Income and Wealth Inequality

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Introduction

We set the stage by examining trends in raw data:

- Income and wealth distribution over time
- and across countries

Basic Statistics

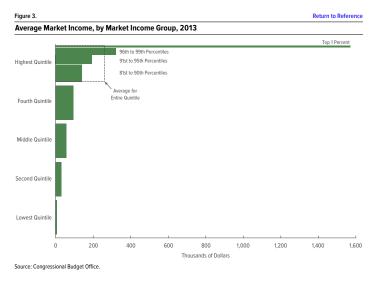
Table 2

Concentration and Skewness of the Distributions

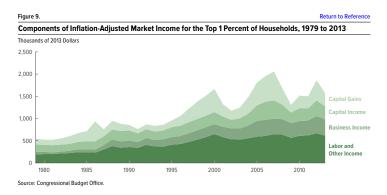
| 4.32 | |
|------|------------|
| | 6.02 |
| 0.99 | 4.53 |
| 0.58 | 0.82 |
| 88 | 1,526 |
| 74 | 80 |
| 1 77 | 4.61 |
| | 74 1.77 |

Diaz-Gimenez et al. (2011)

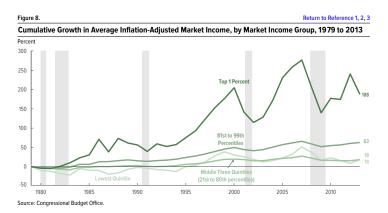
Income Levels



Income Components over Time



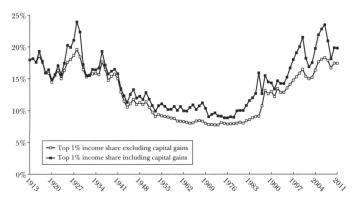
Rising Dispersion



Rising Incomes at the Top

Figure 1

Top 1 Percent Income Share in the United States



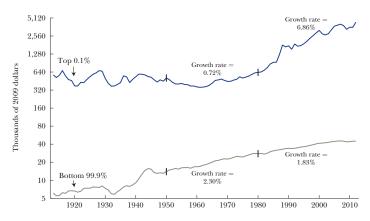
Source: Source is Piketty and Saez (2003) and the World Top Incomes Database.

Notes: The figure reports the share of total income earned by top 1 percent families in the United States from 1913 to 2011. Income is defined as pre-tax market income; it excludes government transfers and nontaxable fringe benefits. The figure reports series including realized capital gains (solid squares) and series excluding realized capital gains (hollow squares).

Alvaredo et al. (2013)

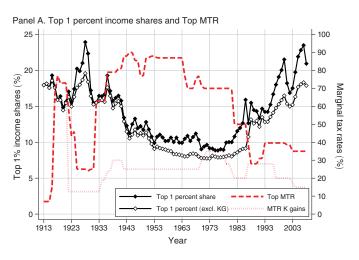
The rich and the rest

Figure 1
GDP per Person, Top 0.1 Percent and Bottom 99.9 Percent



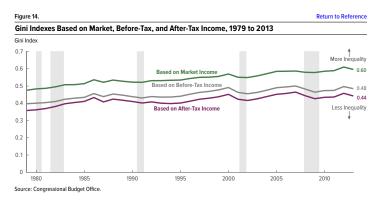
Source: Jones (2015)

Top Tax Rates



Piketty et al. (2014)

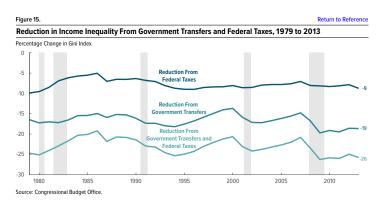
Redistribution



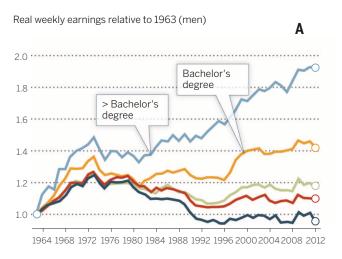
Source: Congressional Budget Office (2016)

Before tax income = market income + transfers.

Redistribution



Returns to Skill

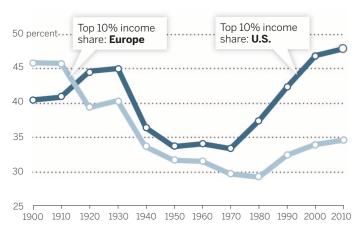


Source: Autor (2014)

Remarkable: No wage gains for high school grads since 1970

Long-run Perspective

Share of top income decile in total pretax income



Source: Piketty and Saez (2014)

Top Wealth Shares

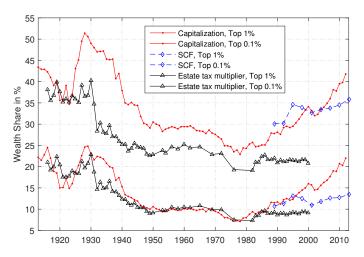
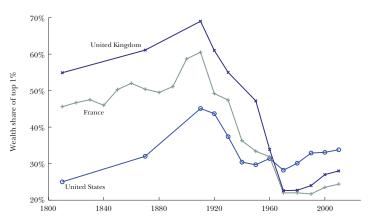


Figure 1: Top wealth share measurements over time

Hubmer et al. (2020)

Cross-country comparison

Figure 3 Wealth Shares of the Top 1% in Three Countries, 1800 to 2010



Source: Jones (2015)

Data Sources

Panel data:

- ► PSID, NLSY, SIPP, ...
- possible to see how wealth is accumulated
- possible to construct lifetime incomes and sources
- ▶ fail to sample the top 1%

SCF

Survey of Consumer Finances

Detailed income and wealth information

Oversamples the rich

Cross section data - cannot follow individuals over time

Small samples

Administrative data

Social security earnings histories

Benefits:

- no measurement error
- huge samples

Drawbacks:

- ► almost impossible to access
- ► limited background info

Guvenen et al. (2014), Guvenen et al. (2017)

World Top Incomes Database

- Based on tax returns (mostly).
- Multiple countries.
- Some imputations for wealth.
- Piketty and Saez (2003), Alvaredo et al. (2013)
- Fagereng et al. (2016):
 - question the accuracy of the Piketty and Saez (2014) inference from tax returns for top wealth holdings.
 - uses administrative data from Norway.

References I

- Alvaredo, F., Atkinson, A.B., Piketty, T., Saez, E., 2013. The Top 1 Percent in International and Historical Perspective. The Journal of Economic Perspectives 27, 3–20. URL: http://www.jstor.org/stable/41955542.
- Autor, D.H., 2014. Skills, education, and the rise of earnings inequality among the" other 99 percent". Science 344, 843–851.
- Congressional Budget Office, 2016. The Distribution of Household Income and Federal Taxes, 2013. Technical Report. Washington, D.C.
- Diaz-Gimenez, J., Glover, A., Rios-Rull, J.V., 2011. Facts on the distributions of earnings, income, and wealth in the united states: 2007 update. Federal Reserve Bank of Minneapolis Quarterly Review 34, 2–31.

References II

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Fagereng, A., Guiso, L., Malacrino, D., Pistaferri, L., 2016.
  Heterogeneity in Returns to Wealth and the Measurement of
  Wealth Inequality. American Economic Review 106, 651–655.
  URL: https:
  //www.aeaweb.org/articles?id=10.1257/aer.p20161022,
  doi:10.1257/aer.p20161022.
Guvenen, F., Ozkan, S., Song, J., 2014. The Nature of
  Countercyclical Income Risk. Journal of Political Economy 122.
  621-660. URL:
  http://www.jstor.org/stable/10.1086/675535,
  doi:10.1086/675535. publisher: The University of Chicago
  Press.
```

References III

- Guvenen, F., Schulhofer-Wohl, S., Song, J., Yogo, M., 2017. Worker Betas: Five Facts about Systematic Earnings Risk. The American Economic Review 107, 398–403. URL: http://www.jstor.org/stable/44250429. publisher: American Economic Association.
- Hubmer, J., Krusell, P., Smith Jr, A.A., 2020. Sources of US wealth inequality: Past, present, and future, in: NBER macroeconomics annual 2020, volume 35. University of Chicago Press. URL: https://www.nber.org/system/files/chapters/c14486/c14486.pdf.
- Jones, C.I., 2015. Pareto and piketty: The macroeconomics of top income and wealth inequality. The Journal of Economic Perspectives 29, 29–46.
- Piketty, T., Saez, E., 2003. Income Inequality in the United States, 1913-1998. The Quarterly Journal of Economics 118, 1–39. URL: http://www.jstor.org/stable/25053897.

References IV

- Piketty, T., Saez, E., 2014. Inequality in the long run. Science 344, 838–843. URL: https://www.jstor.org/stable/24743922.
- Piketty, T., Saez, E., Stantcheva, S., 2014. Optimal taxation of top labor incomes: A tale of three elasticities. American economic journal: economic policy 6, 230–271.