



Symmetrical and Asymmetrical Distributions in Statistics and Data Science

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Message from the Guest Editors

Dear Colleagues,

Probability distributions are a fundamental topic of Statistics and Data Science that is highly relevant in both theory and practical applications. There are numerous probability distributions that come in many shapes and with different properties. In order to identify an appropriate distribution for modeling the statistical properties of a population of interest, one should consider the shape of the distribution as the crucial factor. In particular, the symmetry or asymmetry of the distribution plays a decisive role.

We welcome submissions related to the latest developments in the area of symmetrical and asymmetrical distributions in Statistics and Data Science. This includes articles that directly or indirectly deal with probability distributions and their symmetry properties. The Special Issue aims to highlight the importance of symmetrical and asymmetrical distributions in its thematic breadth.





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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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