

# 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.* □

**Robust mean estimators deduced from the  $\nu$ th  $\gamma$ -orderliness**

**Data Availability.** Data for Figure ?? are given in SI Dataset S1. All codes have been deposited in [GitHub](#).

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DRAFT