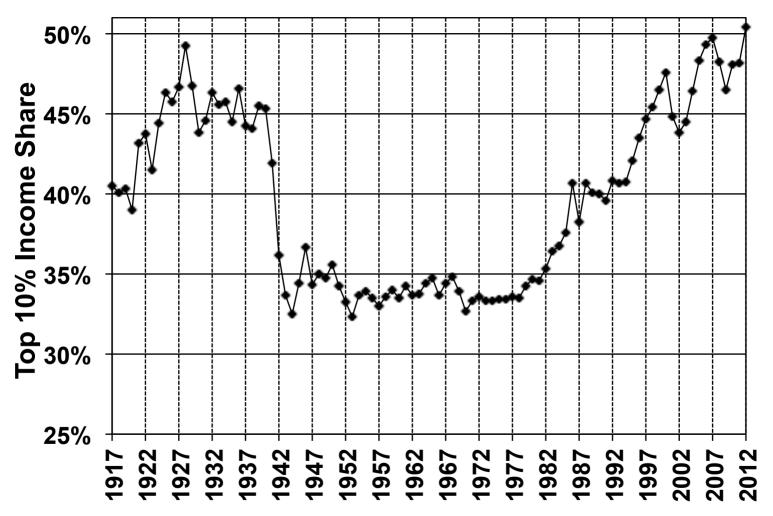
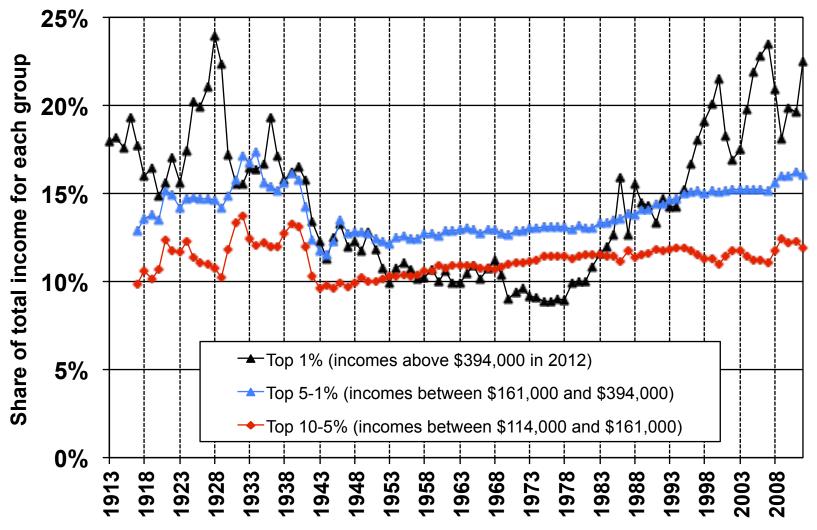
Top 10% Pre-tax Income Share in the US, 1917-2012



Source: Piketty and Saez, 2003 updated to 2012. Series based on pre-tax cash market income including realized capital gains and excluding government transfers. 2012 data based on preliminary statistics

Decomposing Top 10% into 3 Groups, 1913-2012



Source: Piketty and Saez, 2003 updated to 2012. Series based on pre-tax cash market income including realized capital gains and excluding government transfers. 2012 data based on preliminary statistics.

The Four Questions of Public Finance

APPLICATION

1.1

The Congressional Budget Office: Government Scorekeepers

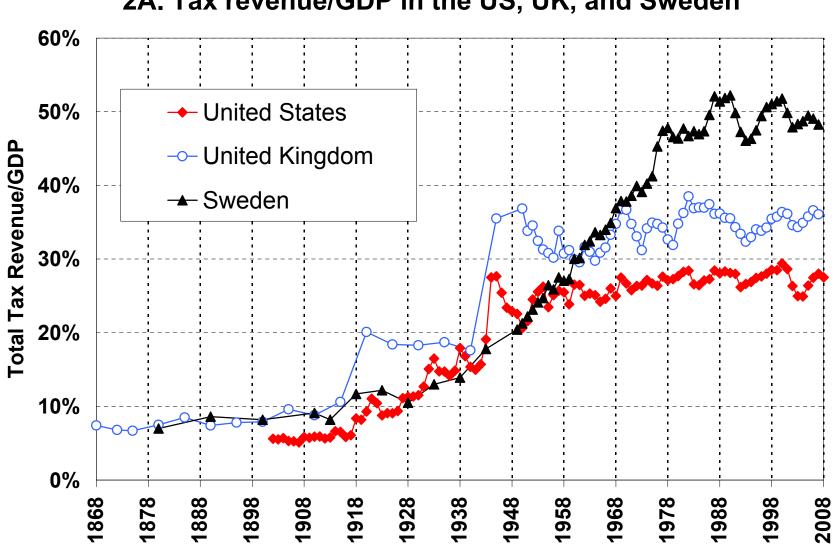
The methods and results derived from empirical economics are central to the development of public policy at all levels of government.



"We don't use the Congressional Budget Office. We have our own figures."

- The Congressional Budget Office (CBO) provides Congress with the objective, timely, nonpartisan analyses needed for economic and budget decisions.
- The CBO increasingly plays a critical role as a "scorekeeper" for government policy debates.
- Legislative spending proposals that are to become law must first have their costs estimated by the analysts at the CBO.

It is not an overstatement to say that the economists who work at the CBO frequently hold the fate of a legislative proposal in their hands. The large price tag that the CBO assigned to the Clinton administration's plan to reform health care in the United States in 1994 is often cited as a key factor in the defeat of that proposal.

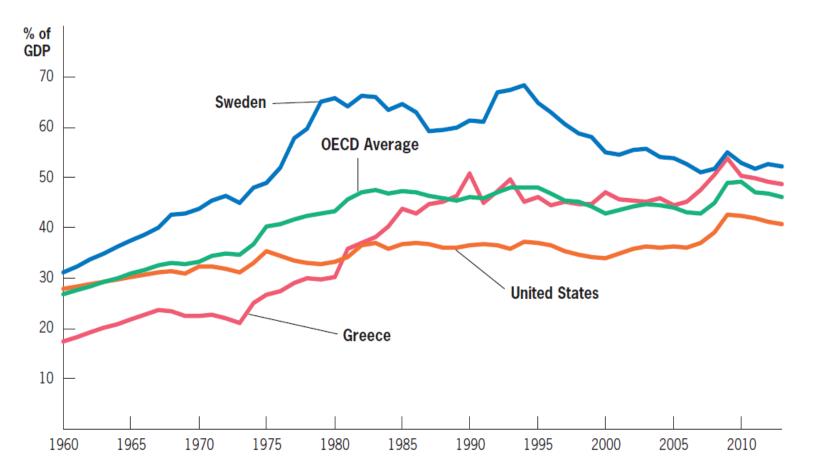


2A. Tax revenue/GDP in the US, UK, and Sweden

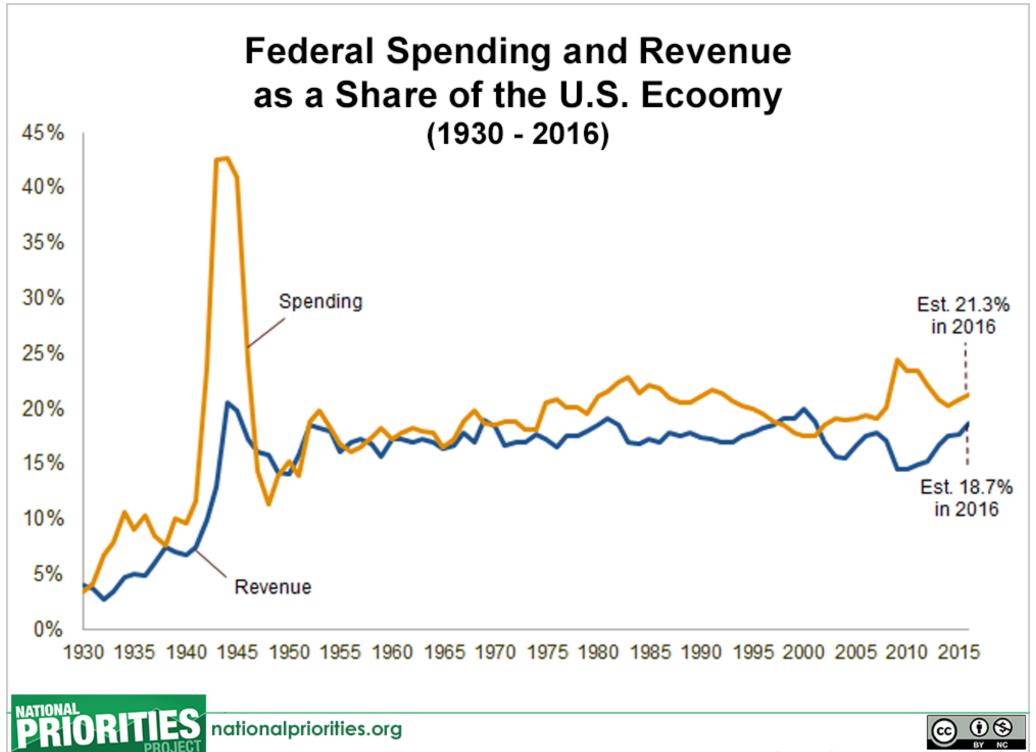
Source: Kleven-Kreiner-Saez NBER WP 2009

Total Government Spending Across Developed Nations, 1960–2013

1.2

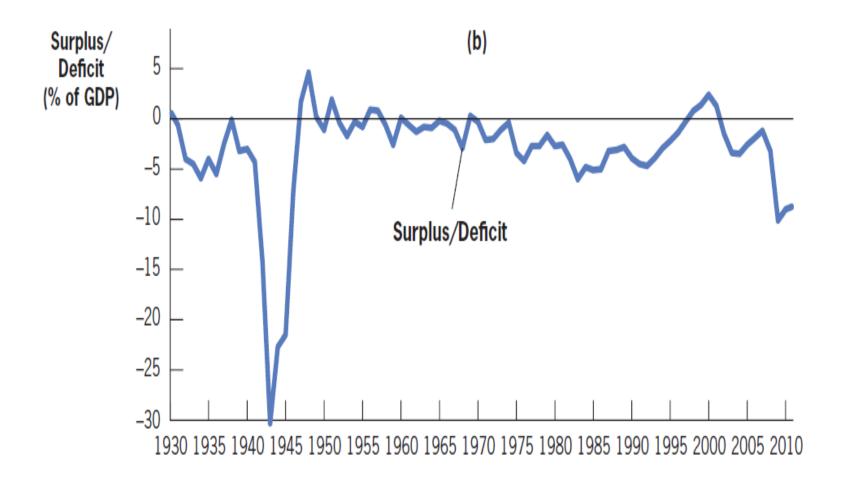


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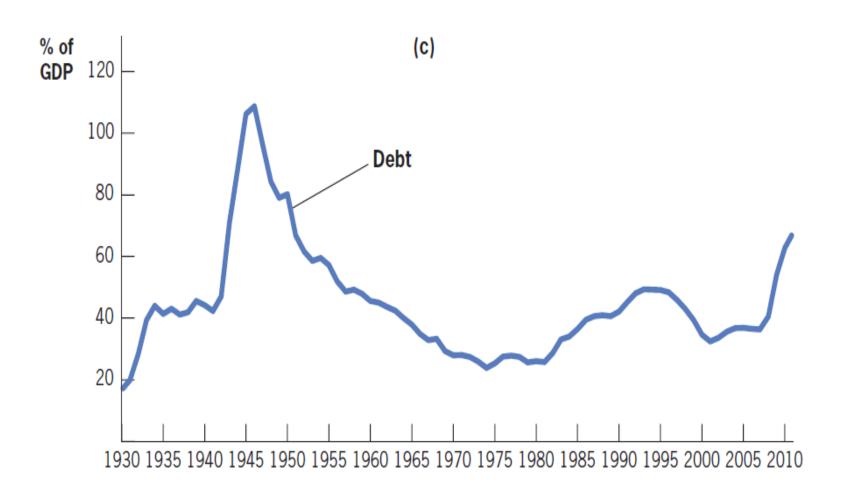
Federal Surplus/Deficit, 1930–2011

1.2



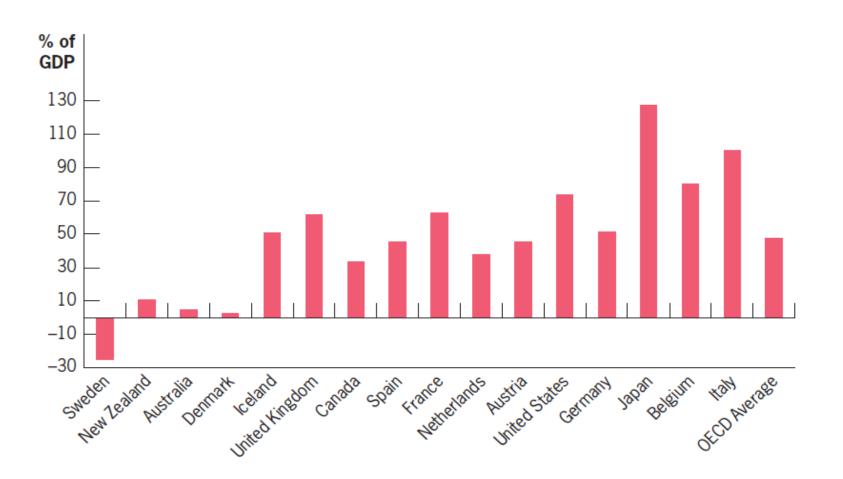
Federal Debt, 1930-2011

1.2



Debt Level of OECD Nations in 2011

1.2

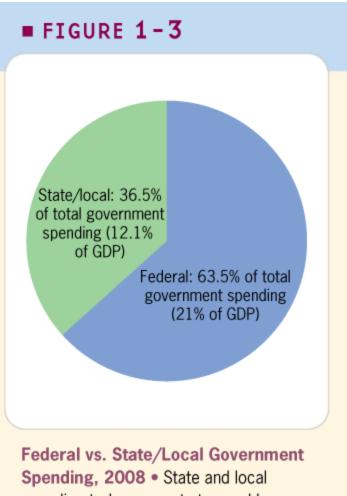


Why Study Public Finance? Facts on Government in the United States and around the World

Decentralization

1.2

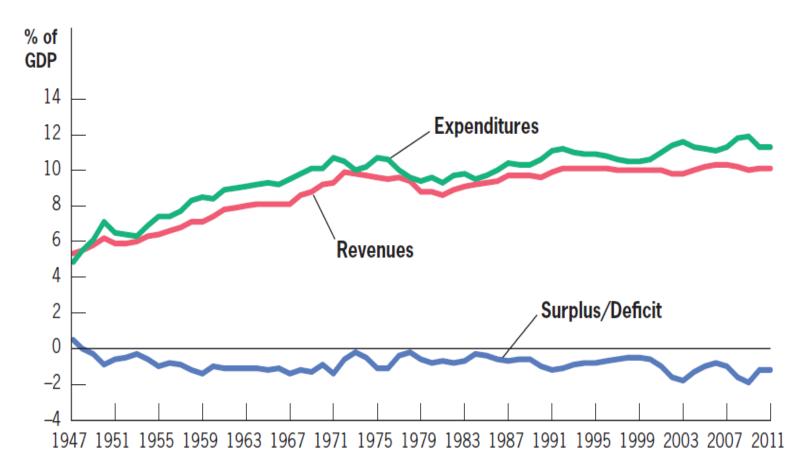
A key feature of governments is the degree of *centralization* across local and national government units—that is, the extent to which spending is concentrated at higher (federal) levels or lower (state and local) levels.



spending, 2008 • State and local spending today amounts to roughly onethird of total government spending in the United States, at over 12% of GDP.

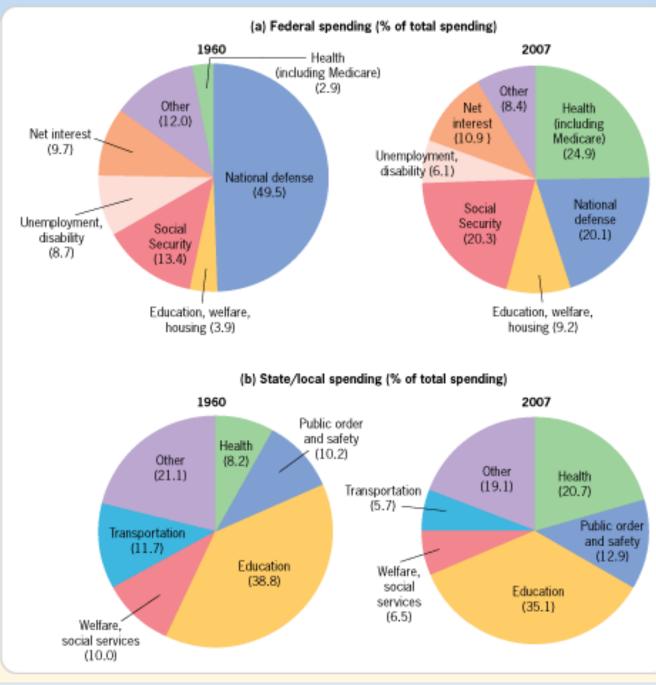
State and Local Government Receipts, Expenditures, and Surplus, 1947–2008

1.2



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FIGURE 1-7



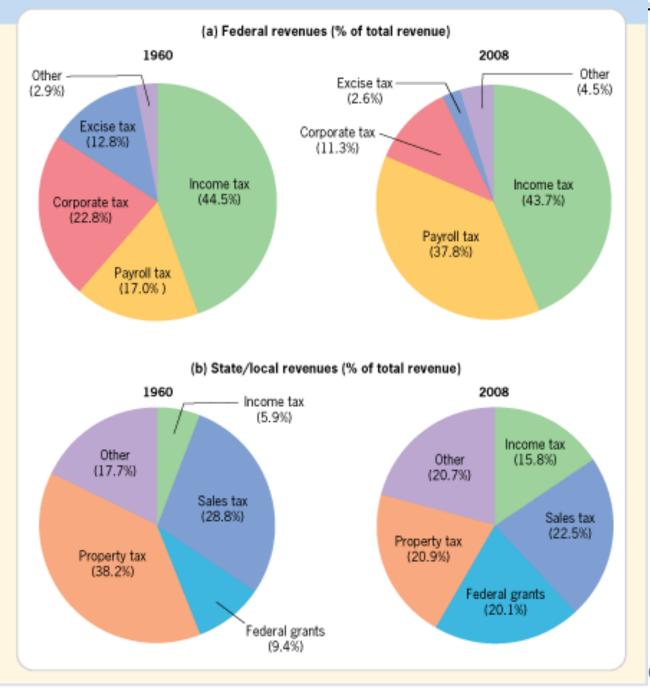
TUDY PUBLIC ECONOMICS?

Distribution of Spending

The Distribution of **Federal and State** Expenditures, 1960 and **2007** • This figure shows the changing composition of federal and state spending over time, as a share of total spending. (a) For the federal government, defense spending has fallen and Social Security and health spending have risen. (b) For the states, the distribution has been more constant, with a small decline in education and welfare spending and a rise in health spending.

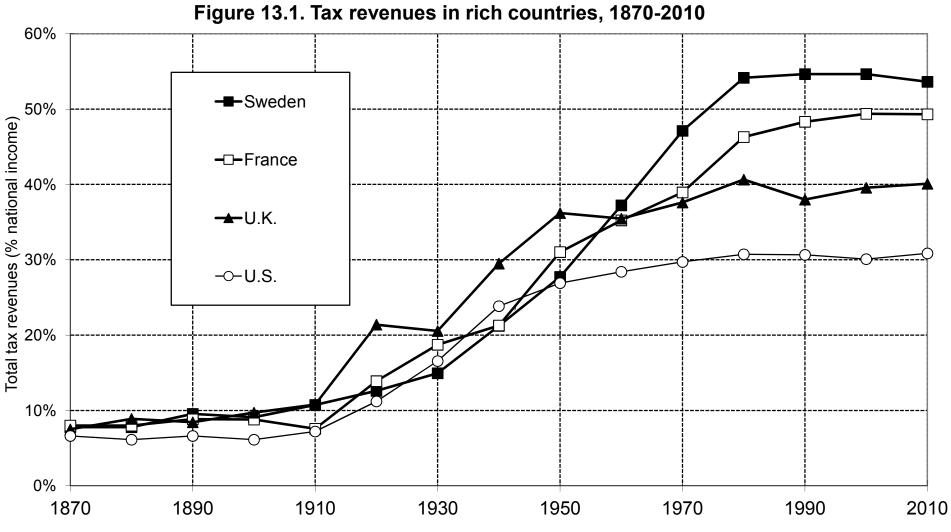
VHY STUDY PUBLIC ECONOMICS?

FIGURE 1-8



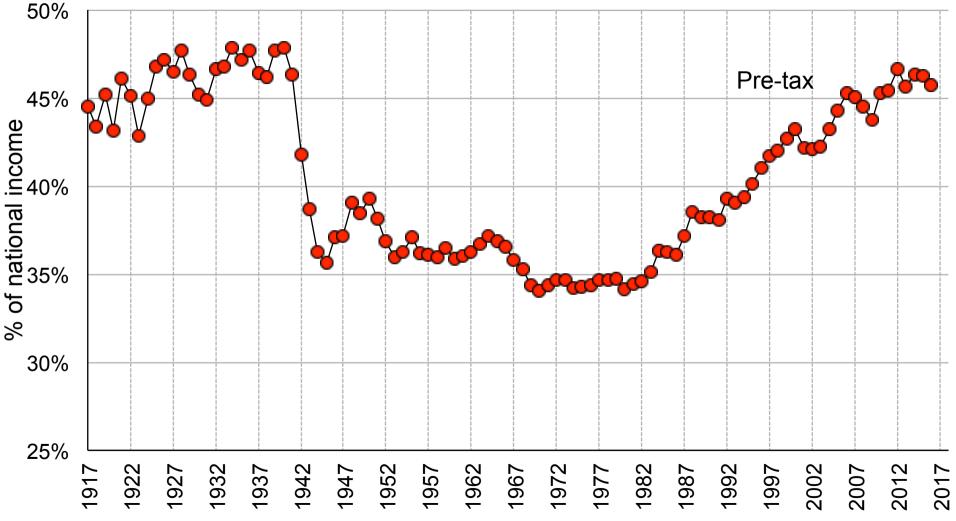
Distribution of Revenue Sources

The Distribution of Federal and State Revenues, 1960 and 2008 • This figure shows the changing composition of federal and state revenue sources over time, as a share of total revenues. (a) At the federal level, there has been a large reduction in corporate and excise tax revenues and a rise in payroll tax revenues. (b) For the states, there has been a decline in property taxes and a rise in income taxes and federal grants.



Total tax revenues were less than 10% of national income in rich countries until 1900-1910; they represent between 30% and 55% of national income in 2000-2010. Sources and series: see piketty.pse.ens.fr/capital21c.

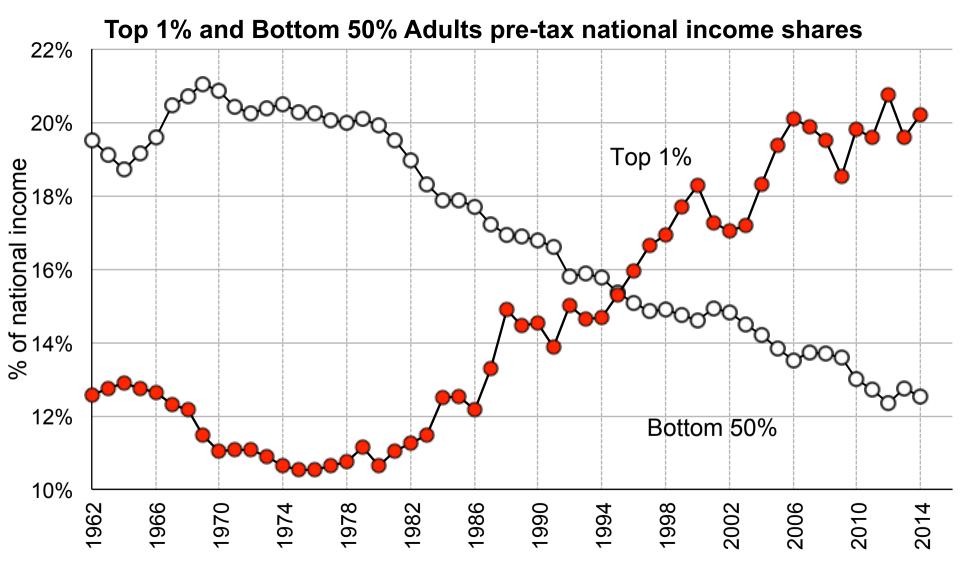
Share of pre-tax national income going to top 10% adults



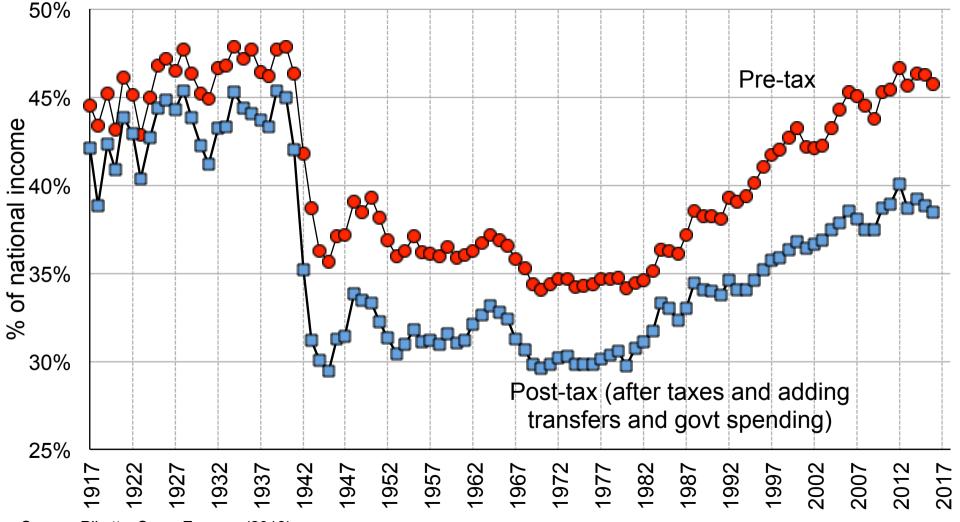
Source: Piketty, Saez, and Zucman (2018)

60,000 Average national income per adult: constant 2014 dollars 61% growth from 1980 to 2014 50,000 40,000 aqaaqaaa Average income in 30,000 Bottom 90% pre-tax: 30% growth from 1980 to 2014 20,000 10,000 Bottom 50% pre-tax: 1% growth from 1980 to 2014 0 962 906 970 974 978 982 986 1990 998 2002 2006 2010 2014 994

Average, bottom 90%, bottom 50% real incomes per adult



Top 10% national income share: pre-tax vs. post-tax



Source: Piketty, Saez, Zucman (2018)

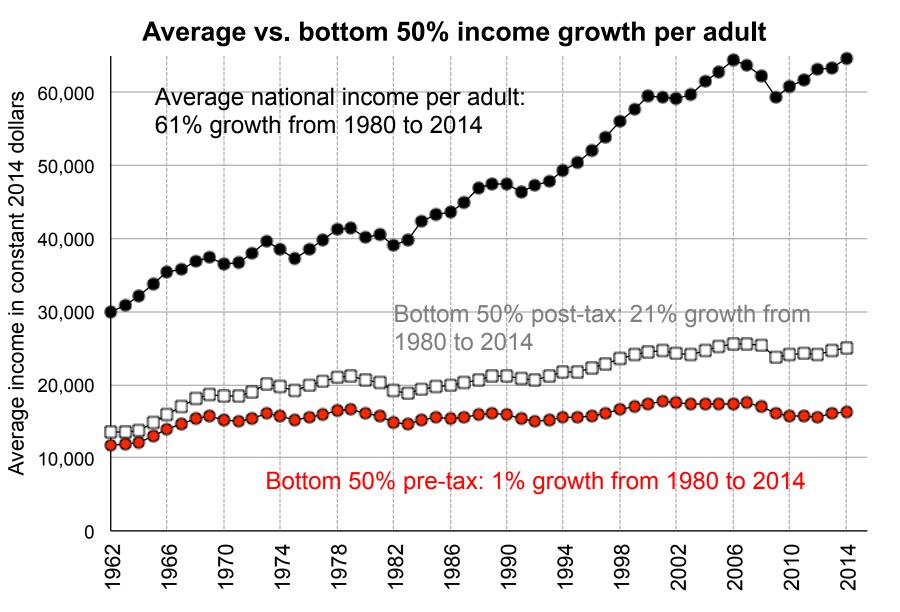
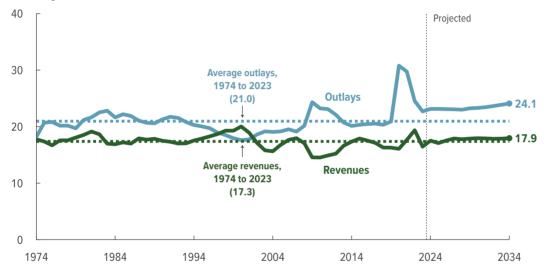


Figure 1-3.

Total Federal Outlays and RevenuesFederal goverment only (state+local excluded)

Percentage of GDP

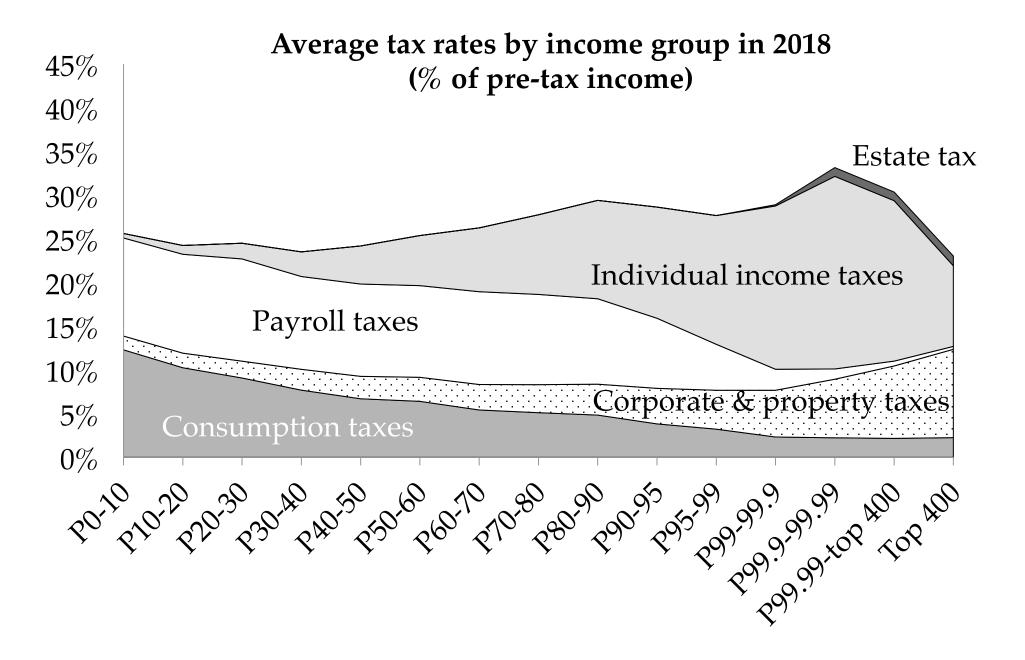


Measured as a percentage of GDP, projected outlays remain about the same for the next several years as growth in outlays for interest payments is offset by decreases in discretionary spending. Over the 2024–2034 period, outlays exceed their 50-year average by more than revenues exceed their historical average.

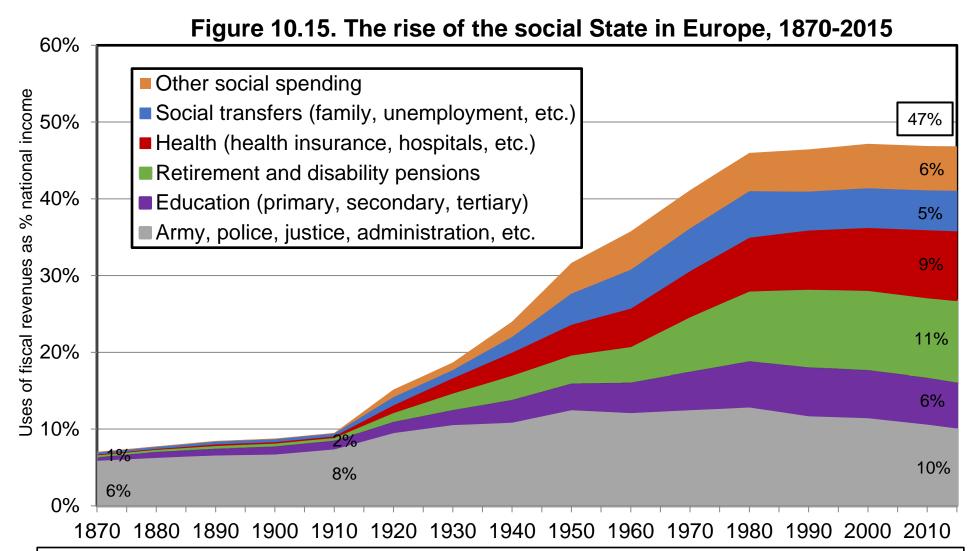
Data source: Congressional Budget Office. See www.cbo.gov/publication/59710#data.

When October 1 (the first day of the fiscal year) falls on a weekend, certain payments that would have ordinarily been made on that day are instead made at the end of September and thus are shifted into the previous fiscal year. All projections presented here have been adjusted to exclude the effects of those timing shifts. Historical amounts have been adjusted as far back as the available data will allow.

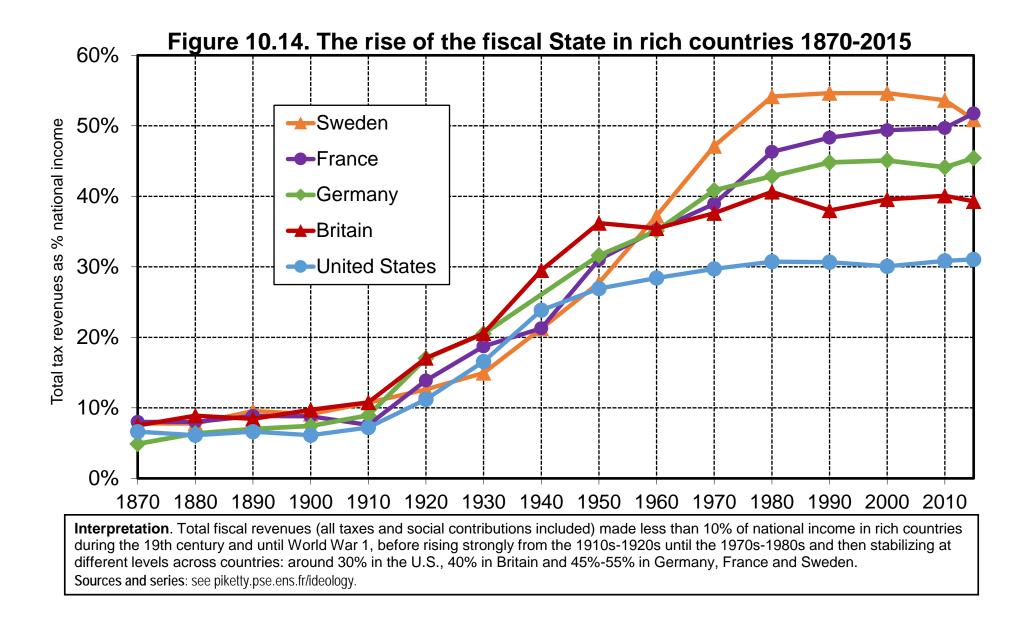
GDP = gross domestic product.



Source: Saez and Zucman (2019)



Interpretation. In 2015, fiscal revenues represented 47% of national income on average in Western Europe et were used as follows: 10% of national income for regalian expenditure (army, police, justice, general administration, basic infrastructure: roads, etc.); 6% for education; 11% for pensions; 9% for health; 5% for social transfers (other than pensions); 6% for other social spending (housing, etc.). Before 1914, regalian expenditure absorbed almost all fiscal revenues. **Note.** The evolution depicted here is the average of Germany, France, Britain and Sweden (see figure 10.14). Sources and séries: see piketty.pse.ens.fr/ideology.



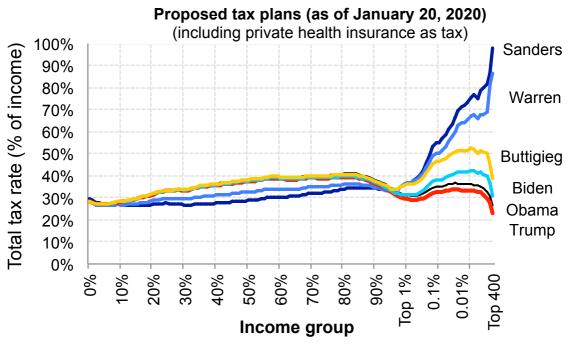
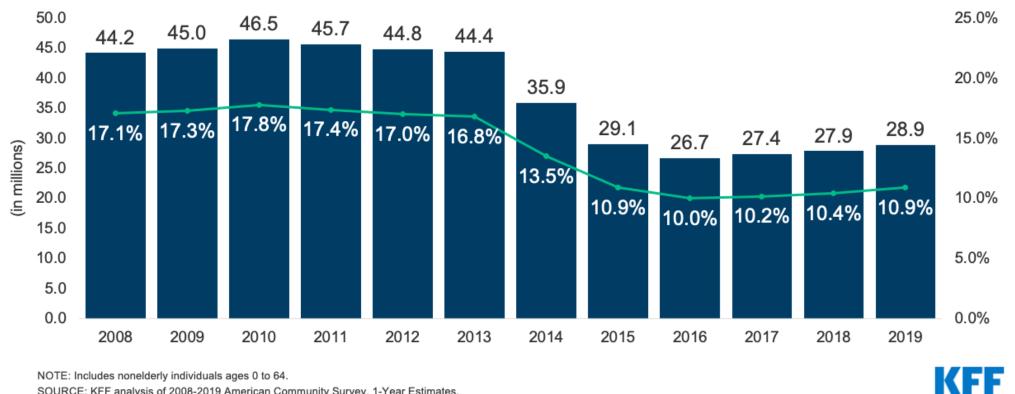


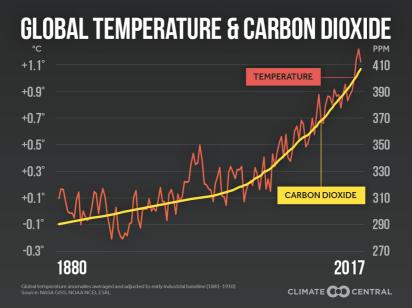
Figure 1

Number of Uninsured and Uninsured Rate among the Nonelderly Population, 2008-2019

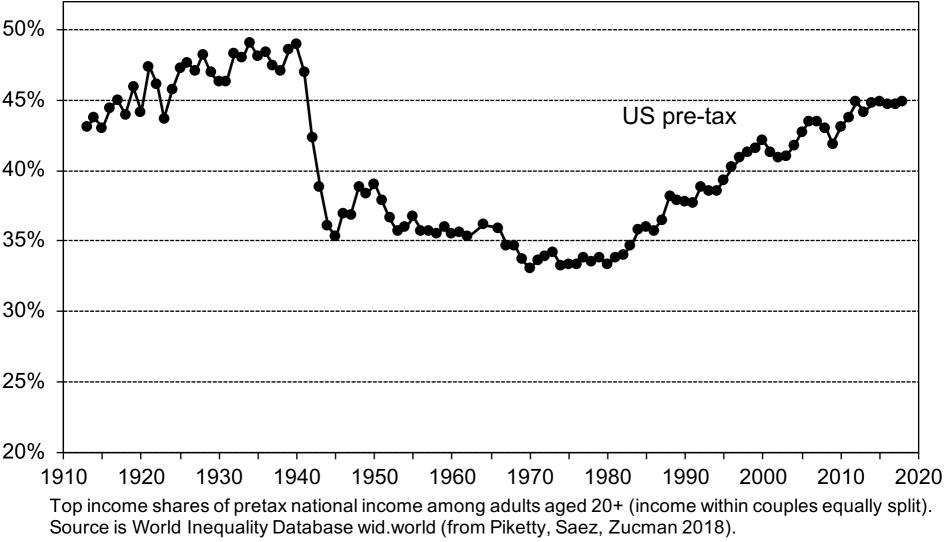


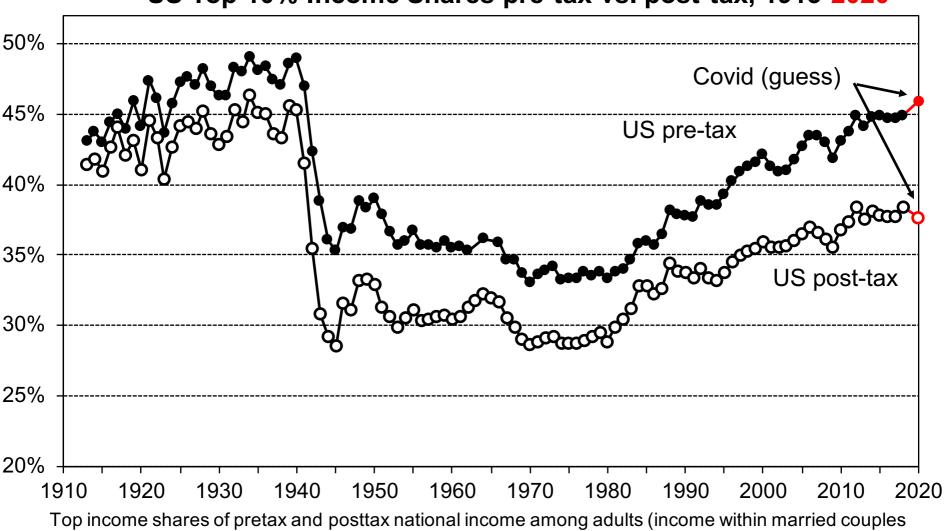
NOTE: Includes nonelderly individuals ages 0 to 64.

SOURCE: KFF analysis of 2008-2019 American Community Survey, 1-Year Estimates.



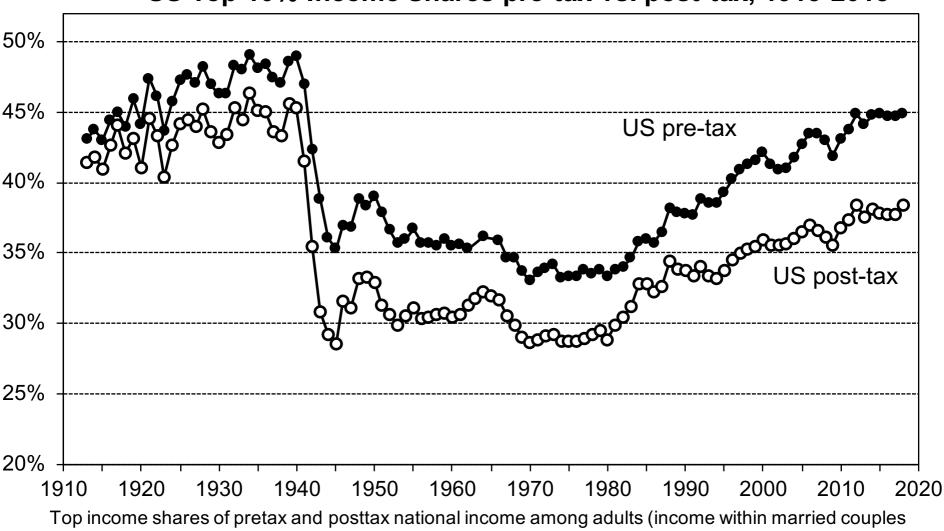






US Top 10% Income Shares pre-tax vs. post-tax, 1913-2020

equally split). Source is Piketty, Saez, Zucman (2018) for US and Piketty et al. (2020) for France.



US Top 10% Income Shares pre-tax vs. post-tax, 1913-2018

Top income shares of pretax and posttax national income among adults (income within married couples equally split). Source is Piketty, Saez, Zucman (2018) for US and Piketty et al. (2020) for France.