New Advances in Distribution Theory and Its Applications

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Message from the Guest Editors

In recent years, the field of research relating to distribution theory has weakened due to the countless proposals for "new" distributions, which, in many cases, are now built with standardized techniques, paying particular attention to elegance and mathematical rigor at the cost of greater complexity, which reduces the interpretability, for example, of parameters, without guaranteeing great flexibility with respect to the distributions already present in the literature. The purpose of this Special Issue is to stimulate researchers to propose high-quality original articles that provide significant contributions to statistical distribution theory and its applications. In this context, papers suggesting models whose genesis is attributable to specific mechanisms or characteristics related to the context of analysis, general frameworks of families of distribution functions, motivated reparameterizations that increase the interpretability of models, regressive models on characteristics and/or indicators of specific interest, and original applications on real data are welcome.

Special Issue

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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