

**EXPLICIT EXPRESSIONS FOR MOMENTS OF LOWER  
GENERALIZED ORDER STATISTICS FROM  
EXPONENTIATED KUMARASWAMY DISTRIBUTION AND  
ITS CHARACTERIZATION**

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SUMMARY

In this paper, we have derived some explicit expression and recurrence relations for single and product moments of lower generalized order statistics from exponentiated Kumaraswamy distribution. The relations for order statistics and lower record values are deduced from the relations derived. Further, the distribution has been characterized using a recurrence relation for single moments.

*Keywords and phrases:* Lower generalized order statistics, order statistics, lower record values, exponentiated Kumaraswamy distribution, single and product moments and characterization.

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