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Kinetic theory and Brazilian income distribution

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Highlights – Review

The main points and original results of this paper can be summarized:

- a) The Brazilian income distribution between 2001 and 2014 can be described by the two-class model from Yakovenko and Rosser (Rev. Mod. Phys., 2009), composed by the 5% richer Power-law distribution and the 95% poorer exponential distribution;
- b) A new parameter, i. e., the crossover income, is proposed in order to separate the two income distribution regimes and contributes to the study of improvement or worsening of the income distribution;
- c) We were able to show through the study of the Gini coefficient and the crossover income that the Brazilian income distribution improved between 2001 and 2014;
- d) The income distribution in Brazil is different for different genders and races: women and black/indigenous/mixed have more distributed income, and their dynamics in the period show that even when the income become distributed in general, inequalities of gender and race persist.

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