Abstract

In this paper, new recurrence relations satisfied by the single and product moments using moment generating function of dual generalized order statistics from inverse exponential-type distribution are established. Recurrence relations for single and product moments of reversed order statistics and lower record value are obtained as special cases. Further, using a recurrence relation for single moments we obtain characterization of inverse exponential-type distribution.

References


**Index Terms**

Computer Science  
Applied Mathematics

**Keywords**

Dual generalized order statistics  
moment generating function  
recurrence relations  
single moments

product moments

inverse exponential form and characterization.