

Near-consistent robust estimations of moments for unimodal distributions

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1 Descriptive statistics for parametric models currently rely heavily
2 on the accuracy of distributional assumptions. Here, leveraging the
3 structures of parametric distributions and their central moment kernel
4 distributions, a series of robust estimators, resilient to both gross
5 errors and departures from parametric assumptions, is proposed
6 for estimating the mean and central moments of common unimodal
7 distributions.

1 Theorem .1.

2 *Proof.*

□

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