Near-consistent robust estimations of moments for unimodal distributions

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This manuscript was compiled on June 7, 2023

Descriptive statistics for parametric models currently rely heavily on the accuracy of distributional assumptions. Here, leveraging the structures of parametric distributions and their kernel distributions, a class of estimators, consistent simultanously for both a semiparametric distribution and a distinct parametric distribution, is proposed.

Theorem .1.

Proof. □