Special Issue

Statistical Methods in Data Science and Applications

Message from the Guest Editors

With the development of big data, the importance of data science is growing rapidly, leading to a large number of studies in various disciplines. such as mathematics, statistics, computer science, and artificial intelligence. Data science requires modeling, computation, and learning to realize conversion from data to information, from information to knowledge, and from knowledge to decision making. Due to the complexity of big data, such as missing, high- and ultrahigh-dimensional, response-dependent, time series, distributed storage, etc., the existing big data analysis theories, methods, and algorithms are facing huge challenges, particularly in terms of basic statistical theories, methods, and algorithms around estimation, hypothesis testing, confidence interval, and variable selection, including frequentist and Bayesian big data.

Guest Editors

Prof. Dr. Niansheng Tang
School of Mathematics and Statistics, Yunnan University, Kunming 650091, China

Prof. Dr. Shen-Ming Lee
Department of Statistics, Feng Chia University, NO.100, Wenhwa Road, Seatwen, Taichung 40724, Taiwan

Deadline for manuscript submissions

closed (30 November 2023)

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

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

Author Benefits

High Visibility:
indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

Journal Rank:
JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Rapid Publication:
manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).