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Symmetric and Asymmetric Bimodal Distributions with Applications

Guest Editor:

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Deadline for manuscript submissions:
closed (31 August 2023)

Message from the Guest Editor

Dear colleagues,

The finite mixture of distributions is considered to be an standard methodology for data with two or more modes. This approach has some restrictions due of the possible identifiability problem.

This Special Issue is devoted to both original research articles and review articles, both theoretical and applied, related to bimodal or multimodal models, in symmetric and asymmetric distributions, applied to any areas of the knowledge.

Manuscripts on bimodal distributions generated with a basis on symmetrical or asymmetrical ones, which can compete with distribution mixtures, will be well received. Researchers are also invited to submit theoretical manuscripts showing bimodal distributions with their main properties, where parameter estimation will be performed based on a classical or Bayesian framework, with robust simulation studies on applied methodologies, such as regression models, time series, and survival analysis, among others.

Prof. Adelchi Azzalini
Prof. Héctor W. Gómez
Guest Editors

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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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