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Executive Editor
REVSTAT

Your letter of	Date
pedro.rafael.marinho@gmail.com	December 18, 2020

A new family of distributions: properties and applications

Dear **REVSTAT** Executive Editor,

we would like to present the paper entitled **A new family of distributions: properties and applications** to the REVSTAT. This article introduces a new family by combining the Marshall and Olkin-G and Gamma-G classes. The family has only two extra shape parameters and can be a better model than other existing classes of distributions. Simulations are performed to verify the consistency of the estimators. Its flexibility is shown using two real data sets.

This article submitted to this journal is co-authored by researchers Gauss M. Cordeiro (PhD in Statistics from Imperial College, 1982) of the Statistics Department of Federal University of Pernambuco and Dra. Maria do Carmo S. Lima Federal of the Statistics Department of Federal University of Pernambuco.

This material has not been submitted to any other Journal.

Kind regards,

Prof. Dr. Pedro Rafael D. Marinho
(DSc in Statistics from Federal University of Pernambuco)