Wealth inequality measurement: Methods and evidence from HFCS

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Reading list

Drawing on Cowell and Van Kerm (2015), this lecture covers a range of issues in measuring wealth inequality using survey data (and focuses on how different it is from looking at income inequality). As we go, we will also examine some pieces of evidence drawn from the Eurozone Household Finance and Consumption Survey and the Luxembourg Wealth Study (mostly drawn from Cowell et al., 2017, Morelli et al., 2018, Chauvel et al., 2019).

A lot of the material covered in the lecture is also reviewed in Jenkins and Jäntti (2005) and Cowell and Flachaire (2015).

References

- Alfons, A., Templ, M. and Filzmoser, P. (2013), 'Robust estimation of economic indicators from survey samples based on Pareto tail modelling', *Journal of the Royal Statistical Society: Series C (Applied Statistics)* **62**(2), 1–16.
- Almås, I. and Mogstad, M. (2012), 'Older or wealthier? The impact of age adjustment on wealth inequality', Scandinavian Journal of Economics 114(1), 24–54.
- Berrebi, Z. M. and Silber, J. (1985), 'The Gini coefficient and negative income: A comment', Oxford Economic Papers 37(3), 525-526

 $\mathbf{URL:}\ http://www.jstor.org/stable/2663310$

- Blanchet, T., Fournier, J. and Piketty, T. (2017), Generalized Pareto curves: Theory and applications, WID.world Working Paper 2017/3, World Wealth and Income Database, Paris.
- Charpentier, A. and Flachaire, E. (2019), Pareto models for top incomes, Université Paris Panthéon-Sorbonne (Post-Print and Working Papers) hal-02145024, HAL.

 $\mathbf{URL:}\ https://ideas.repec.org/p/hal/cesptp/hal-02145024.html$

- Chauvel, L., Hartung, A., Bar-Haim, E. and Van Kerm, P. (2019), Income and wealth above the median: New measurements and results for Europe and the United States, in K. Decancq and P. Van Kerm, eds, 'What Drives Inequality?', Vol. 27 of Research on Economic Inequality, Emerald Publishing Limited, pp. 89–104.
- Chen, C.-N., Tsaur, T.-W. and Rhai, T.-S. (1982), 'The Gini coefficient and negative income', Oxford Economic Papers 34(3), 473–478.

 $\mathbf{URL:}\ http://www.jstor.org/stable/2662589$

Cowell, F. A. and Flachaire, E. (2007), 'Income distribution and inequality measurement: The problem of extreme values', *Journal of Econometrics* **141**(2), 1044–1072. doi:10.1016/j.jeconom.2007.01.001.

- Cowell, F. A. and Flachaire, E. (2015), Statistical methods for distributional analysis, in A. B. Atkinson and F. Bourguignon, eds, 'Handbook of Income Distribution', Vol. 2, Elsevier, chapter 6, pp. 359–465.

 URL: http://darp.lse.ac.uk/papersdb/Cowell-Flachaire_Handbook.pdf
- Cowell, F. A., Nolan, B., Olivera, J. and Van Kerm, P. (2017), Wealth, top incomes, and inequality, in K. Hamilton and C. Hepburn, eds, 'National Wealth: What is Missing, Why it Matters', Oxford University Press, Oxford, UK, chapter 8, pp. 175–203.
- Cowell, F. A. and Van Kerm, P. (2015), 'Wealth inequality: A survey', Journal of Economic Surveys 29(4), 671-710.
- Davidson, R. and Flachaire, E. (2007), 'Asymptotic and bootstrap inference for inequality and poverty measures', Journal of Econometrics 141(1), 141–166.
- Eckerstorfer, P., Halak, J., Kapeller, J., Schütz, B., Springholz, F. and Rafael, W. (2016), 'Correcting for the missing rich: An application to wealth survey data', *Review of Income and Wealth* **62**(4), 605–627.
- Jenkins, S. P. and Jäntti, M. (2005), Methods for summarizing and comparing wealth distributions, ISER Working Paper 2005-05, Institute for Social and Economic Research, University of Essex, Colchester, UK. http://www.iser.essex.ac.uk/pubs/workpaps/pdf/2005-05.pdf, forthcoming in Construction and Usage of Comparable Microdata on Household Wealth: The Luxembourg Wealth Study, Banca d'Italia, Roma.
- Kennickell, A. B. (2019), 'The tail that wags: differences in effective right tail coverage and estimates of wealth inequality', *The Journal of Economic Inequality* 17(4), 443–459.
- Morelli, S., Nolan, B. and Van Kerm, P. (2018), Wealth inequality, in B. Nolan, ed., 'Generating Prosperity for Working Families in Affluent Countries', Oxford University Press.
- Paglin, M. (1975), 'The measurement and trend of inequality: A basic revision', The American Economic Review 65(4), 598-609.
- Van Kerm, P. (2007), Extreme incomes and the estimation of poverty and inequality indicators from EU-SILC, IRISS Working Paper 2007-01, CEPS/INSTEAD, Differdange, Luxembourg.
- Vermeulen, P. (2016), 'Estimating the top tail of the wealth distribution', American Economic Review: Papers & Proceedings 106(5), 646–650.