

Near-consistent robust estimations of moments for unimodal distributions

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This manuscript was compiled on June 6, 2023

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, invariant moments, robust to both gross errors and
5 departures from parametric assumptions, are proposed for estimating
6 the mean and central moments of common unimodal distributions.

1 Theorem .1.

2 *Proof.*

□

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