

864 LIS country-year samples isoginis (2024)

prepared by Louis Chauvel

This dataset provides estimates, including standard deviations, of isoginis across 864 cyyyy country-year samples from the LIS dataset (LIS release March 2024). Isoginis represent innovative indicators of inequality across various percentile levels, akin to the conventional Gini index. For further details, refer to the paper:

Louis Chauvel, 2024, "Isogini as a Set of Indicators to Compare Trends and Shapes of Income Inequality: The Fading Swedish Middle-Class Society in a World of Diverse Dynamics", *Inequality Matters, Quarterly updates on inequality research*, Issue No.29 (March 2024). <https://www.lisdatacenter.org/newsletter/nl-2024-29-im-1/>

In addition to isoginis, the dataset includes indicators such as sigma (indicating the slope of imbalance between upper and lower tail inequality) and pi (measuring polarization). Furthermore, the proportion at risk of poverty (pora) ie below 50% of the median, and its log-symmetric for those at risk of richness (rira) ie above 2 times the median, are also provided.

Isoginis were computed using version 2 of the STATA module 'isogini' (accessible via 'ssc install isogini'), as described by Louis Chauvel in the associated publication.

(see Louis Chauvel, 2024. "ISOGINI: Stata module to estimate isogini measures at different percentiles," Statistical Software Components S459299, Boston College Department of Economics, revised 16 Mar 2024. <https://ideas.repec.org/c/boc/bocode/s459299.html>)

The standard deviation of each estimate come from a 50-repetitions bootstrap included in then isogini module.

Users of this database are kindly requested to cite it as follows: "Chauvel, L. (2024). '864 LIS Country-Year Samples Isoginis', available at <https://www.lisdatacenter.org/resources/other-databases/>."

[Database \(Stata format\) LIS 864 isoginis.dta](#)

[Database \(CSV format\) LIS 864 isoginis.csv](#)

Documentation and Codebook:

See paper <https://www.lisdatacenter.org/newsletter/nl-2024-29-im-1/>

ccyyyy: sample code: us2022 means U.S. sample for year 2022

ig10: isogini for first decile (percentile threshold 10)

... same for percentiles 25 (1st quartile), 50 (median), 75 (3rd quartile), and 90 (9th decile) ...

sigma: indicator of imbalance between the rich and the poor (see <https://www.lisdatacenter.org/newsletter/nl-2024-29-im-1/>)

pi: indicator of polarization (see <https://www.lisdatacenter.org/newsletter/nl-2024-29-im-1/>)

gini: Gini index

pora: poverty rate 50% of the median (proportion at risk of poverty=arop)

rira: richness rate 200% of the median (proportion at risk of richness=aror)

sdXX: standard deviation of indicator **XX**

datasets: LIS code of sample (US22 means U.S. sample for year 2022)

cc: two characters lower case country ISO code

year: year