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.

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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.

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