Semiparametric robust mean estimations based on the orderliness of quantile averages

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

- Proof. \Box
- Inequalities Between and Among Robust Mean Esti-
- 3 mates
- 4 Analogous to the γ -orderliness, the γ -trimming inequality for
- $_{5}~$ a right-skewed distribution is defined as $\forall 0 \leq \epsilon_{1} \leq \epsilon_{2} \leq$
- 6 $\frac{1}{1+\gamma}$, $TM_{\epsilon_1,\gamma} \ge TM_{\epsilon_2,\gamma}$.
- 7 Data Availability. Data for Figure ?? are given in SI Dataset
- 8 S1. All codes have been deposited in GitHub.
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