Special Issue

Statistics for High-Dimensional Data

Message from the Guest Editor

We live in an era where we have the tools, the computing power, and therefore the ability to collect data that are both massive and high-dimensional. In addition, classic statistical methodology has been developed for small datasets where sample size n is much larger than dimension p and therefore many times they are not suitable to address high-dimensional cases where n is approximately equal to p or in cases where n is less than p. In recent years, there has been an explosion of research papers that have tried to address the methodology gap and develop suitable algorithms that address the issue of a low-sample high-dimensional setting. In this Special Issue, we invite specialists in the area of statistics for high-dimensional data. Their research could be on estimation, hypothesis testing, regression, variable selection, dimension reduction, clustering, classification, or any other topic of modern multivariate statistics that is developed in order to address issues that arise when the data are high-dimensional. Additionally, we are looking for methodological papers, whether they have computational flavor or provide a theoretical discussion of the methodology.

Guest Editor

Prof. Dr. Andreas Artemiou
Department of Information Technologies, University of Limassol, Nicosia, Cyprus

Deadline for manuscript submissions

30 April 2026

Mathematics

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.6

mdpi.com/si/200005

Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

mdpi.com/journal/mathematics

Σ

Mathematics

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.6

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 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).

mdpi.com/journal/mathematics

MDPI