

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 class of estimators, consistent simultaneously for
5 both a semiparametric distribution and a distinct parametric distri-
6 bution, is proposed. These estimators have excellent performance
7 for estimating the mean and central moments in common unimodal
8 distributions.

1 Theorem .1.

2 *Proof.*

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