Semiparametric robust mean estimations based on the orderliness of quantile averages

Tuban Lee

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semiparametric | mean-median-mode inequality | asymptotic | unimodal | Hodges–Lehmann estimator

 Γ Proof.

Inequalities related to weighted averages

- 3 So far, it is quite natural to hypothesize that the value of
- 4 ϵ, γ -trimmed mean should be monotonically related to the
- $_{5}$ breakdown point in a semiparametric distribution, since it is
- $_{6}$ a linear combination of quantile averages as shown in Section
- 7 ??
- Data Availability. Data for Figure ?? are given in SI Dataset
- 9 S1. All codes have been deposited in GitHub.
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- 12 and merit of this paper.