Near-consistent robust estimations of moments for unimodal distributions

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orderliness | invariant | unimodal | adaptive estimation | U-statistics

- A. Congruent distribution. In the realm of nonparametric
- 2 statistics, the relative differences, or orders, of robust esti-
- 3 mators are of primary importance. Based on this principle,
- 4 when there is a shift in the parameters of the underlying dis-
- 5 tribution, all nonparametric estimates should asymptotically
- 6 change in the same direction, provided that they are estimating
- the same attribute of the distribution.
- 8 Data Availability. Data for Table ?? are given in SI Dataset S1.
- 9 All codes are attached.
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