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Stats



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Message from the Editor-in-Chief

This is an era of rapid development of statistical science in the direction of statistical/machine learning and big data analysis. On one hand, we face some of the biggest uncertainties and challenges in human history, including climate change and pandemics. On the other, we are developing the powerful tools of machine learning and artificial intelligence, super computers and cloud computing. Our application areas have also gone beyond the usual realm, as social network analysis, omics studies, imaging studies, multi-disciplinary research and globalized commerce become increasingly mainstream, generating new data and analysis demands. The statistics community has risen to the challenge by morphing into a new data science discipline, which is in essence a fusion of statistical science and computer science. Our students are also encouraged to learn from other disciplines, both natural and human-centered sciences, to become the new generation of data scientists. In keeping up with time and tradition, our journal is emphasizing both classical statistics and modern data science, plus all application areas central to humanity, society and science.

Editor-in-Chief

Prof. Dr. Wei Zhu

Aims

Stats (ISSN 2571-905X) is an international, open access journal on statistical science. Our aim is to encourage scientists to publish interesting and novel contributions on the development of new methodologies and theoretical results in statistics and statistical learning, as well as related innovative applications in all scientific disciplines.

Scope

Statistical methodology and theoretical results are applied to all areas of science, including biology, sociology, geography, physics and astronomy, economics and finance, education and engineering. Moreover, emerging fields use statistics to assist in decision making, such as machine learning, medicine and law.

Some examples of methods and analysis include:

- Multivariate analysis;
- Linear and non-linear models;
- Sampling theory;
- Regression analysis;
- Statistical inference;
- Time series analysis;
- Survival analysis;
- Non-parametric and semi-parametric statistics;
- Spatial analysis;
- Cluster analysis;
- Probability;
- Data science and machine learning.

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Rapid Publication

A first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025)

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