Special Issue

Statistical Machine Learning with Applications

Message from the Guest Editors

Dear colleagues, Recent decades have witnessed the explosive growth of machine learning methodologies powered by continuous advancements in fundamental statistical theories and frontier data science, including big data, cloud computing, and the Internet of Things. Statistical machine learning, as a typical data-driven multidisciplinary technology, focuses mainly on the processing, analysis, and prediction of multi-source data through the formulation and optimization of probabilistic statistical models. To date, such technology has been extensively applied to diverse critical science domains, such as data mining, signal processing, pattern recognition, computer vision, natural language processing, biometrics, quality process control, risk analysis, lifetime diagnosis and prognosis, DNA sequencing, speech/handwriting recognition, and robotics, with tremendous, well-justified achievements.

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Deadline for manuscript submissions

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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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