



RELATIONSHIPS FOR MOMENTS OF GENERALIZED ORDER STATISTICS FROM SCHABE DISTRIBUTION AND RELATED INFERENCE

Jagdish Saran, Narinder Pushkarna and Kanika Verma^{1*}

Department of Statistics, Faculty of Mathematical Sciences, University of Delhi, Delhi - 110 007, India.

E-mail : kanikaverma29apr@gmail.com

Abstract : In this paper some recurrence relations satisfied by single and product moments of generalized order statistics from Schabe distribution have been obtained. Then, we use these results to compute the first two moments of order statistics for some specific values of the parameters. Further, we use the results on order statistics to obtain BLUEs of location and scale parameters based on type-II right censored samples. In addition, we carry out simulation study through Monte Carlo simulation to show the usefulness of the findings.

Key words : Generalized order statistics, Schabe distribution, Single moments, Product moments, Recurrence relations, Best linear unbiased estimators, Type-II right censored samples.

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