

Estimation of location and scale parameters using k -th record values

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Abstract

We present the minimum variance linear unbiased estimators of the location parameter and scale parameter of Burr and Gumbel distribution using k -th record values. The estimators obtained by the least-squares method contain as particular cases the estimators given by Ahsanullah (1995). Applications of generalized order statistics in this subject is also discussed.

Keywords

Burr distribution, Estimation, k -th record values, Generalized order statistics, Gumbel model.

References:

Ashanullah, M. (1995). *Record Statistics*. Commack: Nova Science.