

Special Issue

Methodology and Application in Computational Statistics and Data Science

Message from the Guest Editors

Due to recent advancements in the fields of artificial intelligence and machine learning, massive amounts of data have been collected via various channels under different formats. While the growing availability of information would generally lead to significant scientific progression, it also presents great challenges in adequately analyzing such massive datasets. To this end, the scientific literature over various topics of computational statistics and data science have significantly grown in recent years. The following topics have gained increasing attentions: dimension reduction, feature screening, variable selection, optimal sampling, multitask learning, transfer learning, and distributed learning, among others. In this Special Issue, entitled “Methodology and Application in Computational Statistics and Data Science”, we invite papers to address both the methodological and computational aspects of dealing with challenges in the analysis of large datasets and new data types, including functional data, big data, network data, biostatistics, genetics, spatial statistics and others.

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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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