Reflections on over 500 sustainabiltymath.org Blog Posts

Thomas J. Pfaff

Feb 11, 2022

Rules of the Talk

1. Keep me from getting to the last slide.

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2. See the first rule.

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- Our complex social-ecological system requires fundamental changes.

General Thoughts

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- Did we normalize properly?
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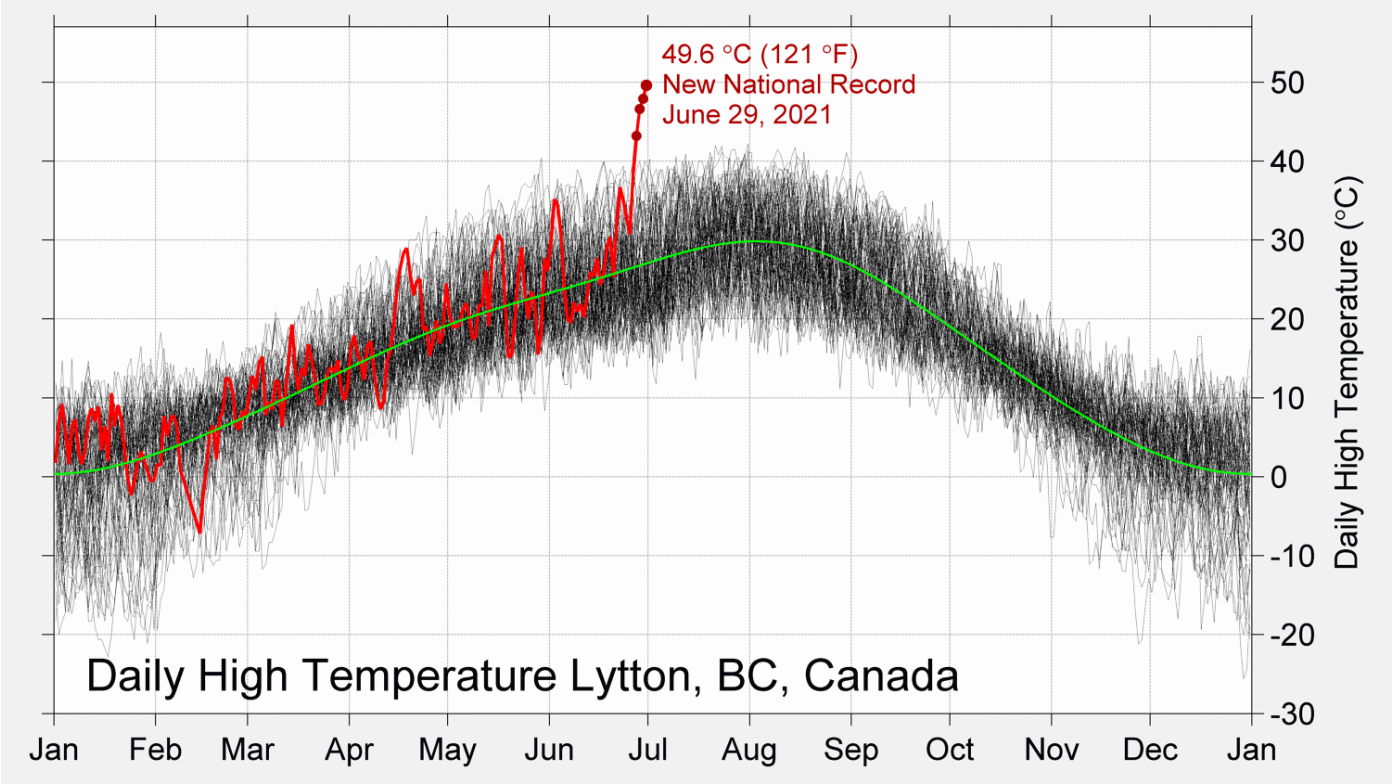
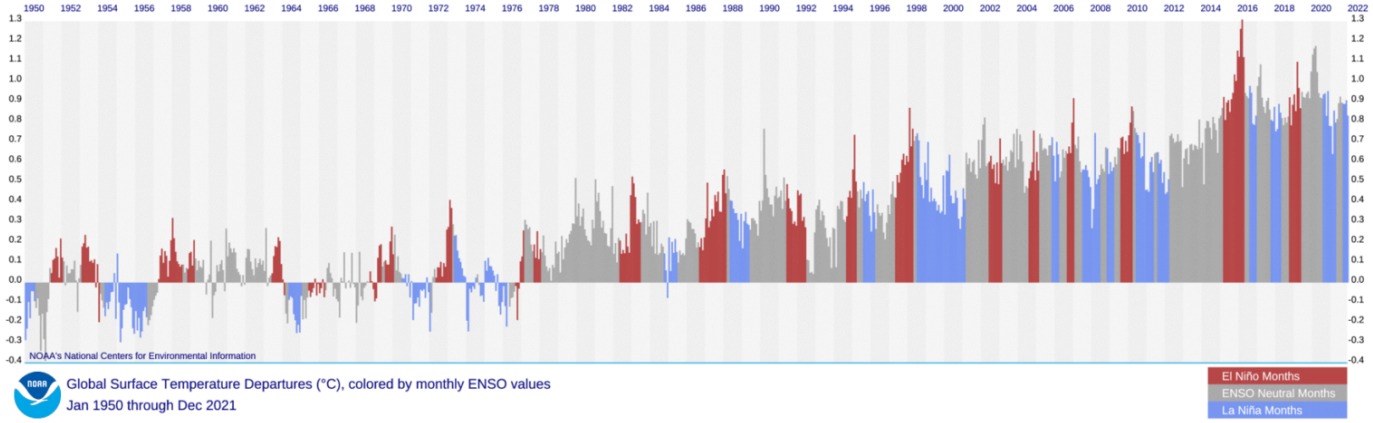
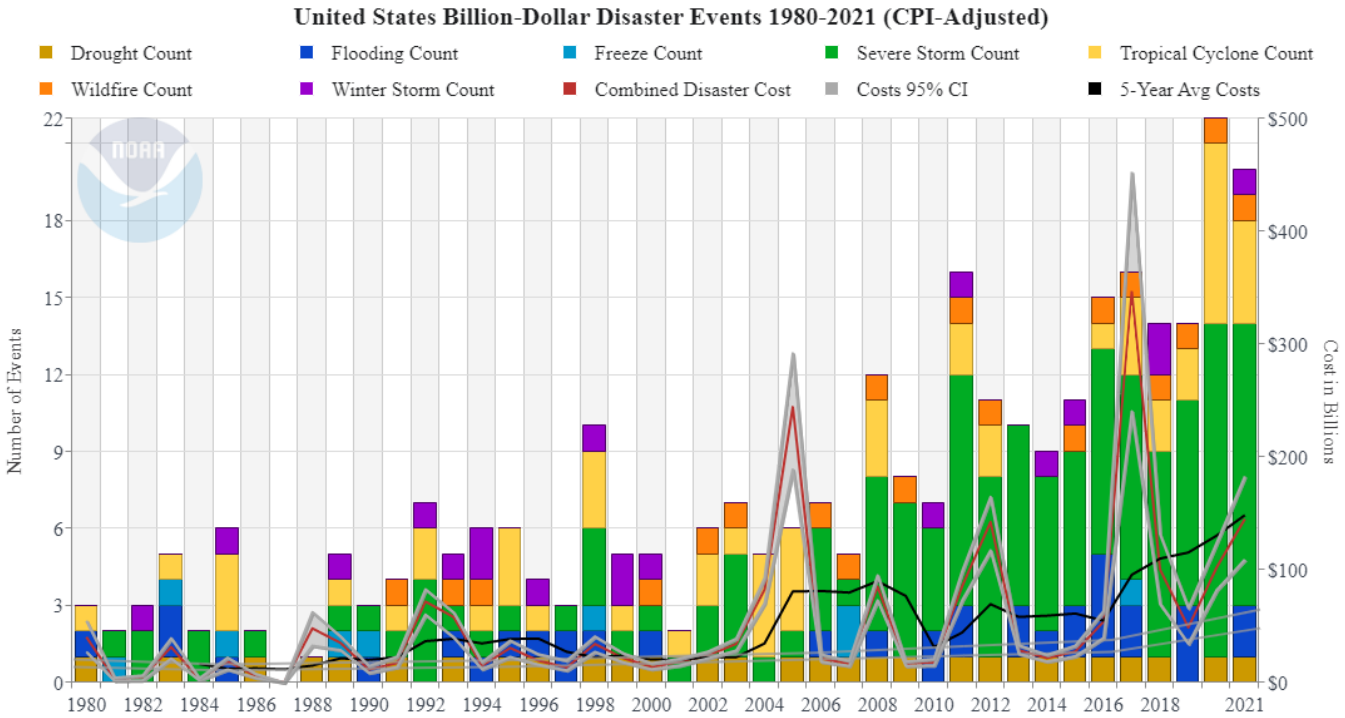
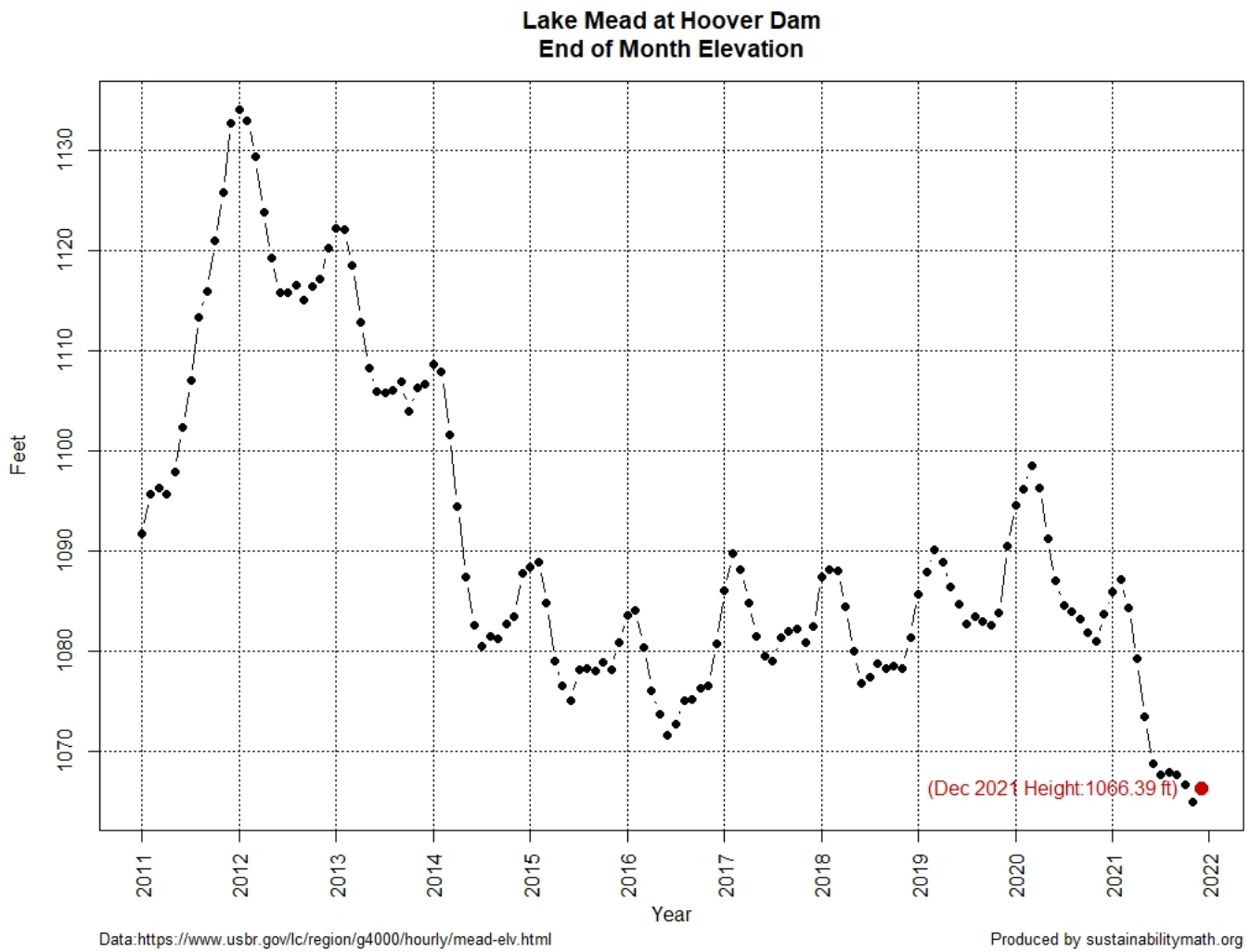
- Just random or a trend?
- Is the graph clear or misleading?


49.6 °C (121 °F)
New National Record
June 29, 2021
Daily High Temperature Lytton, BC, Canada
Daily High Temperature (°C)
50
40
30
20
10
0
-10
-20
-30
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan


1950 1952 1954 1956 1958 1960 1962 1964 1966 1968 1970 1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
1.3 1.2 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0.0 -0.1 -0.2 -0.3 -0.4
NOAA's National Centers for Environmental Information
Global Surface Temperature Departures (°C), colored by monthly ENSO values
Jan 1950 through Dec 2021
El Niño Months
ENSO Neutral Months
La Niña Months

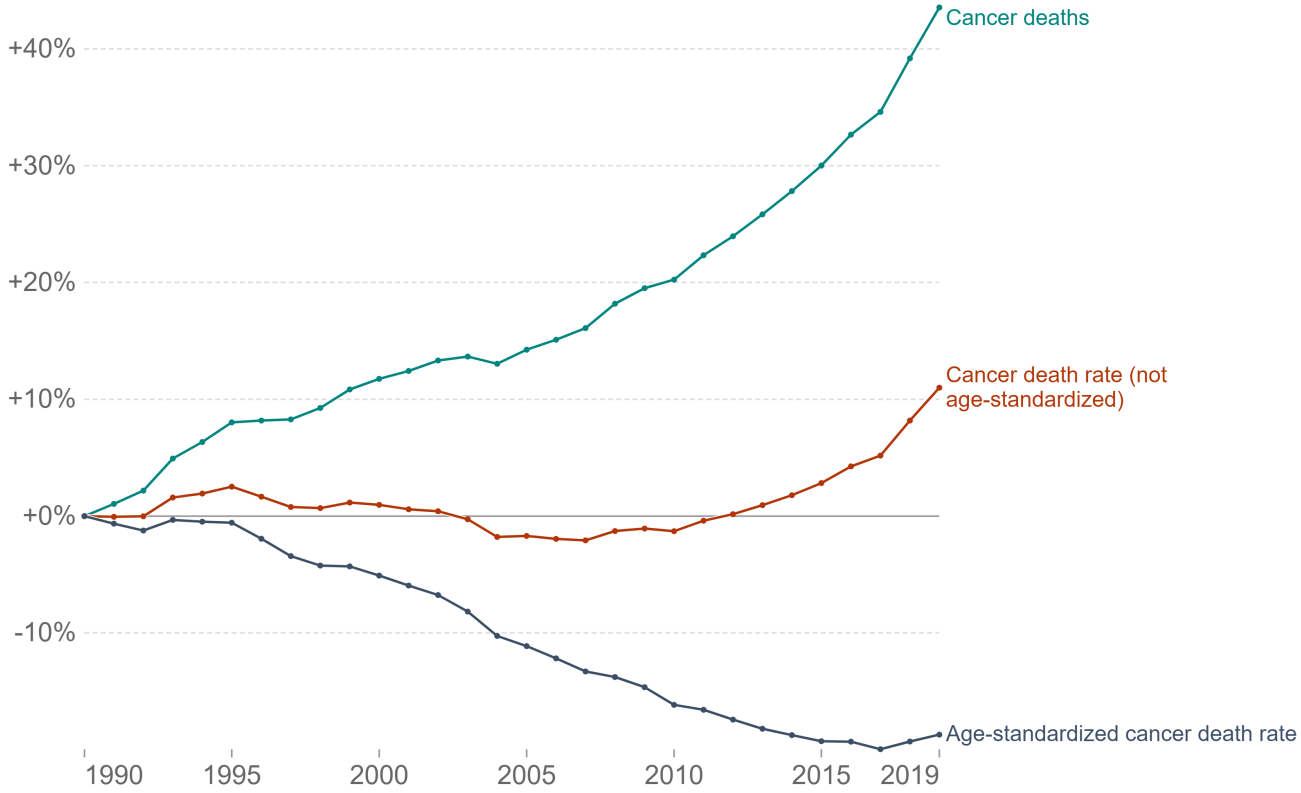


Updated: January 10, 2022


Lake Mead at Hoover Dam
End of Month Elevation
Feet
1070
1080
1090
1100
1110
1120
1130
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Year
(Dec 2021 Height:1066.39 ft)
Data:https://www.usbr.gov/lc/region/g4000/hourly/mead-elv.html
Produced by sustainabilitymath.org

Change in three measures of cancer mortality, United States, 1990 to 2019

This chart compares cancer deaths, the cancer death rate, and the age-standardized death rate.

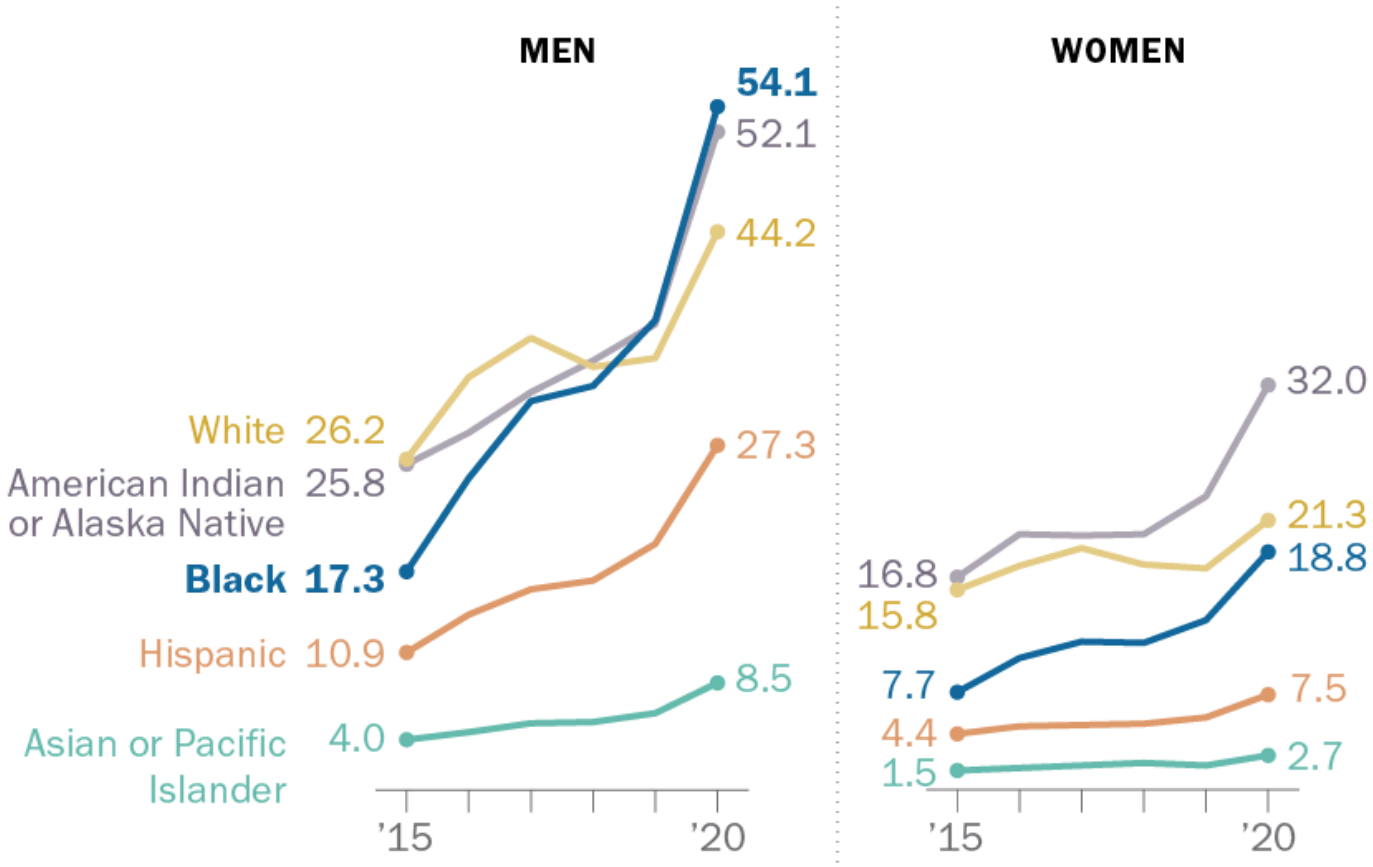


Source: Global Burden of Disease [IHME]

OurWorldInData.org/cancer • CC BY

Drug overdose death rate among Black men in the U.S. more than tripled between 2015 and 2020

U.S. drug overdose death rate per 100,000 people, by race and ethnicity (age-adjusted)



Note: All racial categories include people of one race, as well as those who are multiracial. For those who are multiracial, the CDC selects a single race to allow for consistent comparisons. All racial groups refer to non-Hispanic members of those

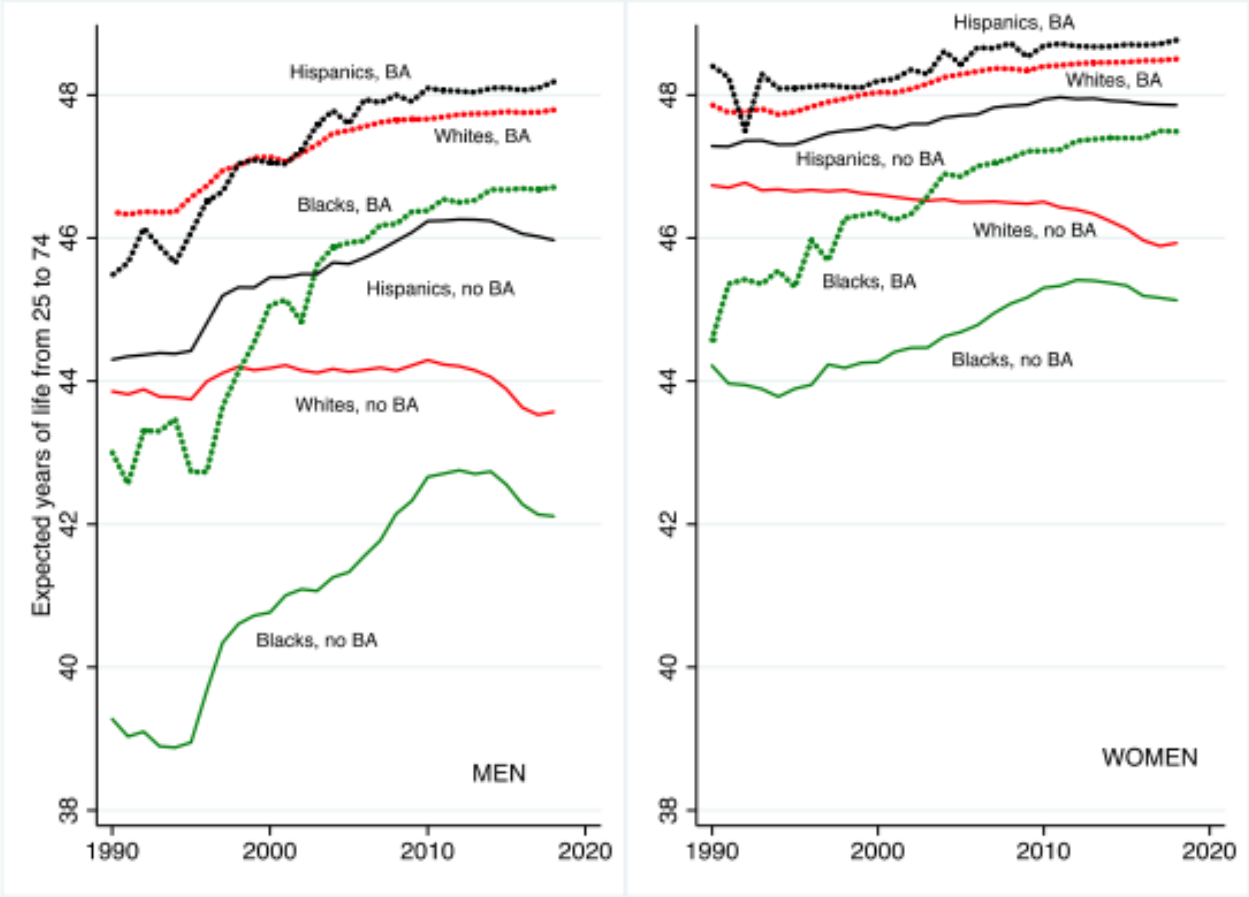
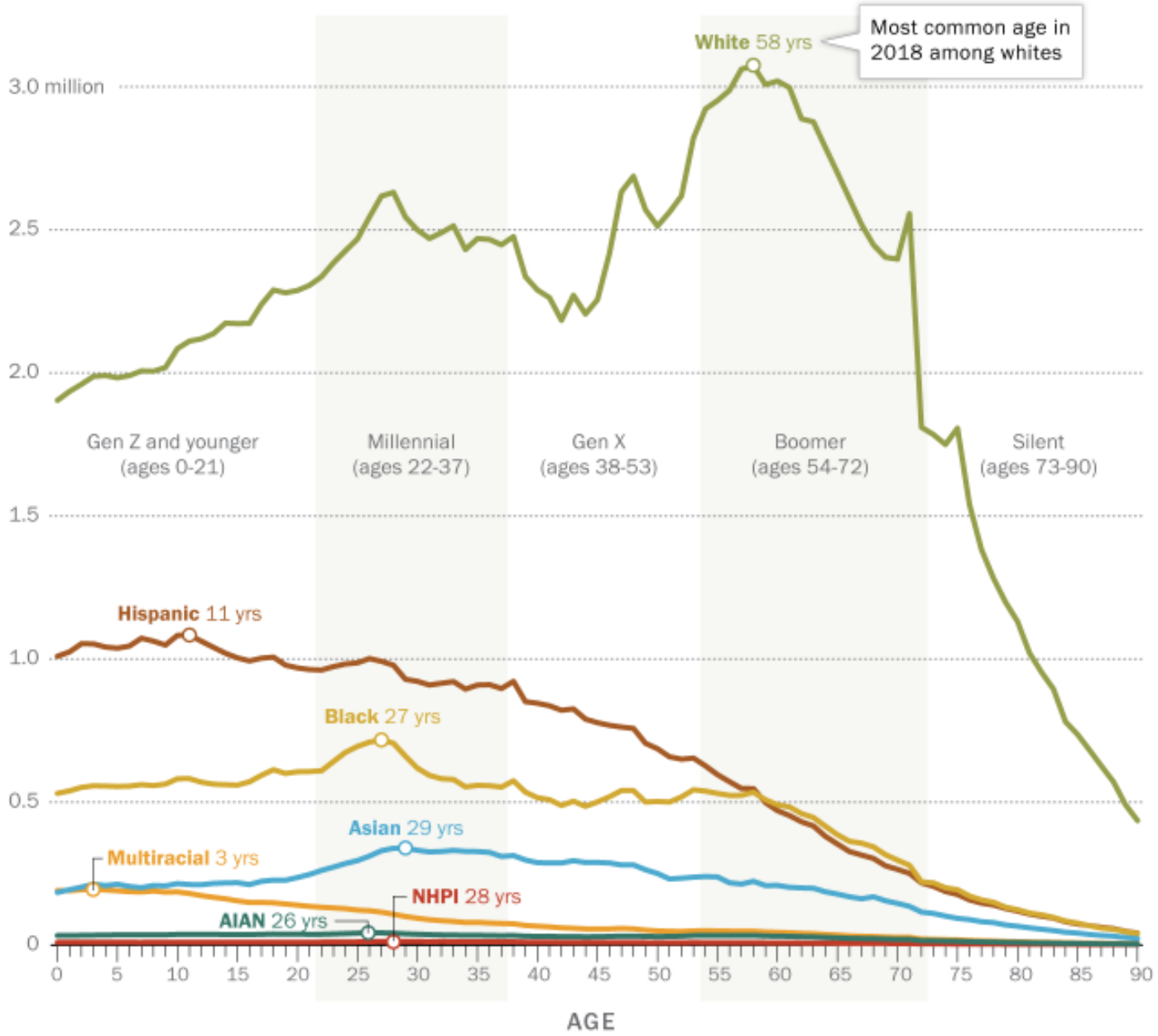


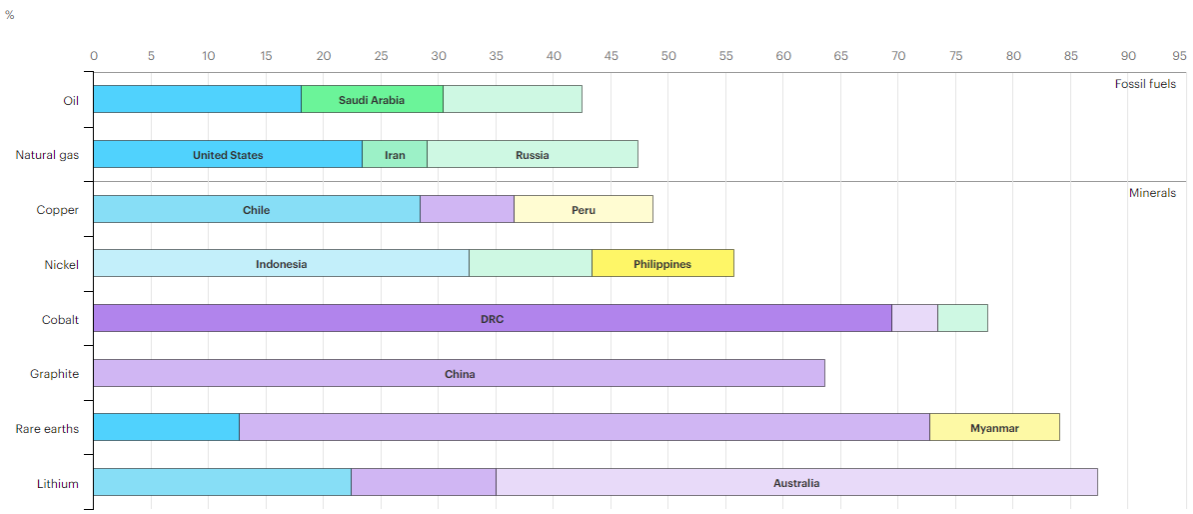
Fig. S4. Expected years from 25 to 75 by sex, race and ethnicity, and BA status

In U.S., most common age for whites is much older than for minorities

Number of people of each age by race/ethnicity, 2018



Note: White, black, Asian, multiracial, American Indian/Alaska Native (AIAN) and Native Hawaiian/Pacific Islander (NHPI)



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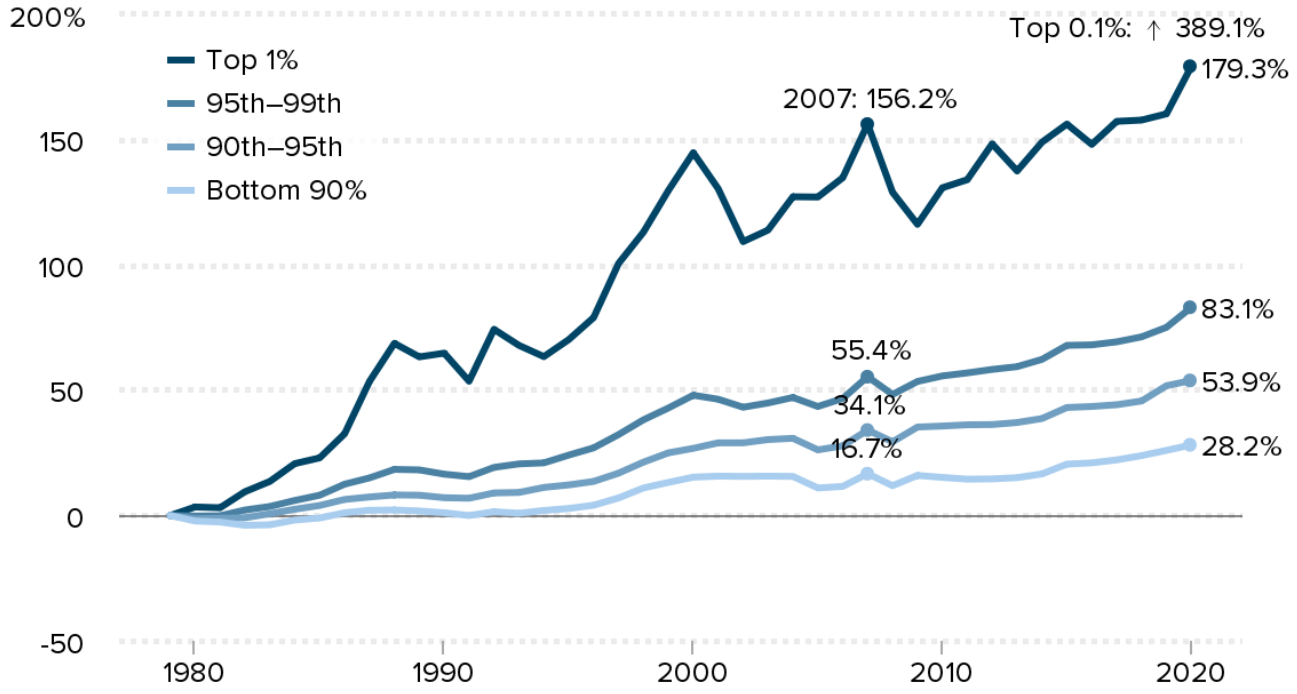
United States · Chile · Indonesia · DRC · China · Australia · Saudi Arabia · Iran · Russia · Philippines · Myanmar · Peru

Cumulative percent change in real annual wages, by wage group, 1979–2020



Source: EPI analysis of Kopczuk, Saez, and Song (2007, Table A3) and Social Security Administration wage statistics.

Economic Policy Institute

https://www.youtube.com/watch?v=xWpTGbZhZfQ

https://gml.noaa.gov/ccgg/trends/history.html

Thanks You!

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