عنوان مقاله:

Recurrence relations for moments of progressively Type-II censored order statistics from a Pareto distribution with fixed and binomial removals

محل انتشار:

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خلاصه مقاله:

In this paper, some recurrence relations are presented for the single and product moments of progressively Type-II right censored order statistics from a Pareto distribution. These relations are obtained for a progressively censored sample from Pareto distribution with fixed and random removals, where in the random case, the number of units removed at each failure time follows a binomial distribution. In addition,Thomas-Wilson's Mixture Formula for Moments are obtained with with fixed and random removals. Finally, a numerical study is carried out to compare real .and simulation results based on biases and MSEs of the expected termination time

کلمات کلیدی:

Binomial removal, Monte Carlo simulation, Product moments, Progressive Type-II right-censored order statistics, Recurrence relations, Single moments