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

Inequalities related to weighted averages

So far, it seems plausible that the bias of a reasonable weighted average should be monotonically related to its degree of robustness in a semiparametric distribution, since it is a linear combination of quantile averages.

Data Availability. Data for Figure **??** are given in SI Dataset S1. All codes have been deposited in GitHub.

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