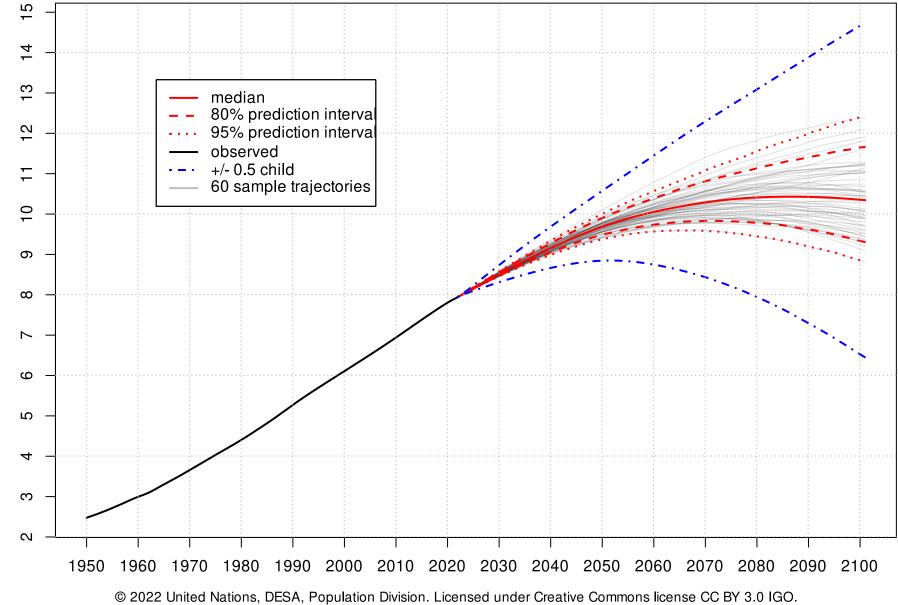


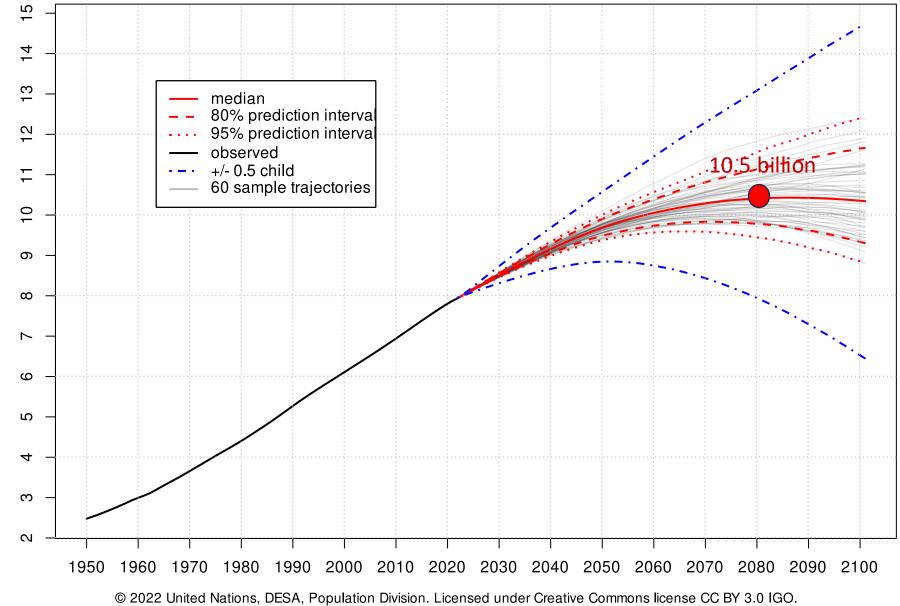
Global Population Growth

William Fisher October 2024



Population (billion)

United Nations, DESA, Population Division. *World Population Prospects 2022*. http://population.un.org/wpp/



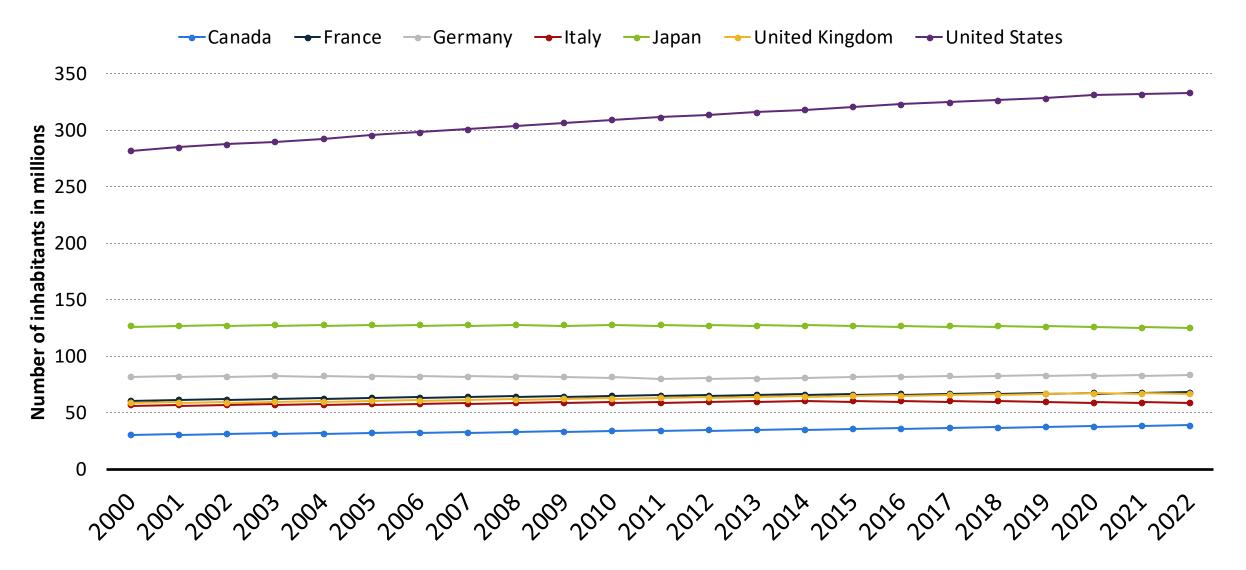
Population (billion)

United Nations, DESA, Population Division. World Population Prospects 2022. http://population.un.org/wpp/



2 3 5? 4 Stage High stationary Early expanding Late expanding Low stationary Declining? Birth rate 40-2 Death rate 30-Birth and death Natural 20rates increase (per 1000 people Natural per year) decrease 10-2 Total population 2 0 Examples A few remote groups Egypt, Kenya, India Brazil USA, Japan France, UK Germany Birth rate High High Falling Very low Low Death rate High Falls rapidly Falls more slowly Low Low Natural Stable or Stable or Very rapid increase Increase slows down Slow decrease slow increase increase slow increase Reasons for Many children needed for farming. Many Improved medical Family planning. Good health. children die at an early age. Religious/social changes in care and diet. Fewer Improving status of women. birth rate encouragement. No family planning. children needed. Later marriages. Reasons for Disease, famine. Poor Improvements in medical care, water supply Good health care. changes in medical knowledge and sanitation. Fewer children die. Reliable food supply. death rate so many children die.

Number of inhabitants in G7 countries from 2000 to 2022, by country

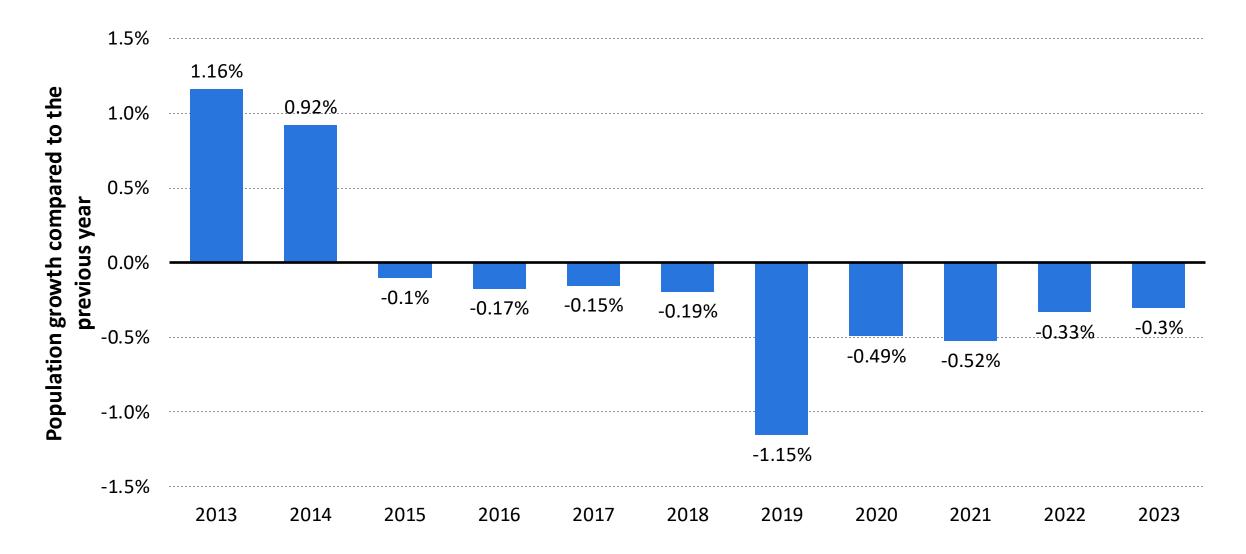




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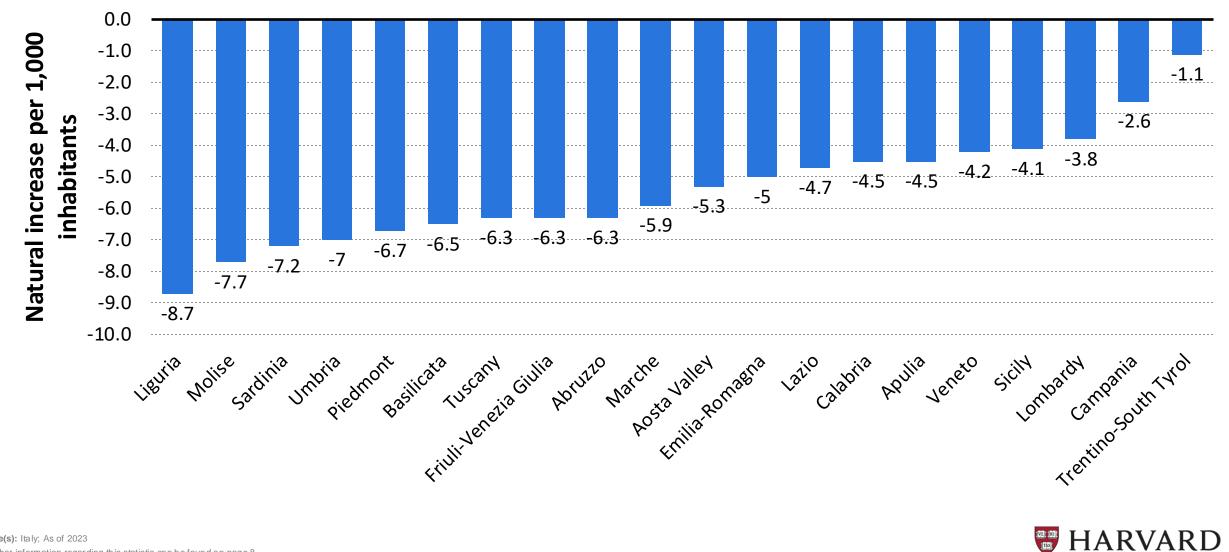
Note(s): Worldwide, Canada, France, Germany, Italy, Japan, United Kingdom, United States; 2000 to 2022 Further information regarding this statistic can be found on page 8. Source(s): World Bank; <u>ID 1372441</u>

Italy: Population growth from 2013 to 2023





Natural growth rate of population in Italy in 2023, by region

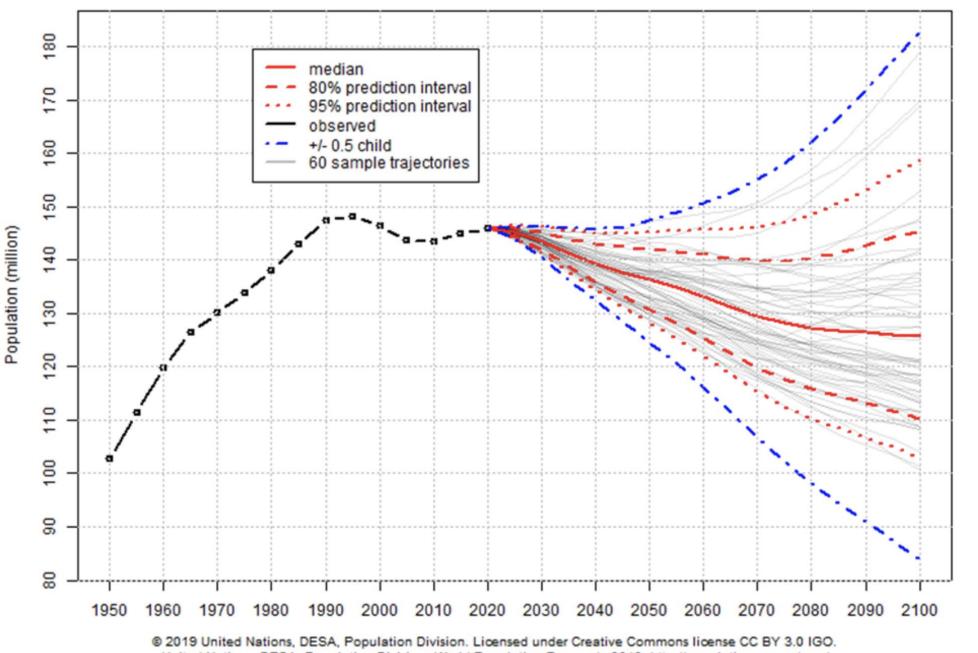


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Russian Federation: Total Population



Source: https://warontherocks.com/2020/02/russian-demographics-and-power-does-the-kremlin-have-a-long-game/



Proposed Russian legislation (September 28, 2024)

"Lawmakers have proposed a ban on "propaganda of conscious refusal to bear children," Vyacheslav Volodin, the speaker of the lower house of parliament and an ally of President <u>Vladimir Putin</u>, said in a post on Telegram on Tuesday....

"In July, Kremlin spokesman Dmitry Peskov called Russia's declining birth rate 'catastrophic for the future of the nation.'...

"The bill would tackle what Volodin said was the promotion of the "ideology of childlessness" and the "childfree movement" on the internet, in the media, in movies and even in advertisements, citing what he said where frequent online displays of "disrespect for motherhood and fatherhood, aggression toward pregnant women and children, and members of large families."

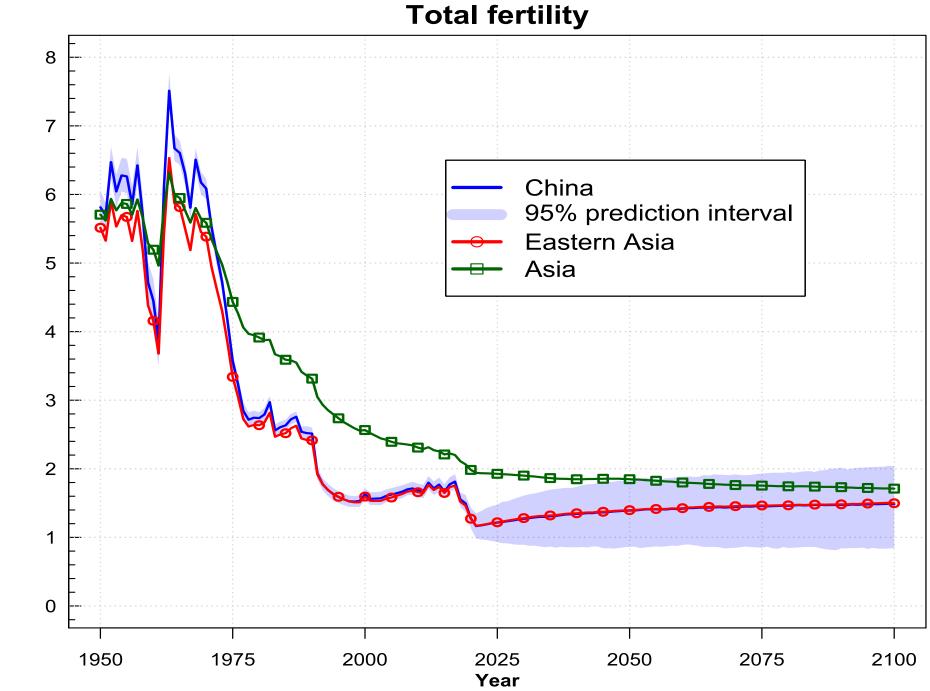
It will come with heavy fines, he said, of up to \$4,300 for individuals and more than \$53,000 for legal entities. "A close-knit and large family is the basis of a strong state," Volodin added.

"A woman's purpose is to procreate — this is an absolutely unique natural gift<u>,'Putin said in March</u>. Earlier this month, he said the government was creating conditions for women to achieve professional success while remaining 'the real soul of a large family.' Combining the two is no easy task, the Russian leader said, 'but our women know how to do it and remain beautiful, gentle and charming under such stress.'"

Source: https://www.nbcnews.com/news/world/russia-proposes-ban-child-free-lifestyle-rcna172616



Impact of Compulsory Reduction in Fertility in China



Source: https://population.un.org/wpp/Graphs/DemographicProfiles/Line/913

Live births per woman





Propaganda artwork in Miyun, a district of Beijing, depicting a couple with three children and including slogans promoting childbearing.

Andrea Verdelli for The New York Times, https://www.nytimes.com/2024/10/08/world/asia/china-women-children-abortions.html



"Officials are not just going door to door to ask women about their plans. They have partnered with universities to develop courses on having a "positive view of marriage and childbearing." At high-profile political gatherings, officials are spreading the message wherever they can....

"At the very least, the in-your-face approach makes it harder for women to tune out calls by China's leader, Xi Jinping, to <u>get married and have babies</u>. To some, it is outright invasive; on social media, women have complained about being approached by neighborhood officials, including some who they said called to ask the date of their last menstrual cycle.

"Mr. Xi, who has overseen a crackdown on <u>feminist activism</u>, has said that promoting childbirth as a national priority is one step toward ensuring that women "always walk with the party." (The country's total fertility rate, a measure of the number of children a woman is expected to have over her lifetime, is among the world's lowest. The <u>rate is estimated</u> at around 1.0, compared to 1.62 in the United States last year.)"

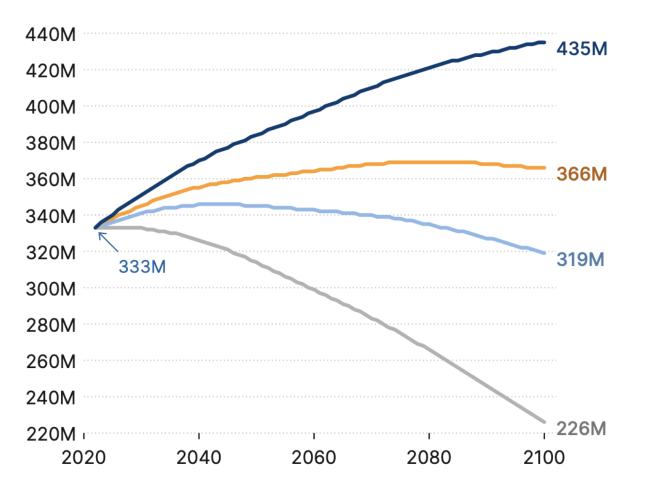
Sourec: https://www.nytimes.com/2024/10/08/world/asia/china-women-children-abortions.html



Projected annual US population size, 2022-2100

Alternative immigration scenarios

- High Immigration Main Immigration Low Immigration
- Zero Immigration



Source: William H. Frey analysis of US Census Bureau projections, released November 9, 2023 Brookings Metro

The "high" immigration scenario, which assumes a consistent annual net immigration of roughly 1.5 million people per year—a level only occasionally approached in the recent past.

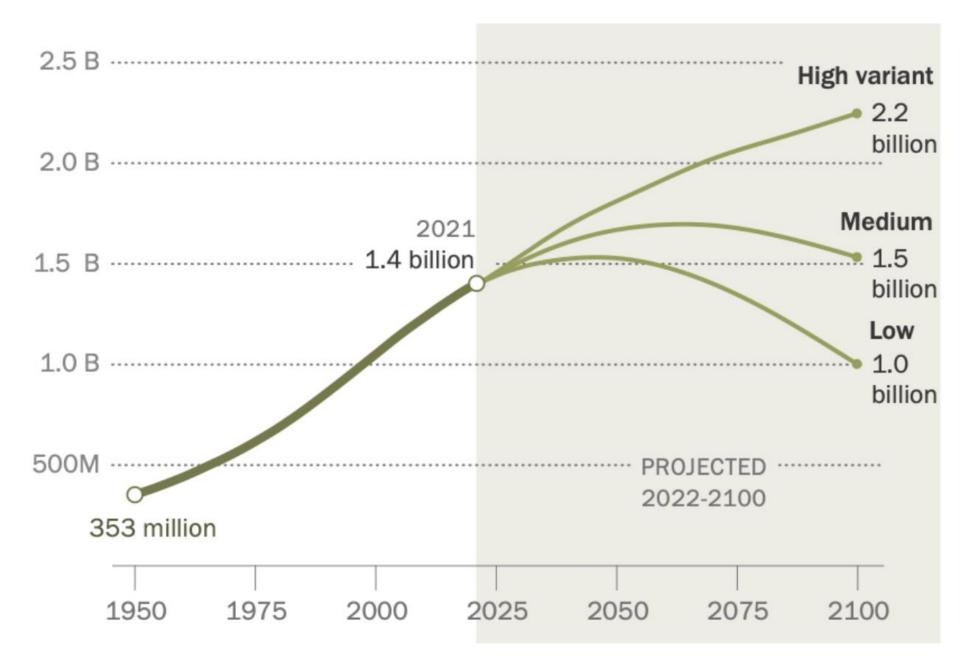
The "main" immigration scenario—the one most consistent with recent history, apart from the <u>immediate pre- and post-pandemic years</u>. This assumes annual net immigration levels between 850,000 and 980,000 people.

The "low" immigration scenario assumes a trajectory of between 350,000 and 600,000 net migrants annually, which occurred during the latter years of the Trump presidency, though still higher than during the pandemic.

Source: https://www.brookings.edu/articles/new-census-projections-showimmigration-is-essential-to-the-growth-and-vitality-of-a-more-diverse-us-population/

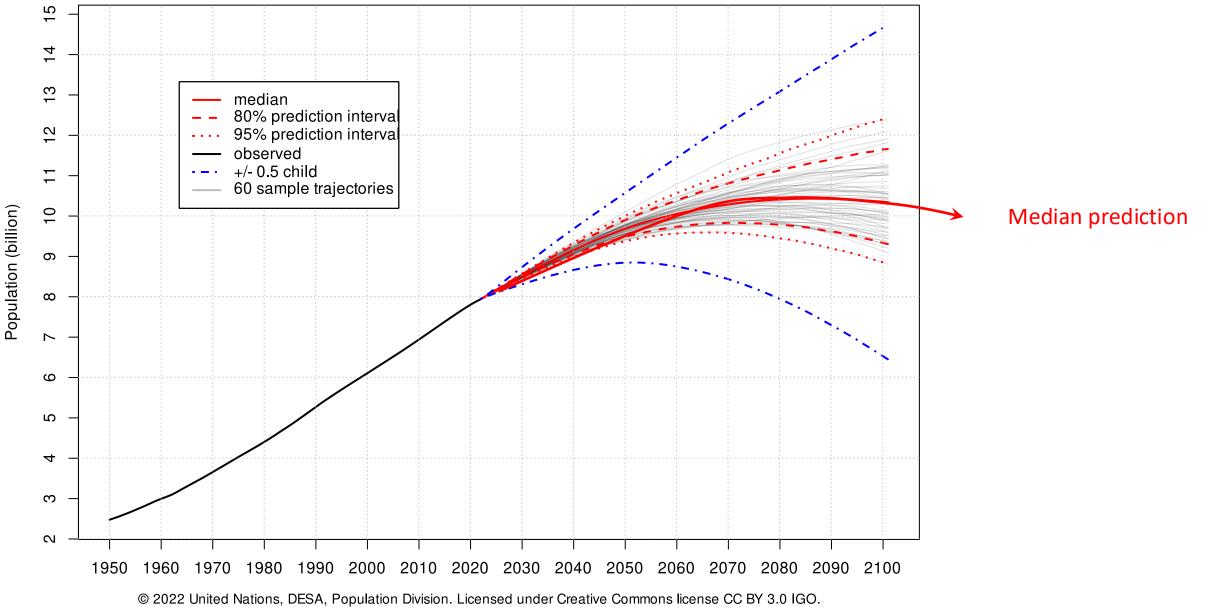


Population of India

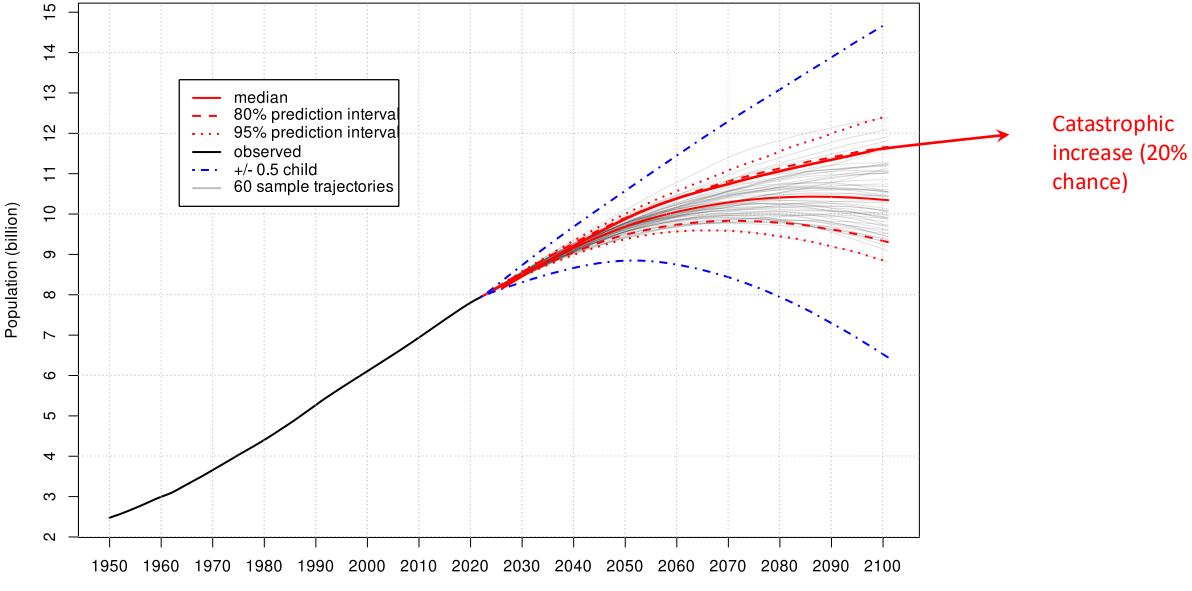


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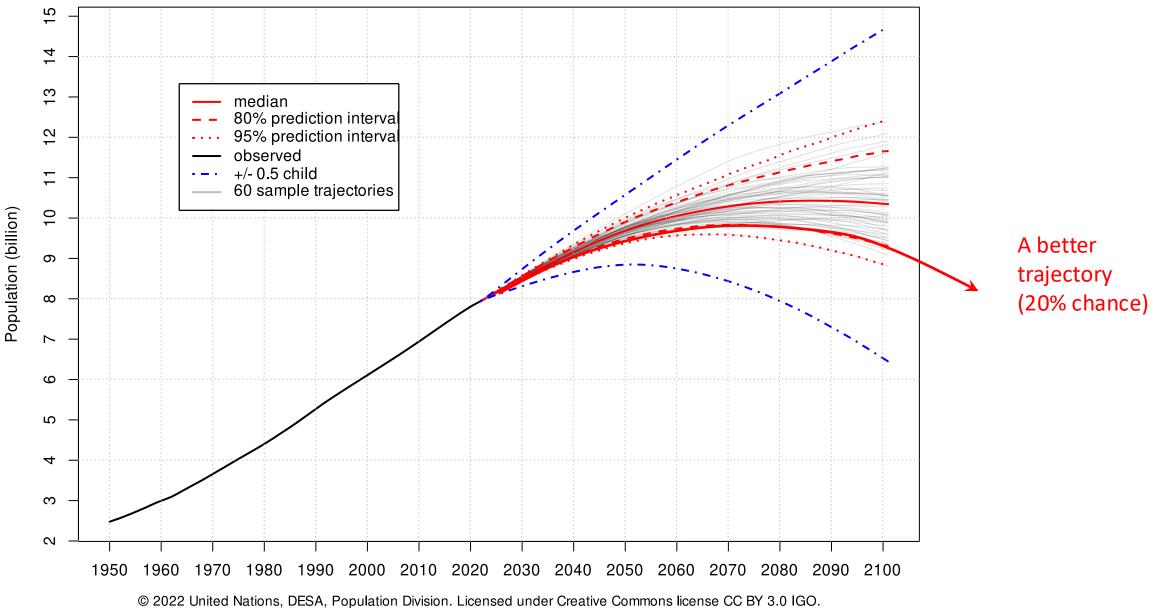
https://www.pewresearch.org/s hort-reads/2023/02/09/keyfacts-as-india-surpasses-chinaas-the-worlds-most-populouscountry/ft_2023-02-09_indiapopulation_01-png/



United Nations, DESA, Population Division. World Population Prospects 2022. http://population.un.org/wpp/



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