



*Osher Lifelong Learning Institute, Spring 2025*

## Contemporary Economic Policy

University of Minnesota

Host: Geoffrey Woglom, Ph.D.  
Director, National Economic Education Delegation



### Available NEED Topics Include:

- US Economy
- Healthcare Economics
- Climate Change
- Economic Inequality
- Economic Mobility
- Trade and Globalization
- Minimum Wages
- Immigration Economics
- Housing Policy
- Federal Budgets
- Federal Debt
- Black-White Wealth Gap
- Autonomous Vehicles
- US Social Policy

## Course Outline

- **Contemporary Economic Policy**

- Week 1 (4/3): Economic Update (Geoffrey Woglom, Amherst College)
- Week 2 (4/10): Health Economics (Robert Rebelein, Vassar College)
- Week 3 (4/17): Immigration (Jon Haveman, Exec Director, NEED)
- **Week 4 (4/24): The New Inequality (Geoffrey Woglom, Amherst College)**
- Week 5 (5/1): Federal Debt and Deficits (Dmitriy Stoloyarov U of Michigan)



## Submitting Questions

- **Submit questions in the chat I will try to handle them periodically.**
- **We will do a verbal Q&A once the material has been presented.**
- **Slides will be available from the NEED website tonight**  
**[https://needecon.org/delivered\\_presentations.php](https://needecon.org/delivered_presentations.php)**



## Outline

- **Definitions.**
- **Snapshots of US Inequality.**
- **Inequality over time.**
- **Does inequality matter?**
- **The New Inequality?**
- **What to do about it.**

## Economic Inequality: Material Inequality

- **Definition:**

- The extent to which the distribution of goods and services deviates from complete equality.
- Material inequality is highly correlated with other kinds of inequality. E.g., life satisfaction, life expectancy.



# Different Ways of Thinking About Material Inequality

- **Income Inequality**
  - Before taxes and transfers
  - After taxes and transfers
- **Wealth Inequality**

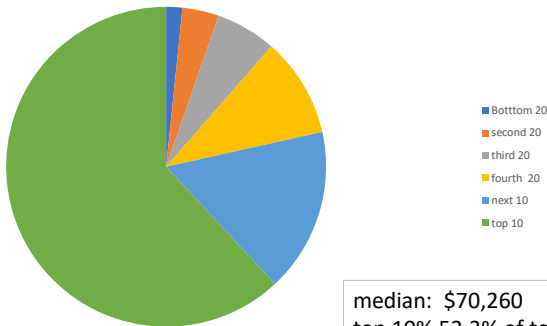
### How does wealth differ from income?

**Income** is measured over a period of time, say one year and measures ability to consume today.

**Wealth** is one's accumulated savings, including physical and financial assets (net worth), and measures the ability to consume now and in the future.

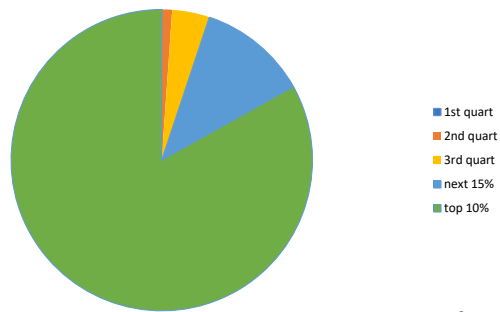
# Measuring Material Inequality

Before-Tax Household Income 2022



median: \$70,260  
top 10% 52.3% of total

Household Net Worth 2022

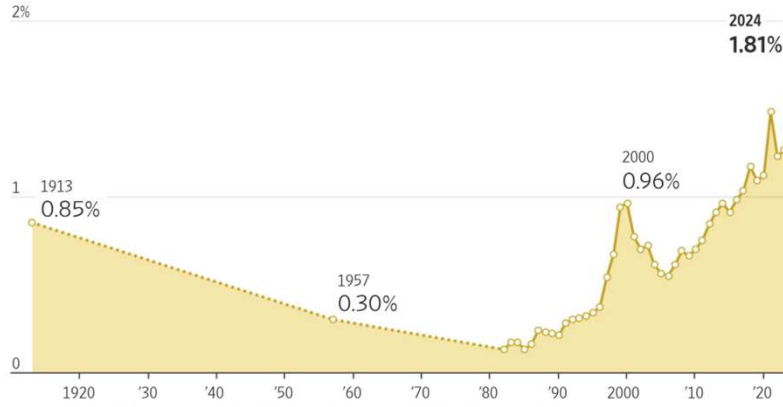


Top 10% comprise 73% of total

## Yesterday in the *WSJ*

Wealth of the top 0.00001% in the U.S. as a share of total U.S. household wealth

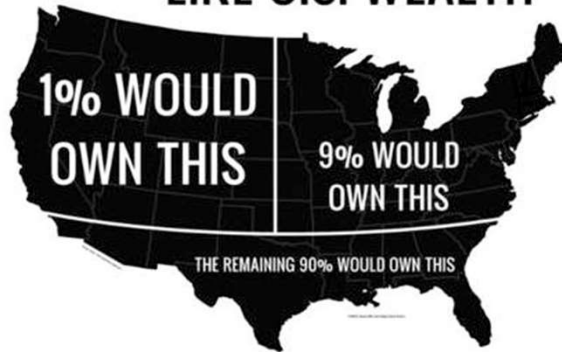
19 Households  
\$2.6 trillion



Source: Gabriel Zucman, analysis of Forbes, Fortune and Federal Reserve data

## Wealth inequality in America

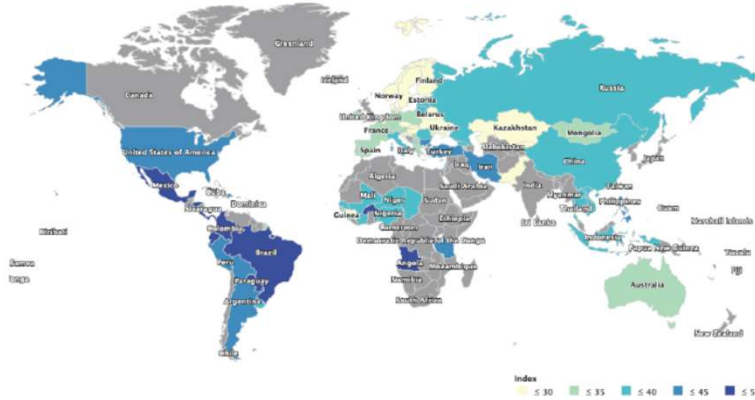
IF U.S. LAND WERE DIVIDED  
LIKE U.S. WEALTH



# How We Compare to the Rest of the World

Figure 2  
Gini Index by Nation

FRED 2018 GINI Index by Nation (Index)



SOURCE: World Bank via FRED®, Federal Reserve Bank of St. Louis; <https://fred.stlouisfed.org/graph/?m=QRfh>, accessed April 6, 2021.



NATIONAL ECONOMIC EDUCATION DELEGATION

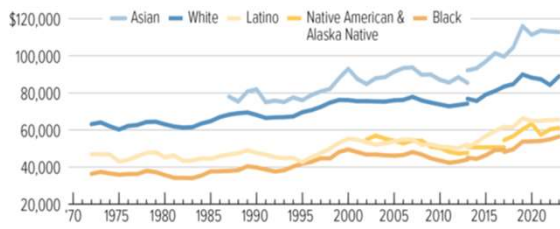
[https://files.stlouisfed.org/files/htdocs/publications/page1-econ/2022/09/01/income-and-wealth-inequality\\_SE.pdf](https://files.stlouisfed.org/files/htdocs/publications/page1-econ/2022/09/01/income-and-wealth-inequality_SE.pdf)

# Racial Wage and Wealth Gaps

FIGURE 2

## Incomes Have Grown But Racial Gaps Persist

Median household total money income by race



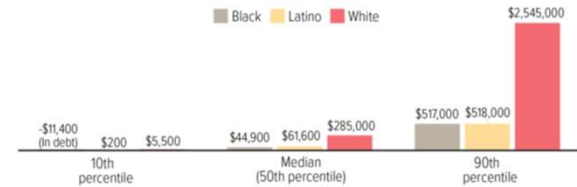
Note: Breaks indicate implementation of a redesigned questionnaire (2013) and an updated data processing system (2017). Annual incomes are in inflation-adjusted 2023 dollars. White refers to non-Latino white.  
Source: U.S. Census Bureau

CENTER ON BUDGET AND POLICY PRIORITIES | CBPP.ORG

FIGURE 6

## Wealth Highly Concentrated By Race

Household net worth by race and ethnicity, 2022



Notes: The 10th percentile is the median household of the least wealthy one-fifth of households (ranked within racial or ethnic group). The 90th percentile is the median household of the wealthiest one-fifth of households. Figures are rounded to nearest \$100 for the 10th percentile and overall median and \$1,000 for the 90th percentile.  
Sources: Federal Reserve Board (for overall medians) and CBPP analysis of 2022 SCF.

CENTER ON BUDGET AND POLICY PRIORITIES | CBPP.ORG



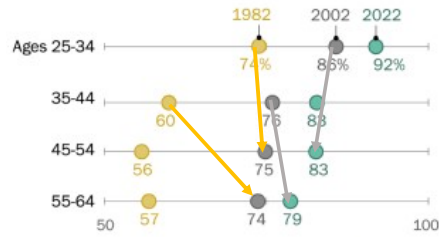
NATIONAL ECONOMIC EDUCATION DELEGATION

Source: Arloc Sherman, Danilo Trisi, and Joseph CURETON, "A Guide to Statistics on Historical Trends in Income Inequality," Center on Budget and Policy Priorities, Policy Futures, Dec. 11, 2024.

# Gender Pay Gaps

## Women's pay relative to men's drops most sharply around ages 35 to 44

Median hourly earnings of women in the U.S. as a % of the median hourly earnings of men, by age



Note: Samples include employed workers ages 25 to 64 with positive earnings, working full time or part time, excluding the self-employed.

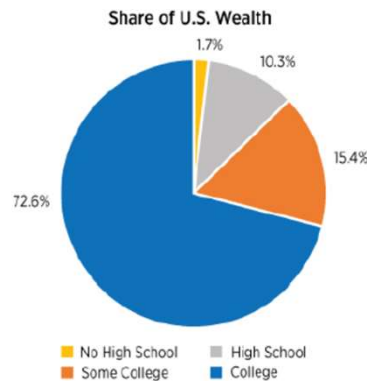
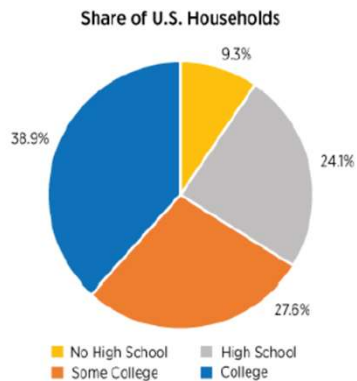
Source: Pew Research Center analysis of the Current Population Survey outgoing rotation group files (IPUMS).

PEW RESEARCH CENTER



<https://www.pewresearch.org/social-trends/2023/03/01/the-enduring-grip-of-the-gender-pay-gap/>

# Household Wealth by Education, 2023, Q2



FEDERAL RESERVE BANK OF ST. LOUIS

SOURCES: Distributional Financial Accounts and Institute for Economic Equity calculations.

NOTE: College represents families with at least a bachelor's degree; other education levels represent the families' highest completed education.



# Case and Deaton's Astounding Findings

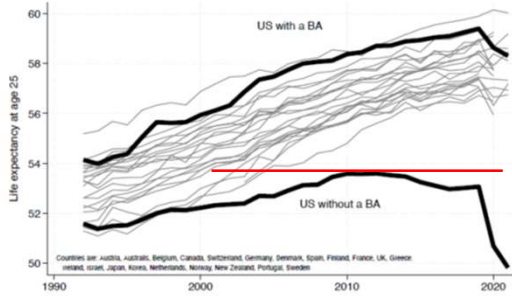
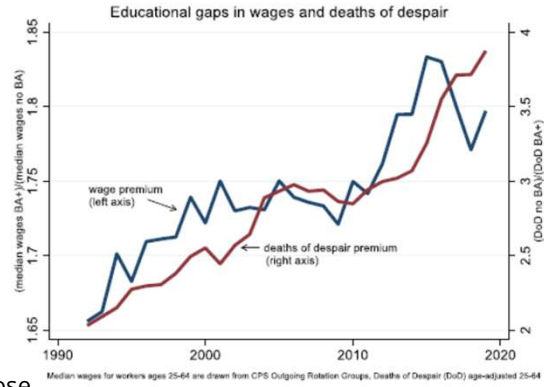


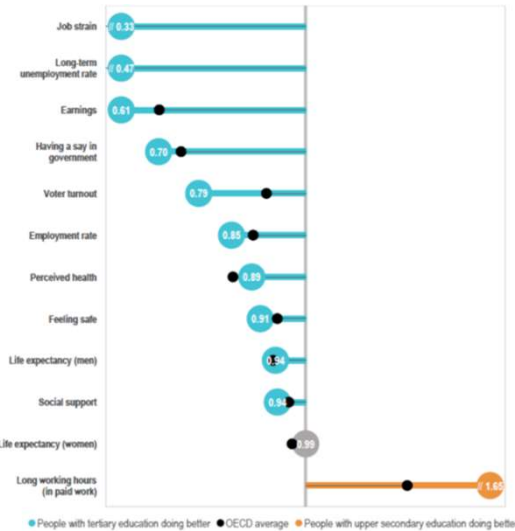
Figure 3: Adult life expectancy for Americans by college degree and for 22 rich countries



Opioids were involved in more than 80,000 overdose deaths in 2021, which was 10 times the number of opioid overdose deaths in 1999. <http://wonder.cdc.gov/>

# Education Matters for Broader Measures of Inequality

Ratio of indicators of well being





# Summary of Snapshot

- **Top 10% earns over 50% of total income and 70% of total wealth**
- **US is one of the more unequal countries in the industrialized world.**
- **Earning a BA is important for**
  - Earnings.
  - Life Satisfaction.
  - Life Expectancy.

# How Did We Get Here: The Long View

FIGURE 4

## Income Concentration at the Top Has Risen Sharply Since the 1970s

Share of total before-tax income flowing to the highest income households (including capital gains), 1913-2022



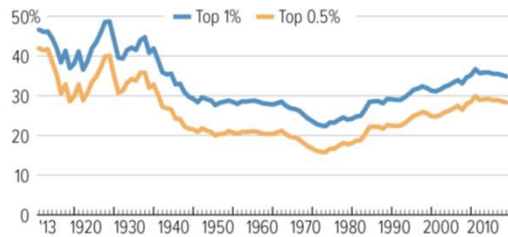
Source: Emmanuel Saez, based on IRS data

CENTER ON BUDGET AND POLICY PRIORITIES | CBPP.ORG

FIGURE 8

## Wealth Concentration Has Risen Since 1970s

Share of total wealth held by the wealthiest households, 1913-2019



Source: Piketty, Saez, and Zucman, 2018 and <https://gabriel-zucman.eu/usdina/>, Tables II, tab TE1, columns [6] and [7].

CENTER ON BUDGET AND POLICY PRIORITIES | CBPP.ORG

# Historical Trends in Material Inequality

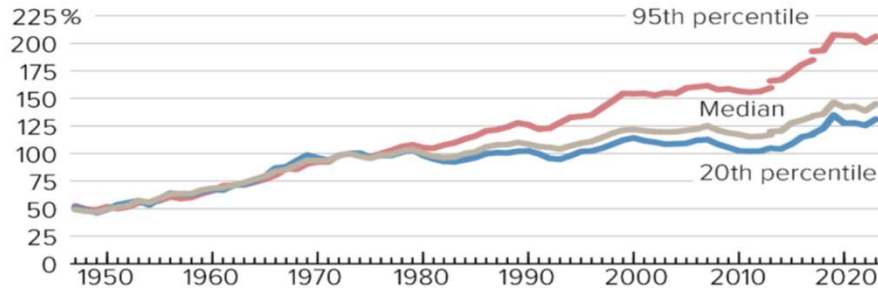
- The “Great Convergence”: 1935-1978
- The “Great Divergence:” 1979-?
  - Income growth in the middle and lower parts of the distribution slowed.
  - Incomes at the top continued to grow strongly.

# The Abrupt Increase in Inequality

FIGURE 1

## Income Gains Widely Shared in Early Postwar Decades — But Not Since Then

Real family income between 1947 and 2023, as a percentage of 1973 level

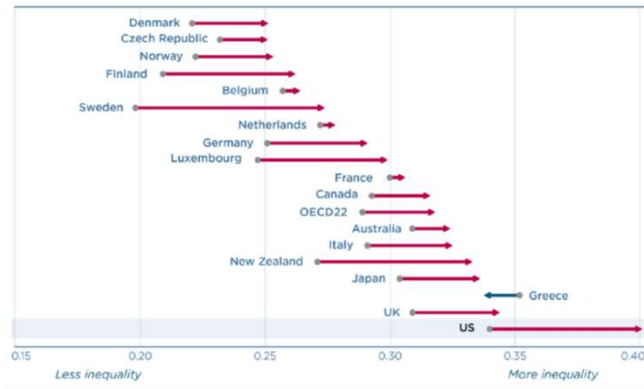


Note: Breaks indicate implementation of a redesigned questionnaire (2013) and an updated data processing system (2017).

Source: CBPP calculations based on U.S. Census Bureau Data

# Increasing Inequality is Not Just US Phenomenon

Figure 1: Change in Gini coefficient, 1985 to 2013



**Note:** 1985 data refer to 1985 or closest available year, 2013 data refer to 2013 or nearest available year. The Gini coefficient measures how equally income is distributed across a population, from 0 (perfectly equal) to 1 (all income to one person).

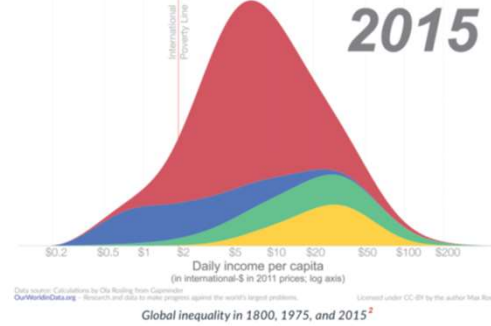
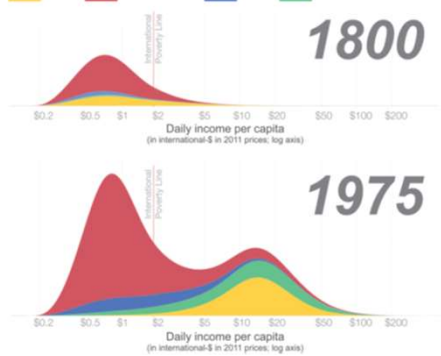
**Source:** Organization for Economic Cooperation and Development (OECD), "In It Together: Why Less Inequality Benefits All."

# But Global Inequality is Falling!

Global income distribution in 1800, 1975, and 2015

Income is measured by adjusting for price changes over time (inflation) and for price differences between countries (purchasing power parity (PPP) adjustment). These estimates are based on reconstructed National Accounts and within-country inequality measures. Non-market income (e.g. through home production such as subsistence farming) is taken into account. The International Poverty Line is set by the United Nations and is the poverty line that defines extreme poverty.

Legend: Europe (Yellow), Asia and Pacific (Red), Africa (Blue), North- and South America (Green)



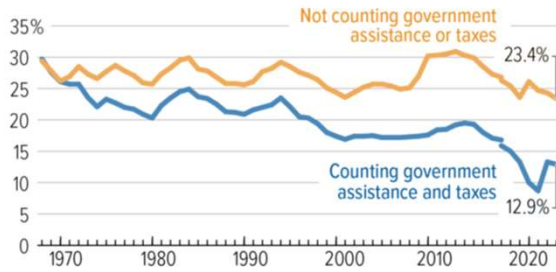
Global inequality in 1800, 1975, and 2015<sup>2</sup>

# “Inequality Doesn’t Matter; Poverty Does” (?)

FIGURE 10

## Economic Security Programs Largely Responsible for Decline in Poverty Since 1960s

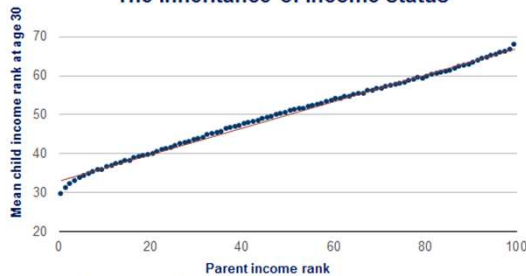
Poverty rate



Note: Break in 2017 reflects the implementation of an updated processing system by the Census Bureau. Figures use Supplemental Poverty Measure (SPM) and 2023 poverty line adjusted for inflation.  
 Source: CBPP analysis of SPM data from Columbia Center on Poverty and Social Policy (before 2009) and U.S. Census Bureau (2009 and later)

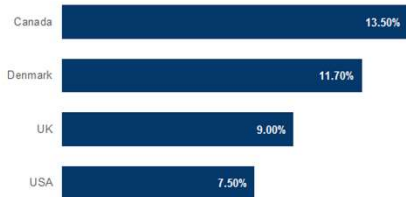
# “Inequality Doesn’t Matter with Intergenerational Mobility (Horatio Alger)” (?)

## The inheritance of income status



Source: Chetty et al., “Where is the land of opportunity? The geography of intergenerational mobility in the United States,” Figure 11a: Association between children’s and parent’s percentile rank

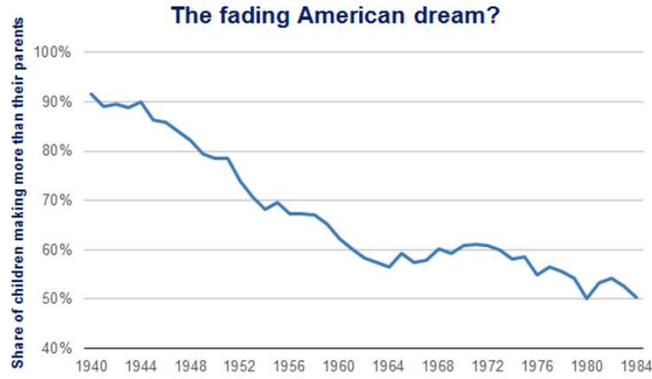
## Relative mobility is almost twice as high in Canada



■ Probability that a child born to parents in the bottom fifth of the income distribution reaches the top fifth

Sources: Chetty et al., “Where is the land of opportunity? The geography of intergenerational mobility in the United States” (USA); Blundell and Machin, “Up and down the generational income ladder in Britain: Past changes and future prospects” (UK); Boserup, Kopczuk, and Kremer, “Intergenerational Wealth Mobility: Evidence from Danish Wealth Records of Three Generations” (Denmark); Corak and Heisz, “The intergenerational earnings and income mobility of Canadian men: Evidence from longitudinal tax data” (Canada)

# Inequality Doesn't Matter because Children Are Better Off Than Their Parents (?)

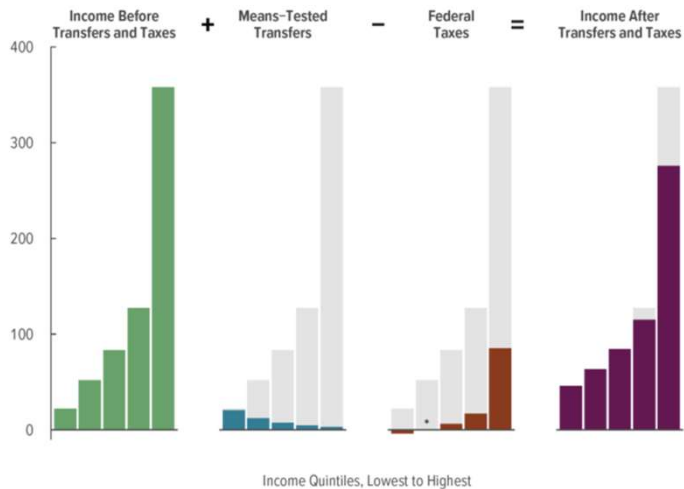


Source: Chetty et al., "The fading American dream: Trends in absolute income mobility since 1940"

BROOKINGS

# Tax and Transfer Programs and Inequality

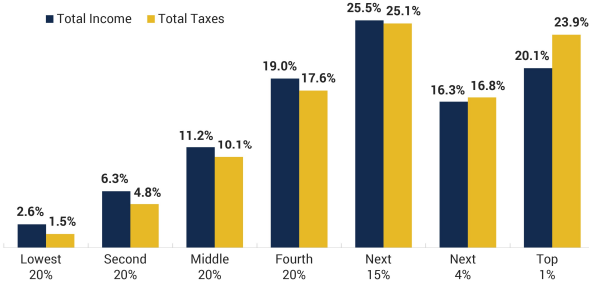
Average Real Income, Means-Tested Transfers, and Federal Taxes in 2020  
Thousands of 2020 Dollars



## What about State Taxes?

FIGURE 1

### Shares of Total Taxes Paid by Each Income Group Compared to Shares of Total Income in 2024



Source: Institute on Taxation and Economic Policy (ITEP) Tax Model, April 2024

Institute on Taxation and Economic Policy | ITEP.org

But, this analysis ignores transfers like Food stamp and Medicaid.

Most recently, a more comprehensive analysis was done. No pretty pictures, but here is the conclusion:

“We...found that the federal tax and transfer system is progressive, while state systems are close to proportional, on average.”

<https://www.minneapolisfed.org/research/staff-reports/fiscal-progressivity-of-the-us-federal-and-state-governments>



NATIONAL ECONOMIC  
EDUCATION DELEGATION

27

## Market Forces and Inequality

### • Changing demand patterns

- Technology and “skill-biased technological change”
- Increased Trade and Globalization
- Industry composition
  - PCs instead of typewriters
  - Services instead of goods
  - Professional services instead of personal services

### • Competition in labor markets

- Unionization
- Market concentration
- Immigration (?)



NATIONAL ECONOMIC  
EDUCATION DELEGATION

28

## Technological Change and Inequality

- **Much of the technology adopted in the last 30 years has eliminated low-skill or low-wage jobs.**
  - Computers, advanced manufacturing equipment, steel mini-mills, automation
- **Technological change may result in “winner take all” outcomes.**
  - This likely favors a small group of individuals.
  - But of course the relative winners can change rapidly.
- **Both aspects increase inequality by increasing the rewards to:**
  - Those with significant labor market skills and college degrees.
  - Owners over workers.
- **What will AI do to this story?**



## Globalization

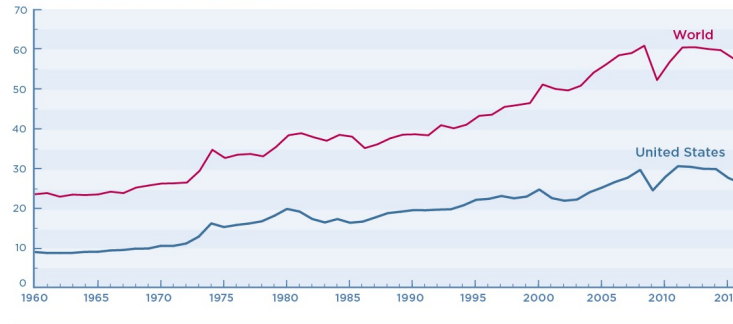
- **What is globalization?**
  - Flow of goods, services, capital, and labor across international borders.
- **How does it affect inequality?**
  - Through a differential impact on low-skilled workers and hence their wages.
  - For the United States, globalization is thought to lower the wages of low skilled and hence low-wage workers relative to those of high-skilled workers.
  - But Globalization lifted 300 million Chinese out of poverty.



# History of Globalization

US trade grew to levels exceeding a third of its GDP. World trade volume now surpasses half of world GDP.

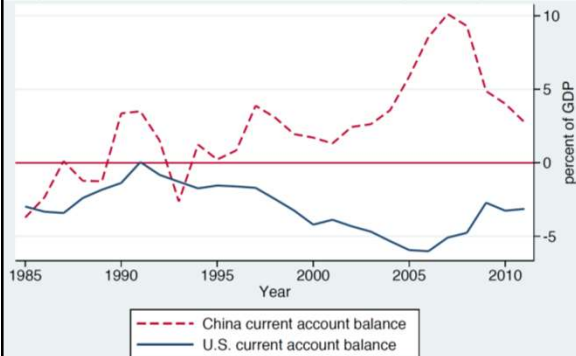
World and US trade as percent of GDP (1960-2016)



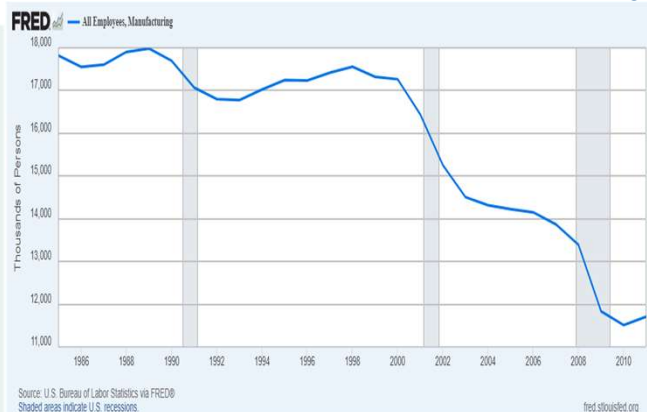
Sources: World Bank: World Bank DataBank and International Debt Statistics; International Monetary Fund: International Financial Statistics and Balance of Payments databases; GDP estimates from World Bank and Organization for Economic Cooperation and Development.

# The China Shock

Figure 5: U.S. and China Current Account Balances (% of GDP) 1985 - 2012



Source: World Development Indicators.



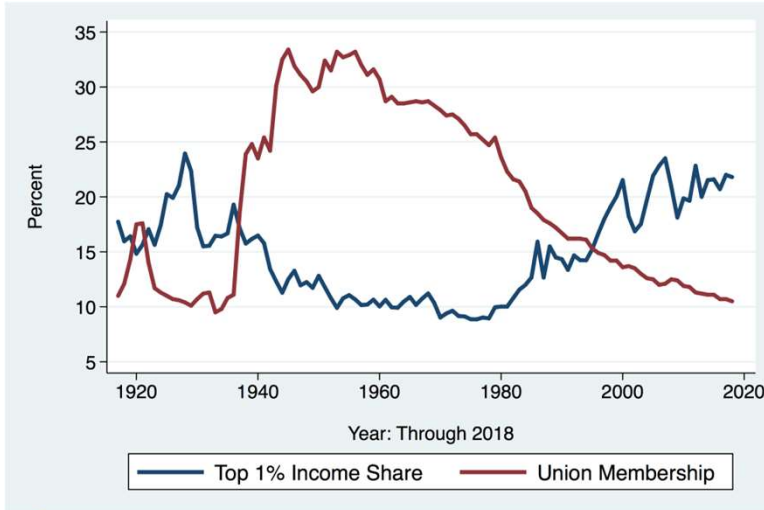
Source: U.S. Bureau of Labor Statistics via FRED®  
Shaded areas indicate U.S. recessions.

fred.stlouisfed.org

Reminder: China Joins WTO in December of 2001



## Declining Unionization



### Unionization Rates

- **1983:** 20.1%
- **2022:** 10.1%

### Unionization Rates

- **Public:** 33.1%
- **Private:** 6.0%



NATIONAL ECONOMIC  
EDUCATION DELEGATION

Source: <https://inequality.org/facts/income-inequality/>, Bureau of Labor Statistics and Emmanuel Saez, University of California, Berkeley

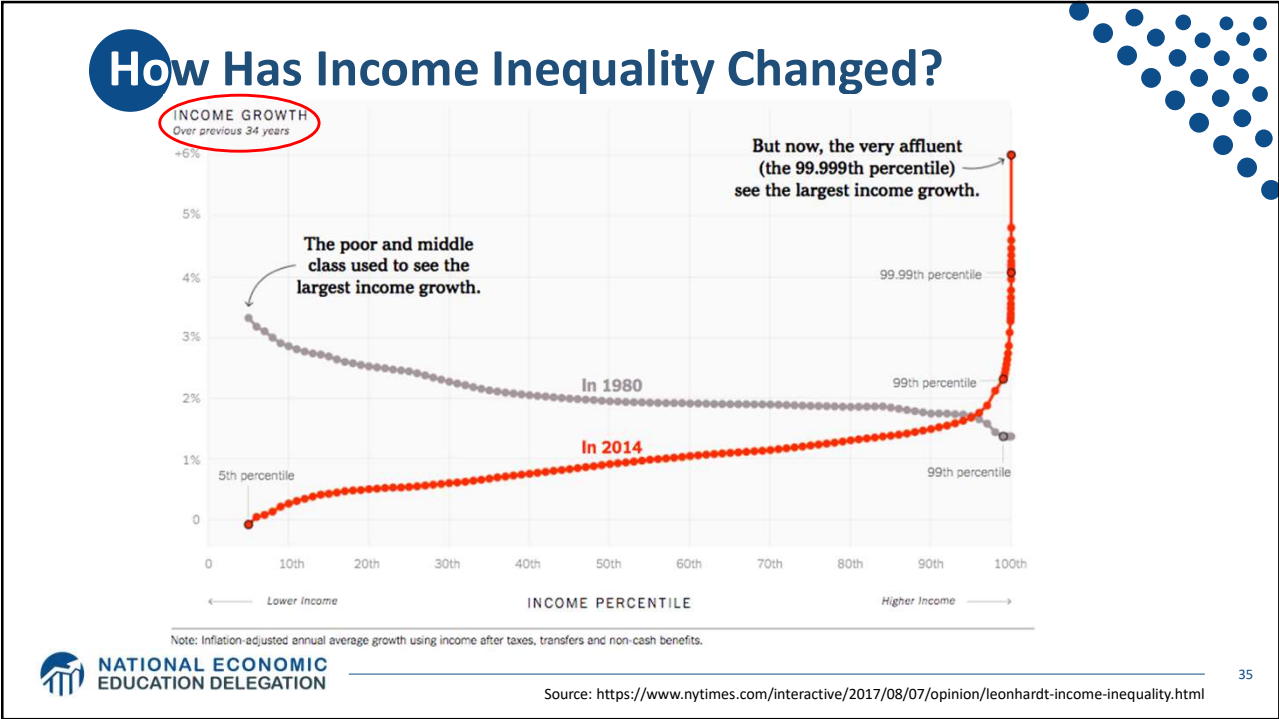
33

## Why Does Inequality Matter?

- **Economic Reason:** too much inequality slows economic growth.
- **Ethical Reasons:** concern for our neighbors. (What makes a Good Society?)
- **Political Reasons:** political polarization leads to government paralysis and an inability to take needed action.



NATIONAL ECONOMIC  
EDUCATION DELEGATION



35

## Average Income Growth by Generation

Generation	Bottom 50%	Middle 40%	Top 10%	Top 1%
Greatest (46-70)	2.85	2.57	2.03	1.27
Boomer (70-94)	0.15	1.20	1.86	2.28
Gen X (94-15)	0.61	0.93	1.94	2.56

Distributional National Accounts: Methods and Estimates for the United States (with T. Piketty and E. Saez, Accessed from: <https://gabriel-zucman.eu/usdina/> and my calculations.

Something changed in the nature of our economy and society somewhere at about the same time as the rise in inequality.

**NATIONAL ECONOMIC EDUCATION DELEGATION**

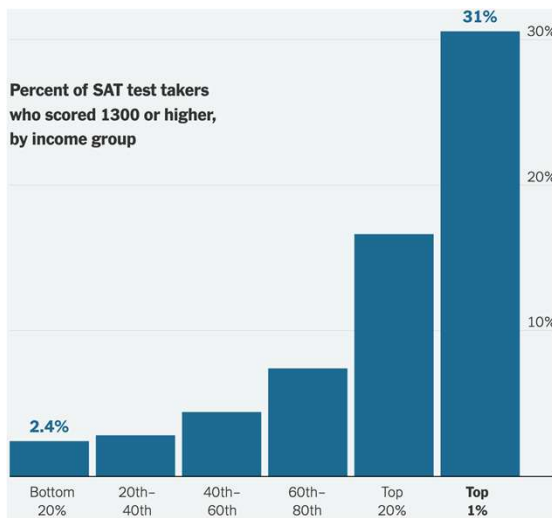
36



## Is it Still a “Meritocracy?”

- The key question is whether there is equal opportunity for a college education.
- Without equal access, the meritocracy based on educational attainment becomes an aristocracy.

## To Emphasize Educational Access Issue



What do these numbers reflect?

It gets worse. With “All Students” instead of “test takers” in the bottom 20% scoring above 1300 falls to 0.6%

And worse(er?)...

Elite schools twice as likely to admit student from a high income family as a low to middle income family

Higher admission rates for the high income is due to: 1) “Legacies; 2) higher “non-academic” rankings; 3) Athletic recruitment

## Reinstate the SAT!

### • Don't Let the Bad be the Enemy of the Better!

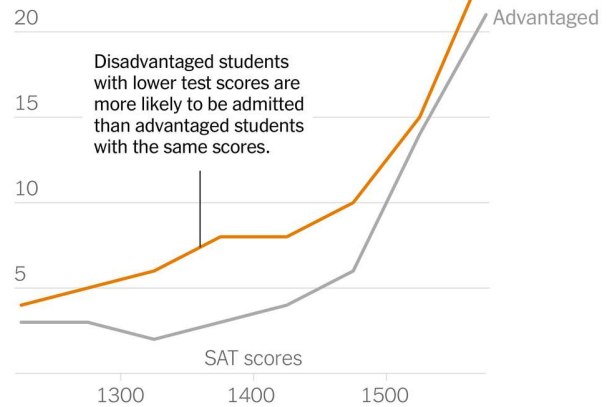
- Harvard
- Yale
- Dartmouth
- Brown
- Cornell
- Caltech
- Georgetown
- MIT
- Vanderbilt



NATIONAL ECONOMIC  
EDUCATION DELEGATION

### Share of students admitted to Dartmouth, by test scores and student advantage

25% of students admitted



## Our Imperfect Meritocracy Hurts Rich and Poor

- Poor are hurt because there is less equality of opportunity
- Poor are hurt because in a “meritocracy” your lack of success is due to your failings.
- Rich are hurt because they have to work harder to confirm their status.
- Rich are hurt because they make their children compete at an earlier age (Tiger Moms, SAT prep courses).
- We are all hurt because of the growing segregation between the rich and poor and increasing polarization



NATIONAL ECONOMIC  
EDUCATION DELEGATION

42

## What to do About Inequality?

- **Government policies to reduce material inequality:**
  1. Greater Progressivity of Tax/Transfer System.
  2. Fix Social Security and Medicare Funding, but **NOT** by raising age of eligibility. (<https://www.brookings.edu/articles/fixing-social-security-blueprint-for-a-bipartisan-solution/>)
  3. Tax capital gains at death.
  4. Encourage re-unionization of industry. (?)
  5. Put limits on low-skilled immigration. (?)
  6. Raise Minimum Wage (?)
  7. Industrial policies to provide meaningful work for non-BAs. (?)

## What To Do about the “New Inequality”

1. Research shows that high-quality birth-to-five programs for disadvantaged children can deliver a 13% return on the investment. (James Heckman)
2. Somehow improve public schools.
3. Encourage students from low-income families to apply to quality colleges (Carolyn Hoxby)
4. Encourage colleges to practice affirmative action based on socioeconomic status (William Bowen).
5. Invest in community colleges.
6. Reinststitute National Service to lessen socioeconomic and racial segregation. (?)

## A Bigger Thinker: Michael Sandal

1. Reducing material inequality is insufficient; we need to raise social recognition and esteem for all people.
2. “Broad democratic equality of condition,” that goes beyond equal opportunity.
3. Renewing the dignity of work.
4. Rethinking merit: educating the elite about the role of luck and family background.
5. Ongoing public discussion about moral questions.
6. Promote solidarity and a shared vision

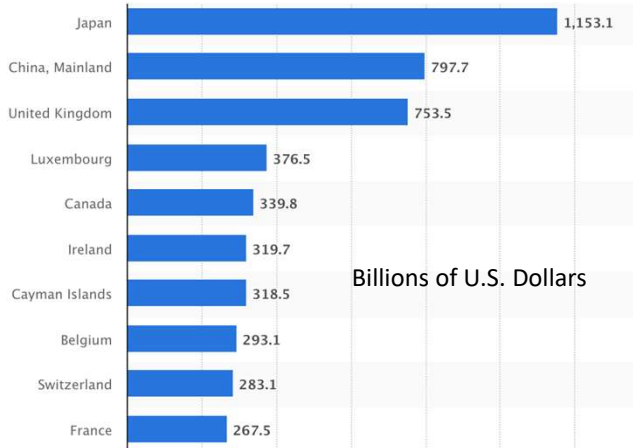


## Readings on the New Inequality

<https://sites.google.com/view/macro-current-issues/new-inequality>



# Next Week Who Holds Debt to Foreigners, Jan. 2024



Foreign ownership is relatively recent  
 – in 1990 foreign ownership was less than 20%  
 – peaked at 40+%  
 – now is 29.4%

# Let's Hear from You!

**Geoffrey Woglom**  
 grwoglom@amherst.edu

My Google site:  
<https://sites.google.com/view/macro-current-issues/new-inequality>

Contact NEED: [Info@NEEDEcon.org](mailto:Info@NEEDEcon.org)