

Special Issue

Sequential Sampling Methods for Statistical Inference

Message from the Guest Editors

Sequential sampling addresses challenges in achieving predetermined accuracy in statistical inference when fixed-sample-size procedures are impractical due to unknown nuisance parameters. This method determines the number of observations as the experiment progresses, allowing for earlier conclusions and increased efficiency. Sequential sampling is widely used in fields like machine learning, data mining, environmental monitoring, quality control, clinical trials, and finance. This Special Issue highlights recent advances in sequential sampling methods for statistical inference. Topics of interest include sequential point and interval estimation, sequential hypothesis testing, change-point detection, and multi-armed bandits. We invite researchers to submit original articles on the significance of sequential sampling methods in statistical inference.

Guest Editors

Dr. Jun Hu

Department of Mathematics and Statistics, Oakland University,
Rochester, MI 48309, USA

Prof. Dr. Takeshi Emura

School of Informatics and Data Science, Hiroshima University,
Hiroshima, Japan

Deadline for manuscript submissions

31 July 2025



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/210228

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

[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)





Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)



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).