Special Issue

Bayesian Inference, Prediction and Model Selection

Message from the Guest Editor

The applicability of Bayesian methods in statistics and other sciences has eminently increased over the past few decades, owing to the use of large datasets and complexities involved. In many respects, Bayesian methods are found to be superior to classical statistical methods, especially when dealing with uncertainty or where future observations are not available. In such scenarios, predictive performance can be estimated using an assumed model for future observations. Furthermore, a set of models can be compared against each other according to their expected predictive performance. However, model selection can also be significant in tackling practical modeling problems. Nevertheless, selecting a more restricted model often results in ignoring uncertainties inherent in the initial model specification. We invite our colleagues to submit their papers to areas related to the following keywords and also in any closed field of study not mentioned specifically here.

Guest Editor

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Deadline for manuscript submissions

closed (29 February 2024)

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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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