Jean Monnet Lecture

September 19, 2024 Claudia Goldin Harvard University





Population Bomb (1968) by Paul and Anne H. Ehrlich. Predicted famines, an apocalypse. Proposed the concept of ZPG (Zero Population Growth).



Source: Doepke, Tertilt, et al.

US Total Fertility Rate (TFR) and Net of Infant, Child Mortality: 1800-2015



US Total Fertility Rate (TFR) and Net of Infant, Child Mortality: 1800-2015



Total Fertility Rate in Four Countries and the World



Total Fertility Rate in Four Countries and the World



"Empty Planet"

"Expanding Cosmos"





Source: C. Jones, "The End of Economic Growth," AER (2022) as interpreted by ChatGPT









Country Groupings

Group 1 Nations

US, Great Britain, France, Germany, Denmark, Sweden

• Group 2 Nations

Italy, Spain, Portugal, Greece, Japan, Korea

Group 3 Nations

Estonia, Latvia, Lithuania, Romania, Hungary, Croatia, Slovenia



Total Fertility Rate: 1920-2022, Group 1 Nations



Total Fertility Rate: 1950-2022, Group 1 Nations



Total Fertility Rate: 1920-2022, Group 2 Nations



Total Fertility Rate: 1950-2022, Group 2 Nations



TFR: 1970-2022, 3 Group 1 (Blue), 3 Group 2 (Orange) Nations



Log(GDP/capita) PPP: 1920-2022, Group 1 Nations



Log(GDP/capita) PPP: 1920-2022, Group 2 Nations



Log(GDP/capita) PPP, TFR: 1920-2022, Korea



Log(GDP/capita) PPP, TFR: 1920-2022, Korea



Log(GDP/capita) PPP, TFR: 1920-2022, Korea



Log(GDP/capita) PPP, TFR: 1920-2022, Italy



Log(GDP/capita), TFR: 1920-2022, France, Sweden



Fertility is Negatively Related to Gender Disparities in HH & Care Work



Fertility is Negatively Related to Gender Disparities in HH & Care Work



Fertility rate: children per woman



The fertility rate¹, expressed as the number of children per woman, is based on age-specific fertility rates in one particular year.



1. Fertility rate: The total fertility rate is a period metric. It summarizes fertility rates across all age groups in one particular year. For a given year, the total fertility rate represents the average number of children that would be born to a hypothetical woman if she (1) lived to the end of her childbearing years, and (2) experienced the same age-specific fertility rates throughout her whole reproductive life as the age-specific fertility rates seen in that particular year. It is different from the actual average number of children that women have. The fertility rate should not be confused with biological fertility, which is about the ability of a person to conceive. Read more: Fertility rate

Summary

- Plummeting birth rates are nearly ubiquitous.
- Not always due to changes in contraception, abortion, or legal rights.
- Not always due to changes in governmental policies and benefits.
- They are often due to changes in the macroeconomy especially those that lead to generational and gendered conflicts.
- The impact on the macroeconomy is a rather different topic.



THE BABIES THANK YOU (and so do l)

Age at First Birth for Women in Italy and Spain is Higher than in Sweden and Denmark



Age at First Birth for Women is Highest in Korea





Data sources: Our World in Data based on HYDE, UN, and UN Population Division [2022 Revision] This is a visualization from OurWorldinData.org, where you find data and research on how the world is changing.

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Total Fertility Rate: 1960-2022, 5 Eastern European, Eurozone Nations



Total Fertility Rate: 1960-2022, 4 Eastern European, EU Nations

