Recent Advances in Computational Statistics

Guest Editors:

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Deadline for manuscript submissions:
closed (30 November 2023)

Message from the Guest Editors

Nowadays, with a rapid development of the computing facilities, computational statistics has been widely used for data analysis in a broad range of fields, such as actuarial science, biometrics, biomedical engineering, econometrics, environmental science, finance markets. This Special Issue will emphasize the contribution and influence of computing on statistics and will present a collection of the latest developments in Computational Statistics, with a focus on statistical computing, algorithm, data analysis, machine learning, parallel computing, and simulation. Topics include new developments in, but are not limited to, the following:

- Advanced statistical analysis with data applications.
- Bayesian computing algorithms.
- Computational and statistical models.
- Computational methods of modeling and simulating real-world problems (e.g., the COVID-19 epidemic).
- Data mining and pattern recognition methods.
- Parametric and nonparametric machine learning algorithms.
- Statistical software development.

I look forward to receiving your submissions.

Special Issue

Editor-in-Chief

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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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