Abstract Details

Title: A New Four Parameter Kumaraswamy Distribution

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Abstract: This study considered a new addition to the Kumaraswamy generated family of distributions. The new distribution is referred to as the Kumaraswamy Mukherjee-Islam distribution. Some theoretical properties of the new distribution were derived under certain conditions. The new distribution is therefore expected to offer more flexibility than the baseline Mukherjee-Islam distribution.

Keywords: Kumaraswamy Mukherjee-Islam distribution, Mukherjee-Islam distribution, Generalized distributions, Statistics, Applied mathematics, Exponentiation, Moments.