Original Articles
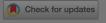
Estimating the Parameters of the Generalized Lambda Distribution: Which Method Performs Best?

Canan G. Corlu & Melike Meterelliyoz ✉

66 Cite this article   ↗ https://doi.org/10.1080/03610918.2014.901355   Check for updates

Full A...

🖶 Reprin...

Abstra...

Gene... resent a wide var... very popular in simula... r estimating the para... rs to be a lack of i... ng the paramet... Our primary ... fitting methods in estimating the parameters of the GLD introduced in Freimer et al. (1988),

---

We Care About Your Privacy

We and our 909 partners store and access personal data, like browsing data or unique identifiers, on your device. Selecting "I Accept" enables tracking technologies to support the purposes shown under "we and our partners process data to provide," whereas selecting "Reject All" or withdrawing your consent will disable them. If trackers are disabled, some content and ads you see may not be as relevant to you. You can resurface this menu to change your choices or withdraw consent at any time by clicking the ["privacy preferences"] link on the bottom of the webpage [or the floating icon on the bottom-left of the webpage, if applicable]. Your choices will have effect within our Website. For more details, refer to our Privacy Policy. Here

We and our partners process data to provide:

✕

I Accept

Reject All

Show Purpose

i.e., Freimer–Mudholkar–Kollia–Lin (FMKL) GLD, and provide guidelines to the simulation practitioner about when to use each method. We further describe the use of the genetic algorithm for the FMKL GLD, and investigate the performances of the suggested methods in modeling the daily exchange rates of eight currencies.

Keywords:

Generalized lambda distribution · Genetic algorithm · Least-squares · Method of matching percentiles · Parameter estimation

Mathematics Subject Classification:

Primary 62 · Secondary 62H10; 62F10; 62P05; 6207

Related research ⓘ

| People also read | Recommended articles | Cited by 11 |