Probability, Stochastic Processes and Machine Learning

Guest Editors:

Dr. Qidi Peng

Prof. Dr. Sunil Kumar

Dr. Yu Bai

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Message from the Guest Editors

Dear Colleagues,

This Special Issue on "Probability, Stochastic Processes and Machine Learning" aims to discuss the advances at the intersection of probability theory, stochastic processes, machine learning, and their real-world applications. As machine learning has been successfully applied to an increasing number of fields, new challenges arise from applying traditional machine learning approaches to new data structures, such as images, stochastic processes, and high-dimensional signals. This issue aims to collect high-quality research works on the discussion of machine learning on high-dimensional datasets, or datasets which are indexed by time. Both methodologies and successful real-world applications will be appreciated.

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Special Issue

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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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