# Near-consistent robust estimations of moments for unimodal distributions

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**A. Invariant Moments.** All popular robust location estimators, such as the trimmed mean, Winsozied mean, Hodges-Lehmann estimator, Huber $M$-estimator, and median of means, are symmetric, and therefore, asymptotically coincide with the population mean in any symmetric distribution provided that the mean is finite.