

Special Issue

Emerging Trends in Computational Statistics and Data Analysis: Methods and Applications

Message from the Guest Editors

With the growing volume and complexity of data sets and computing power, computational statistics and data analysis have become essential tools in many fields, including ecological and environmental studies, healthcare, finance, biology, engineering, and social sciences. This Special Issue will feature new theoretical developments and innovative methods that address the challenges of computational statistics and data analysis and showcase their practical applications. The papers included in this Special Issue will cover a wide range of topics, including computational statistics, statistical regression modeling, functional data analysis, machine learning, multilevel modeling, Bayesian inference, high-dimensional data analysis, and data visualization. This issue aims to provide a platform for researchers to share their latest research findings and to stimulate discussion on the latest trends in the field. The Special Issue will be of interest to statisticians, mathematicians, and other researchers in related fields who are interested in the latest developments in computational statistics and data analysis.

Guest Editors

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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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