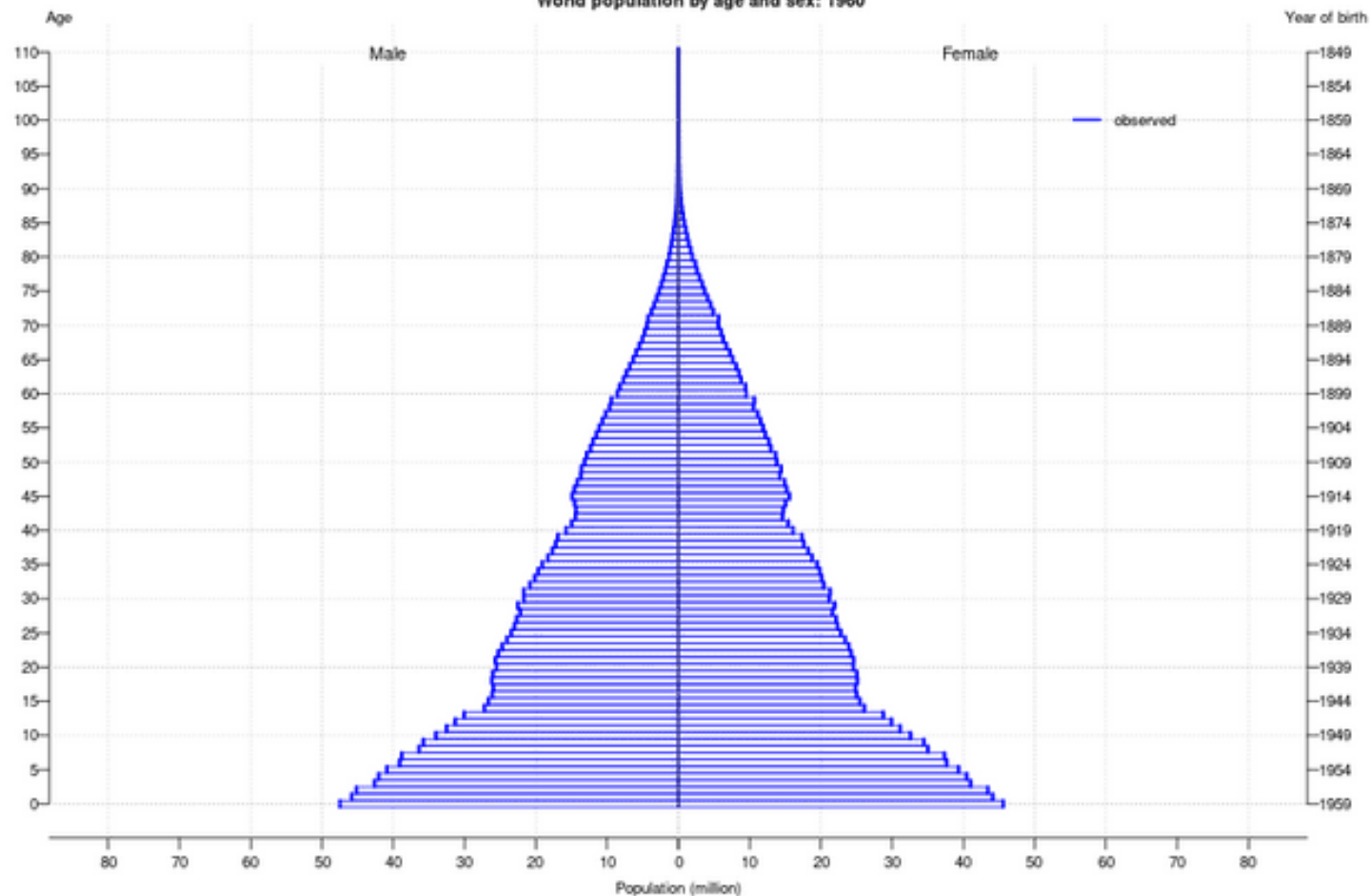
United Nations Population Division. World Population Prospects: 2024 Revision.

License : CC BY-4.0 [🔗](#)

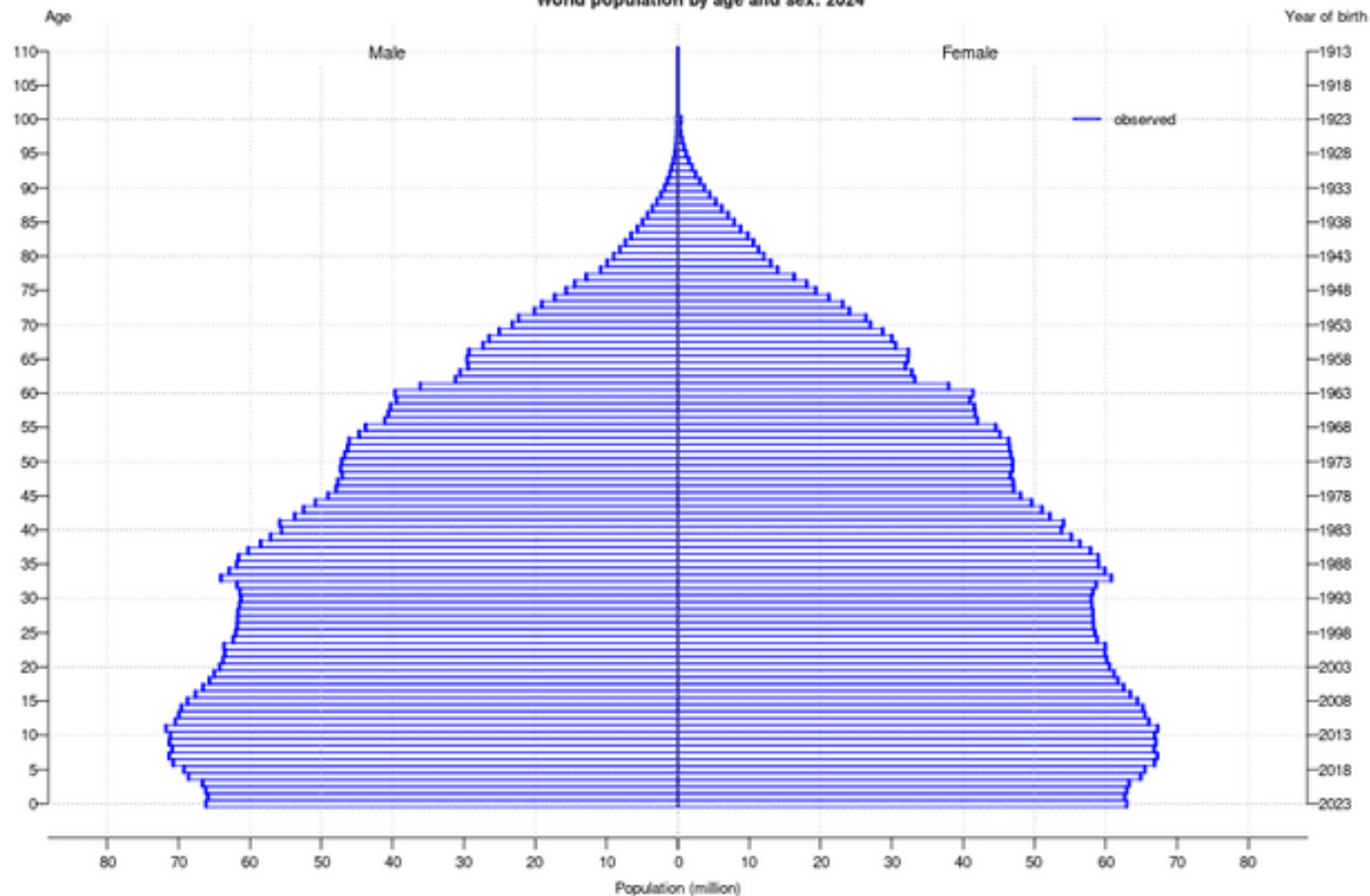


Fonte: World Bank

World population by age and sex: 1960



World population by age and sex: 2024





**United
Nations**

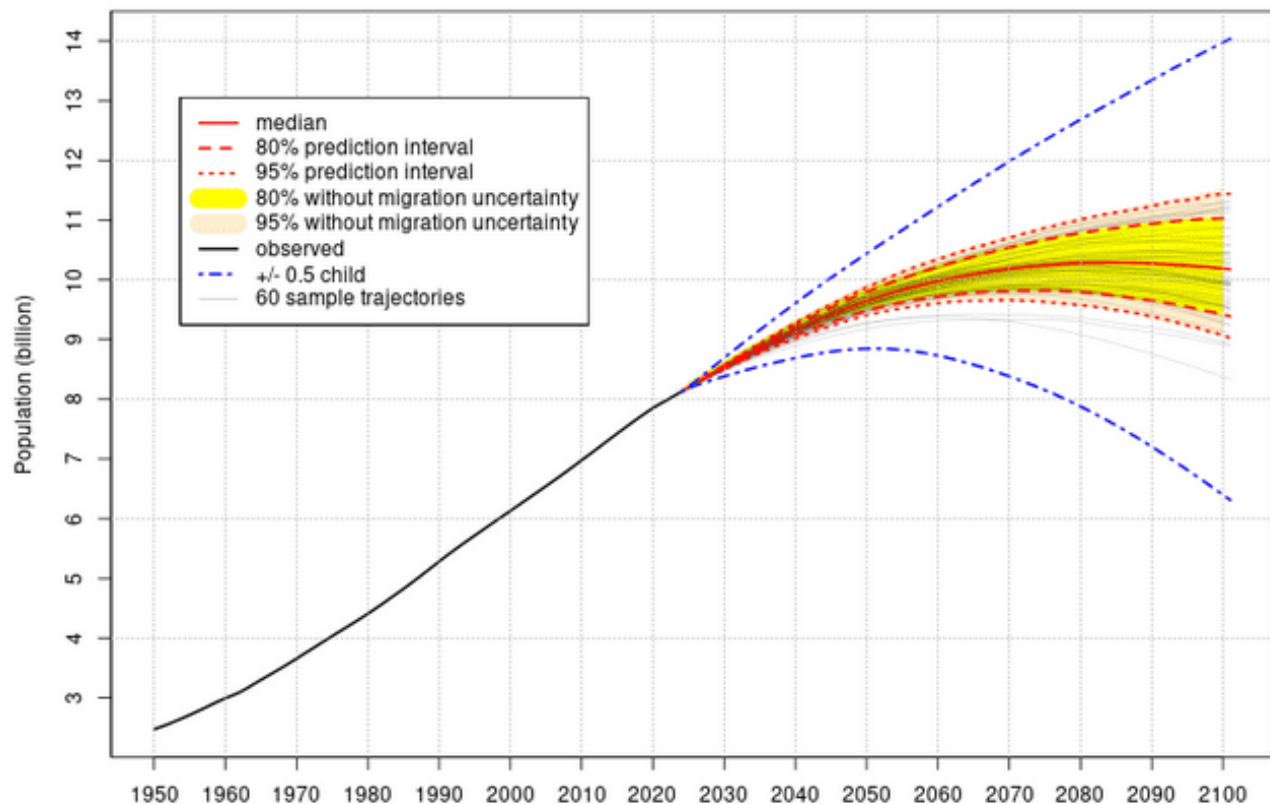
Department of
Economic and
Social Affairs

World Population Prospects 2024

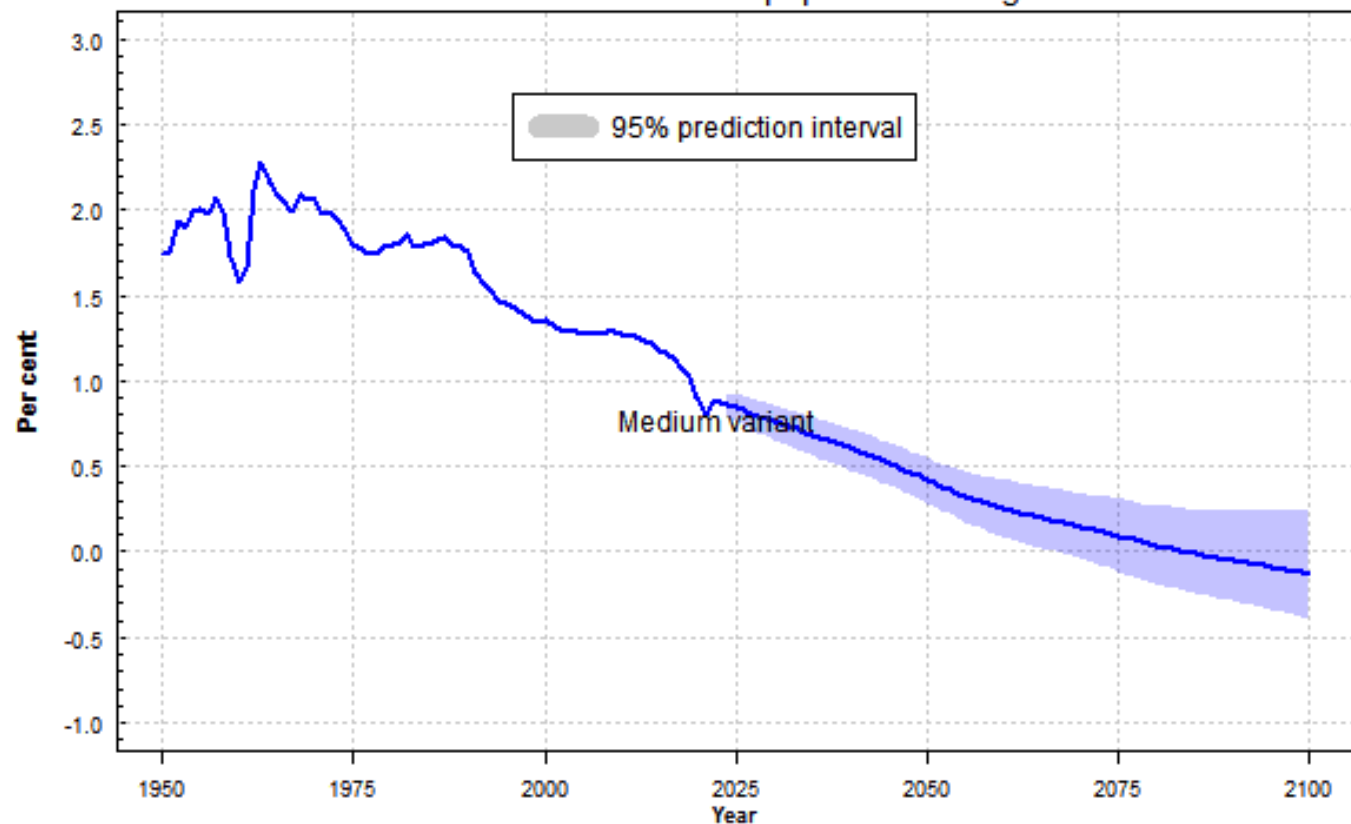
Summary of Results



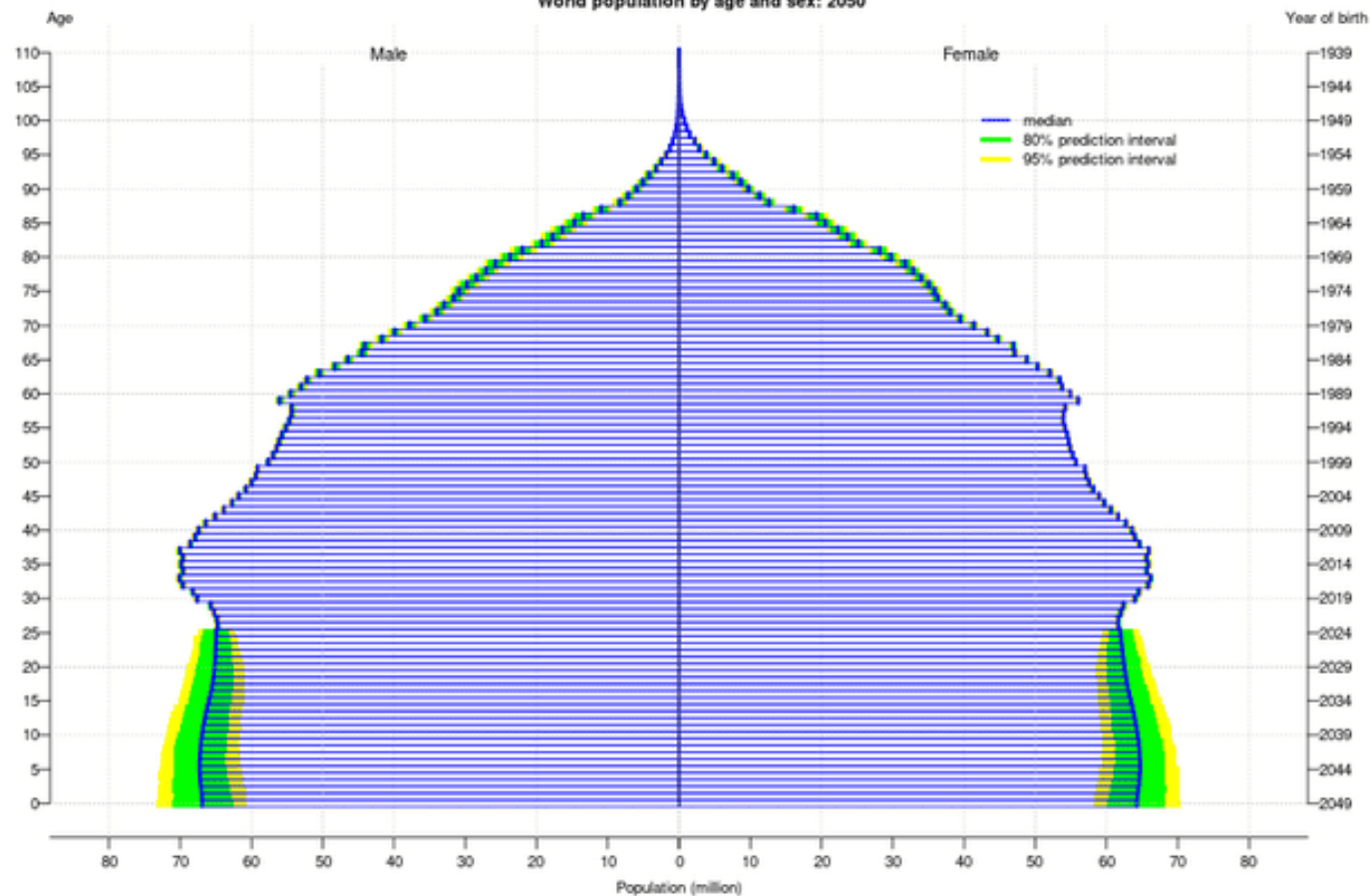
World: Total Population



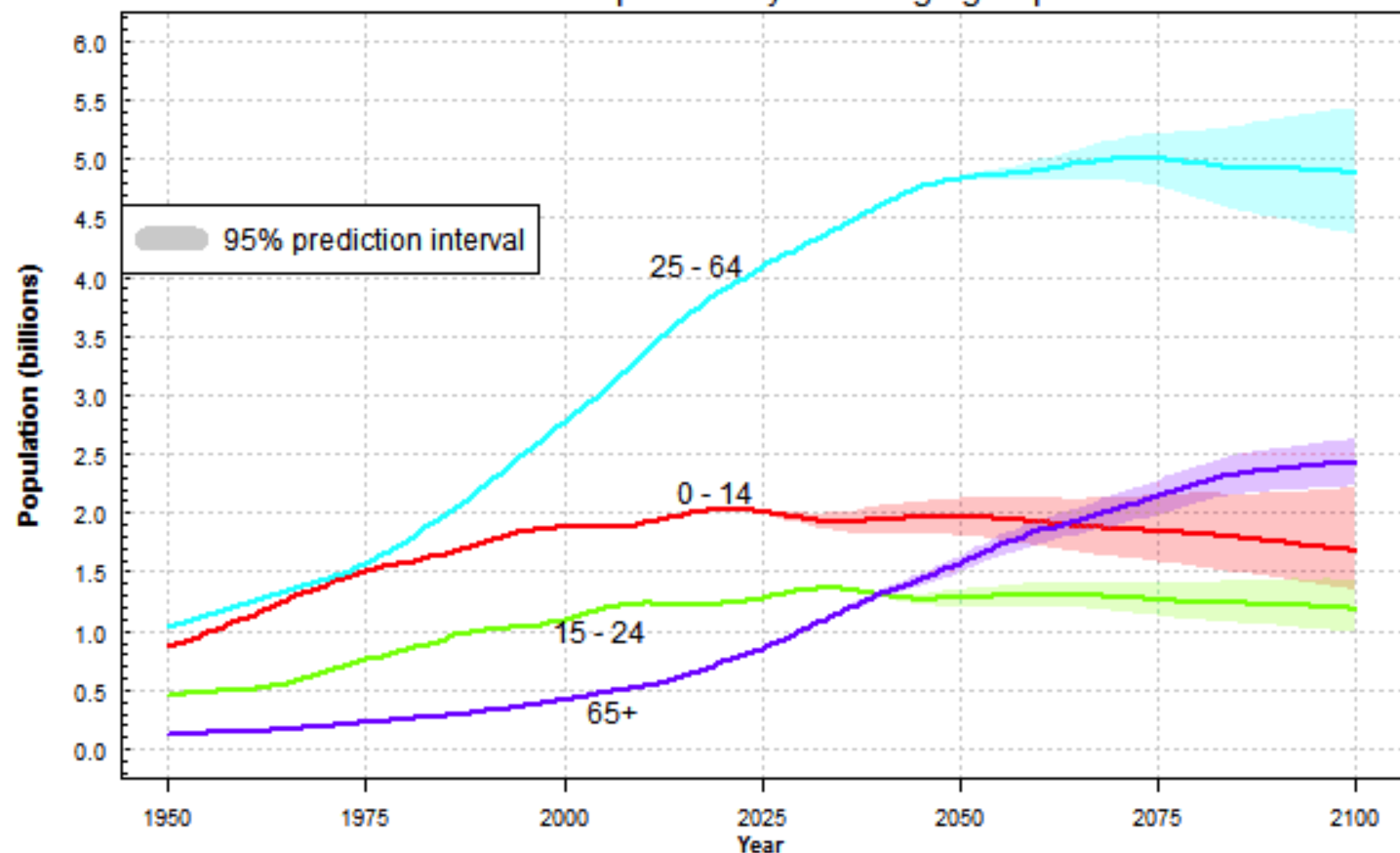
World: Annual rate of population change



World population by age and sex: 2050



World: Population by broad age groups



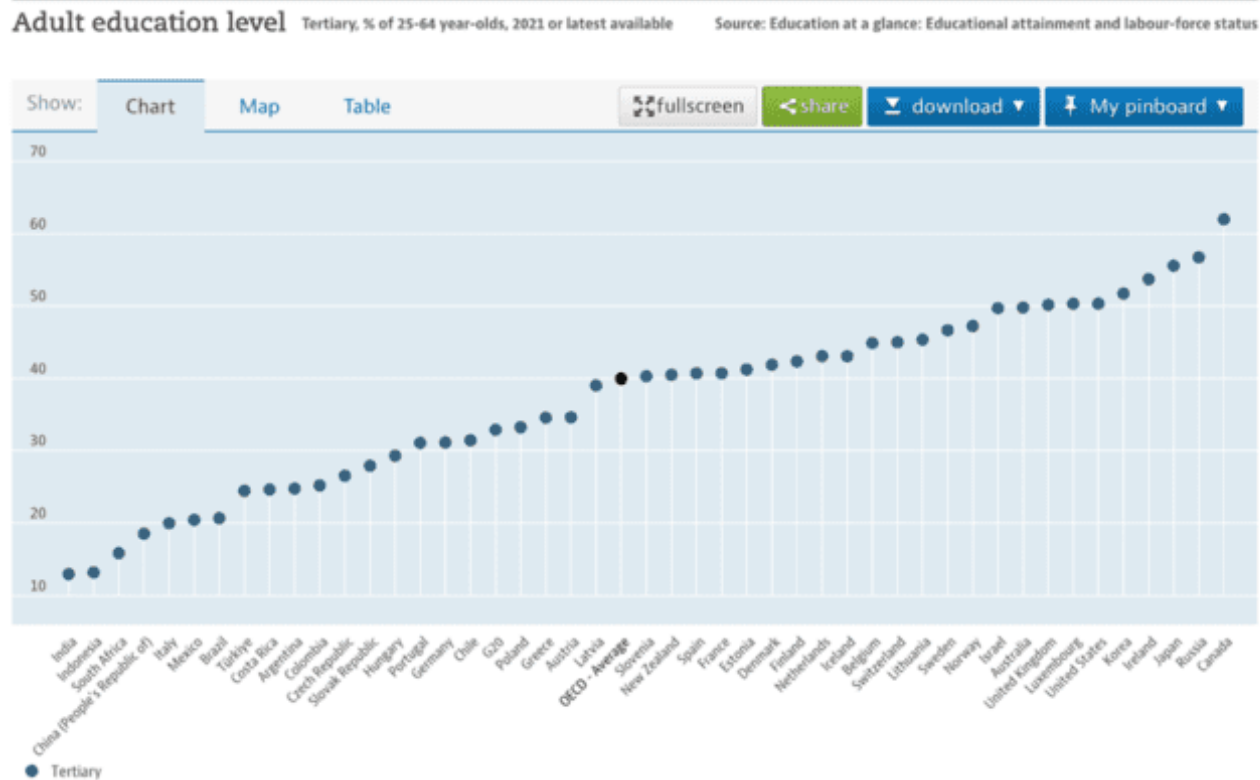
COUNTRIES BY POPULATION: TOP 10



Source: United Nations (2024a).
 Note: A blue arrow indicates that a country has the same rank in the two given years, a yellow arrow indicates that a country has increased in rank and a green arrow indicates that a country's ranking has fallen.

Capitale umano

OECD Data



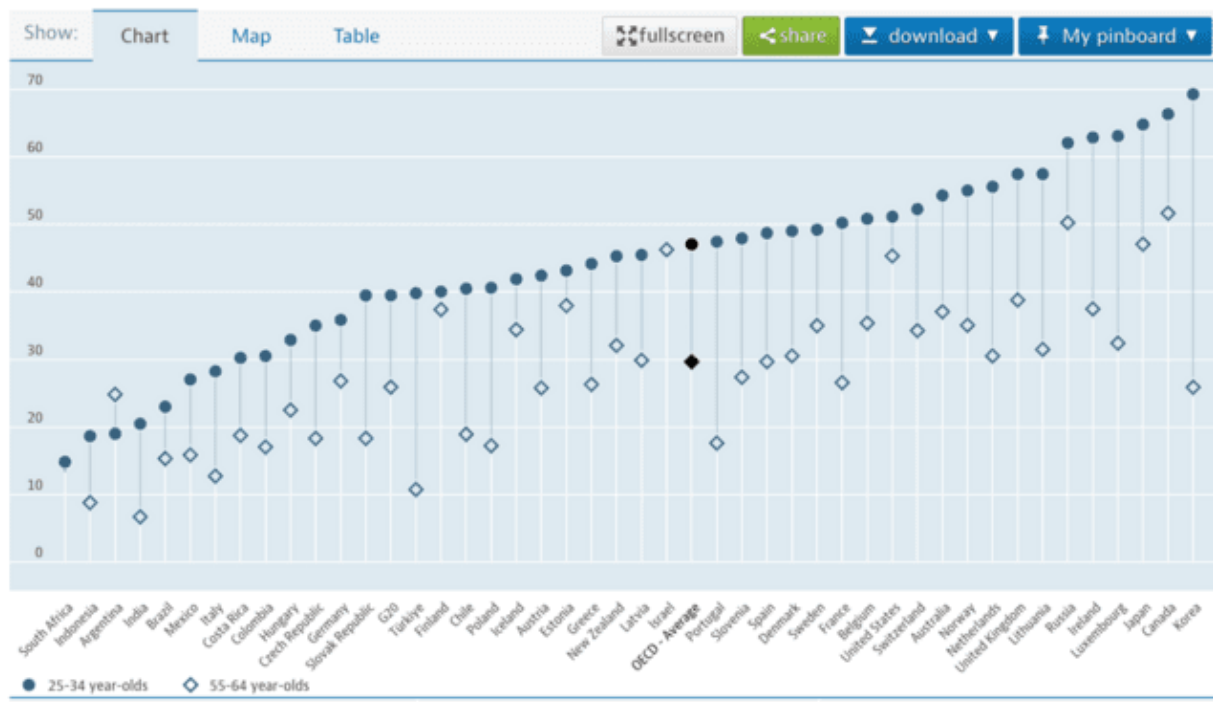
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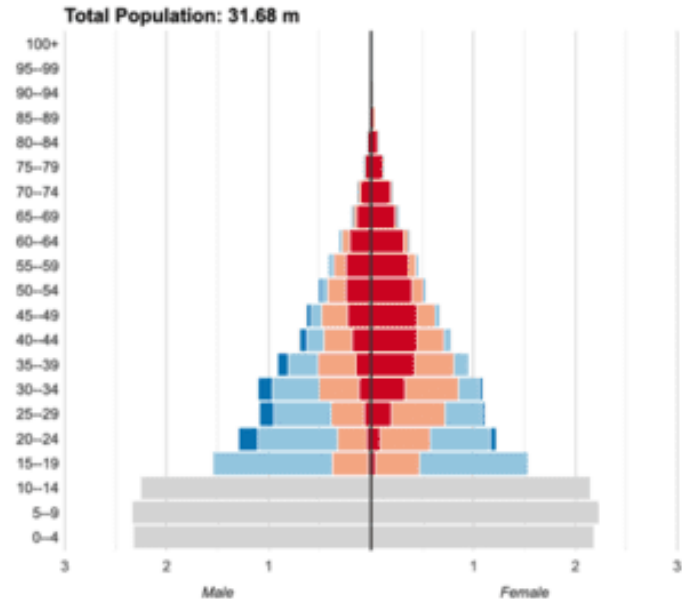
Population with tertiary education

25-34 year-olds / 55-64 year-olds, % in same age group, 2021 or latest available

Source: Education at a glance: Educational attainment and labour-force status



Corea: 1970-2020

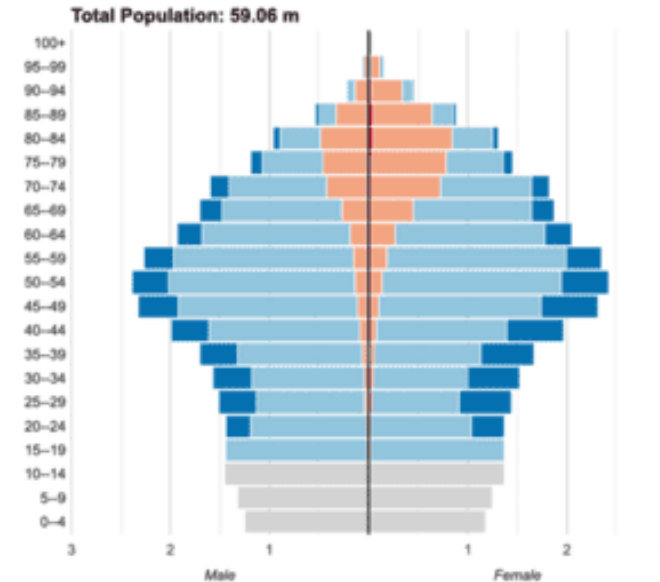
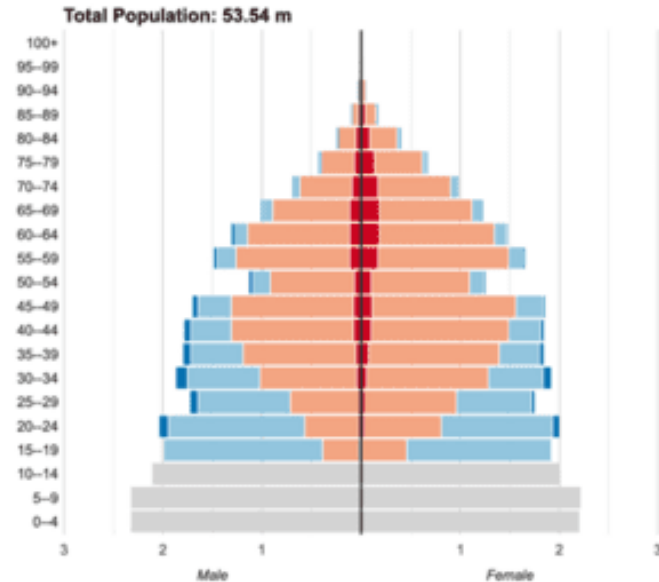


Fonte:
Wittgenst
ein Centre
Human
Capital
Graphic
Explorer

Italia: 1970-2020



Under 15 No Education Primary Secondary Post Secondary

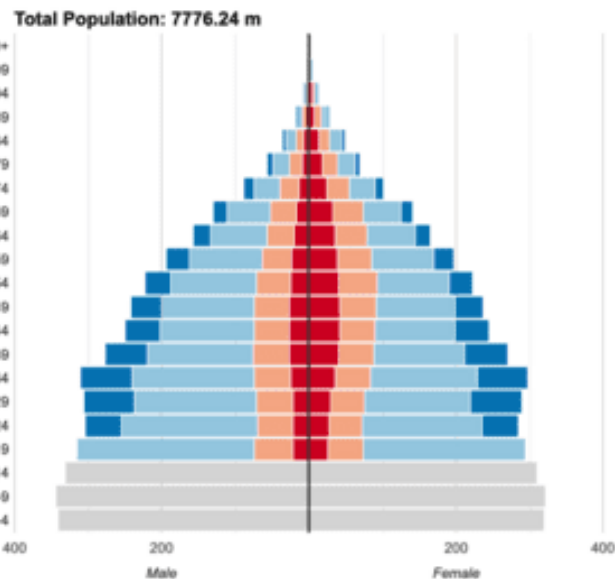
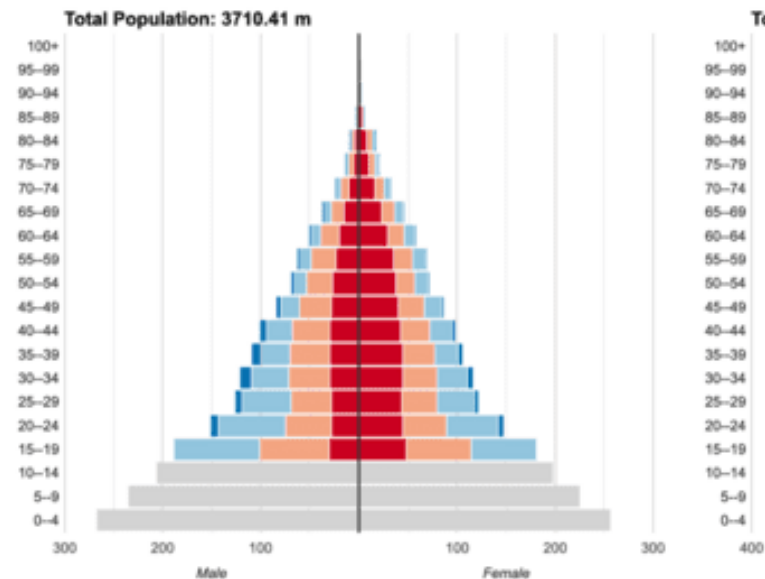


Fonte:
Wittgenst
ein Centre
Human
Capital
Graphic
Explorer

Mondo: 1970-2020

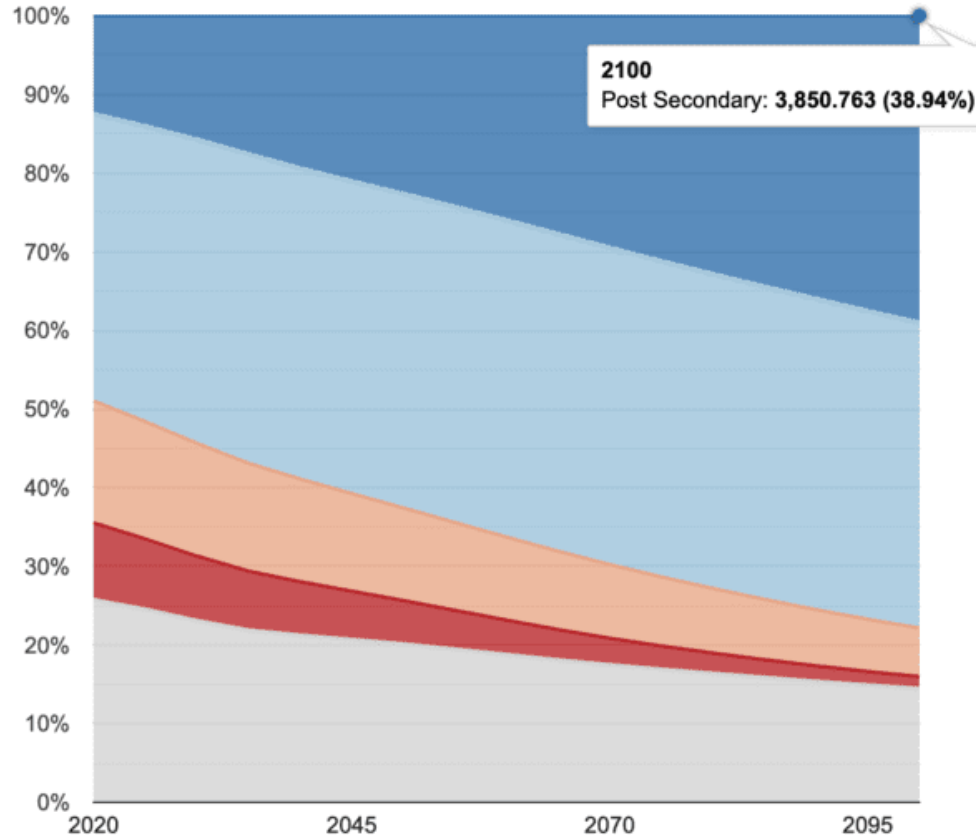


Under 15 No Education Primary Secondary Post Secondary



Fonte:
Wittgenst
ein Centre
Human
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Graphic
Explorer

Mondo: 2020-2100



Fonte:
Wittgenst
ein Centre
Human
Capital
Graphic
Explorer



Demografia veloce ?

- A livello nazionale e subnazionale, il futuro demografico dipende **fortemente** dall'andamento dei flussi migratori



Table 1. International migrants since 1970

Year	Number of international migrants	Migrants as a % of the world's population
1970	84 460 125	2.3
1975	90 368 010	2.2
1980	101 983 149	2.3
1985	113 206 691	2.3
1990	152 986 157	2.9
1995	161 289 976	2.8
2000	173 230 585	2.8
2005	191 446 828	2.9
2010	220 983 187	3.2
2015	247 958 644	3.4
2020	280 598 105	3.6

Source: UN DESA, 2008 and 2021a.

Note: The number of entities (such as States, territories and administrative regions) for which data were made available in the UN DESA International Migrant Stock 2020 was 232. In 1970, the number of entities was 135.

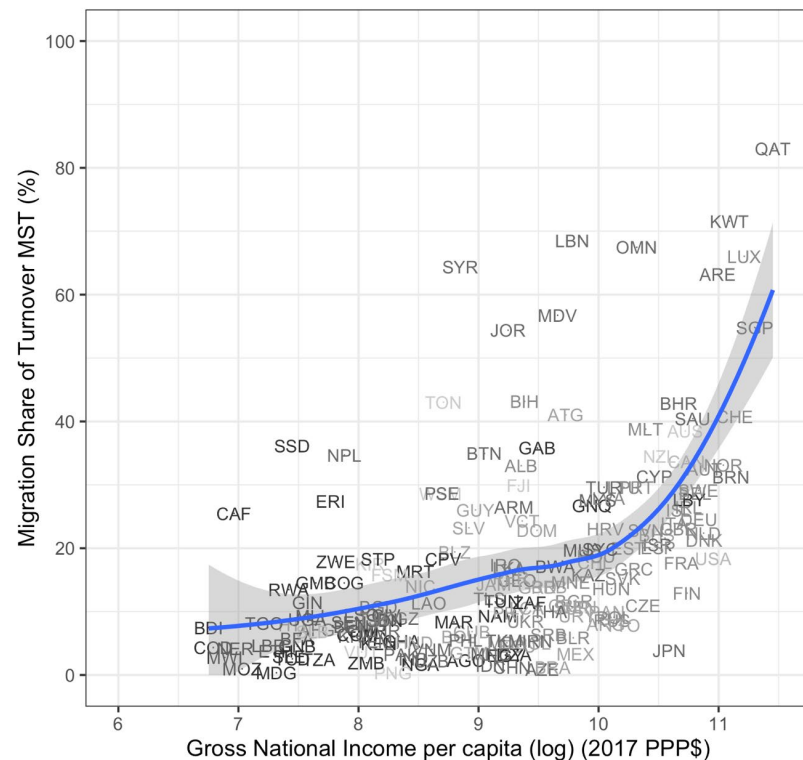
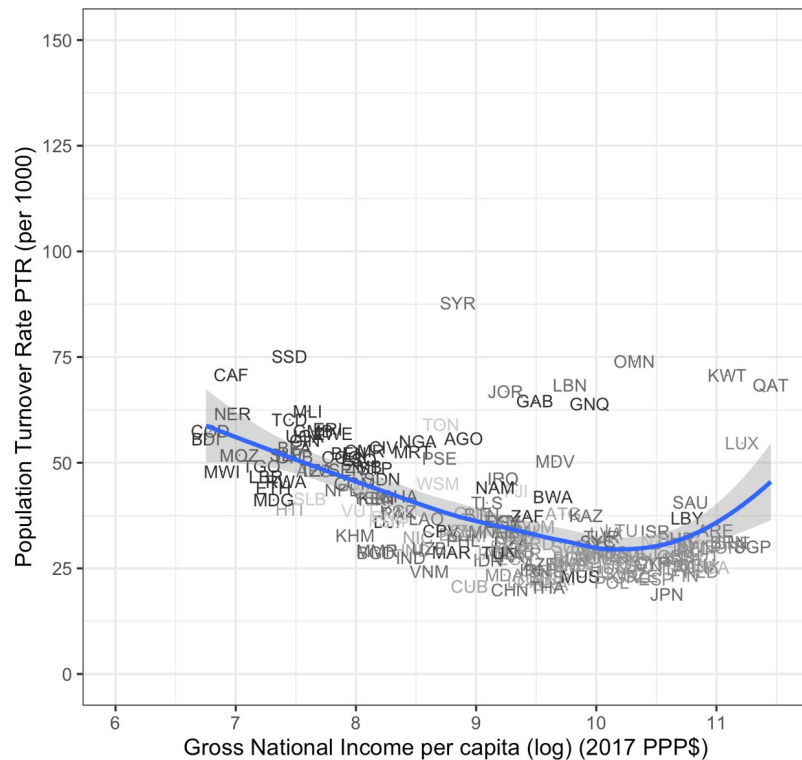
Anno	Nascite (migliaia)
2003	135 701
2004	136 596
2005	137 166
2006	138 469
2007	139 936
2008	141 759
2009	142 968
2010	143 354
2011	143 879
2012	146 055
2013	145 015
2014	145 268
2015	144 334
2016	144 854
2017	143 602
2018	140 333
2019	138 597
2020	134 720
2021	133 449
2022	132 475
2023	132 110

Numero di
nascite
(Globale)

Fonte: UN
World
Population
Prospects
2024



PTR (Population Turnover Rate). MST (Migration Share of Turnover), 2010 – 15



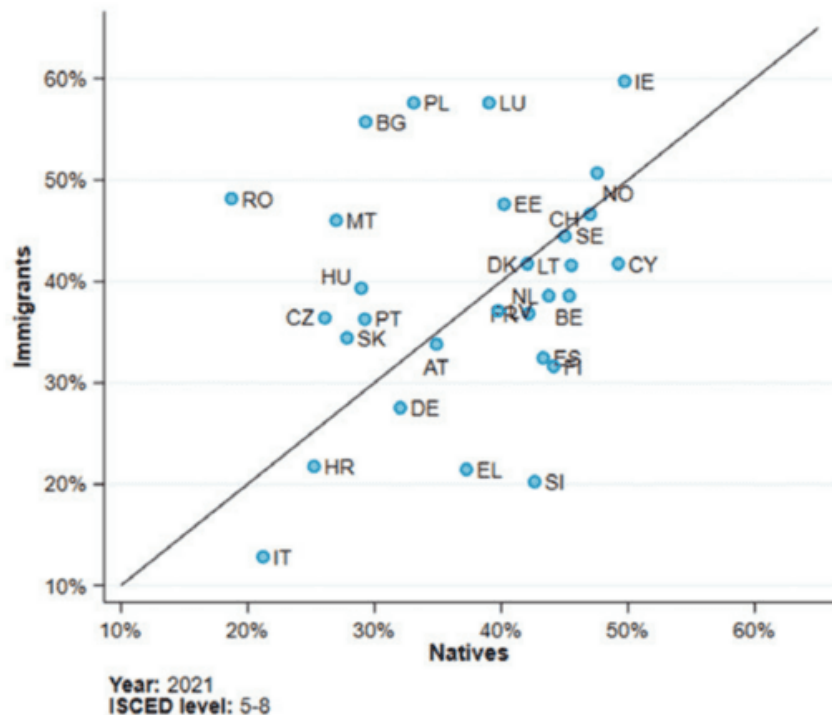
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Africa
 Europe
 Northern America
 Asia
 Latin America and the Caribbean
 Oceania

Africa
 Europe
 Northern America
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 Latin America and the Caribbean
 Oceania

Fonte: Billari 2022

Figure 4: Countries with more educated natives attract more educated immigrants
 Shares of immigrants and natives with tertiary education, by country (2021)



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CENTRO STUDI LUCA D'AGLIANO



Research
 Education
 Outreach
CCA

7th Migration Observatory Report:
 "Immigrant Integration in Europe"

Tommaso Frattini (University of Milan and LdA)
 with Piero Bertino (LdA)

Un territorio inesplorato



FRANCESCO BILLARI

Domani è oggi

Costruire il futuro
con le lenti della demografia

Grazie !



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