

Special Issue

Advances in High-Dimensional Data Analysis

Message from the Guest Editors

High-dimensional data analysis has been an important focus within theoretical and applied statistics research for more than three decades, with applications areas including biostatistics, bioinformatics, chemistry, ecology, economy, and social sciences. The aim of this Special Issue is to collect research papers that use statistical (methodological, theoretical, or computational) principles for high-dimensional data analysis, as well as scalable optimization methods and applications in important real-world fields. In this Special Issue, we encourage original research submissions that provide new results in the setting of high-dimensional statistical inference and their applications. Review papers within all aspects of high-dimensional data analysis are also welcome.

Guest Editors

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Dr. Xuewei Cheng

Deadline for manuscript submissions

closed (31 December 2024)



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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.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).