## Near-consistent robust estimations of moments for unimodal distributions

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- Descriptive statistics for parametric models currently heavily rely
- on the accuracy of distributional assumptions. Here, leveraging the
- structures of location-scale distributions and their central moment
- kernel distributions, a series of sophisticated yet efficient estimators,
- robust to both gross errors and departures from parametric assump-
- tions, are proposed for estimating mean and central moments for common unimodal distributions. This article also illuminates the un-
- derstanding of the common nature of probability distributions and
- the measures of them.

orderliness | invariant | unimodal | adaptive estimation | U-statistics

- Theorem .1.
- Proof.
- Data Availability. Data for Table ?? are given in SI Dataset S1.
- All codes have been deposited in GitHub.
- $\begin{tabular}{ll} \bf ACKNOWLEDGMENTS. & I gratefully acknowledge the construction of the construction o$
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