

Special Issue

Multivariate Statistical Inference and Applications

Message from the Guest Editor

This Special Issue entitled “Multivariate Statistical Inference and Applications” encompasses the theoretical development and practical implementation of statistical methods for analyzing data involving multiple variables simultaneously. These data can either be Euclidean or manifold valued data, e.g., compositional and directional data and shape analysis. The goal of this Special Issue is to publish theoretical and applied papers with applications in econometrics, bioinformatics, psychology, finance, environmental science, and engineering, where understanding complex multivariate structures is crucial. For instance, explainable machine learning algorithms with a comparison of statistical algorithms are strongly encouraged and algorithms oriented towards computational efficiency and the analysis of spatial and temporal data via multivariate techniques are desirable.

Guest Editor

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About the Journal

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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