## **Accepted Manuscript**

Gini estimation under infinite variance

Andrea Fontanari, Nassim Nicholas Taleb, Pasquale Cirillo

 PII:
 S0378-4371(18)30189-4

 DOI:
 https://doi.org/10.1016/j.physa.2018.02.102

 Reference:
 PHYSA 19222

 To appear in:
 *Physica A*

Received date : 19 July 2017 Revised date : 21 December 2017



Please cite this article as: A. Fontanari, N.N. Taleb, P. Cirillo, Gini estimation under infinite variance, *Physica A* (2018), https://doi.org/10.1016/j.physa.2018.02.102

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## Highlights for review:

- We demonstrate that nonparametric methods are not reliable to estimate the Gini index under fat tails. <u>New Lemma and new proofs for the theorems</u>.
- We show that, under infinite variance, it is preferable to use maximum likelihood based techniques.
- We propose a correction for the nonparametric estimator, when parametric methods cannot be applied.
- The paper contributes, methodologically, to the ongoing discussion on wealth inequality and concentration.
- References have been updated and enriched.

## دريافت فورى 🛶 متن كامل مقاله

- امکان دانلود نسخه تمام متن مقالات انگلیسی
  امکان دانلود نسخه ترجمه شده مقالات
  پذیرش سفارش ترجمه تخصصی
  امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
  امکان دانلود رایگان ۲ صفحه اول هر مقاله
  امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
  دانلود فوری مقاله پس از پرداخت آنلاین
  پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات
- ISIArticles مرجع مقالات تخصصی ایران