Special Issue

Bayesian Predictive Inference and Related Asymptotics—Festschrift for Eugenio Regazzini's 75th Birthday

Message from the Guest Editors

To make reliable predictions, based on observed data, is one of the major tasks in probability and statistics. To this end, the Bayesian approach is possibly the natural one. However, there are still various issues which need further investigation. Just to mention a few: (i) In addition to exchangeability, what dependence structures are suitable for prediction ? (ii) Is it possible to make Bayesian predictions without involving the usual prior/posterior scheme ? (iii) What about the asymptotic behavior of predictive distributions ? (iv) In particular, what is the convergence rate of the distance between empirical and predictive measures ? This special issue aims to collect some recent papers on (i)-(iv) and related topics, paying special attention to the asymptotic problems.

- bayesian nonparametrics
- conditional identity in distribution
- empirical bayes methods
- empirical measure
- exchangeability
- gibbs measures
- polya-urn sequence
- predictive measure
- species sampling models
- stable convergence
- total variation distance

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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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