SEMINARIO

"Inequality curve and inequality index based on the ratios between lower and upper arithmetic means"

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Abstract:

In this paper a new inequality curve $I_{(p)}$ based on the ratios between lower and upper arithmetic means is proposed. By averaging $I_{(p)}$ a new index I is obtained. The new index satisfies the usual properties required to an inequality measure. It is shown that between the curve $I_{(p)}$ and the Gini-Bonferroni curve $B_{(p)}$ there is the relation $I_{(p)} \geq B_{(p)}$. Moreover, $I \geq B \geq R$ where B and R are respectively the Bonferroni and the Gini synthetic indexes.
The curve $I_{(p)}$ for the $N = 14026$ personal incomes regarding the 2002 Bank of Italy survey on the household expenditures is reported.