



## Advancements in Machine Learning and Statistical Modeling, and Real-World Applications

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### Message from the Guest Editors

Statistical analysis and machine learning models are efficient in dealing with complex prediction models due to their outstanding performance in handling large-scale data sets with uniform characteristics and noisy data. Machine learning statistical models are embedded in various technologies: edge, cloud, IoT, and block-chain. The invention of new machine algorithms and statistical models significantly contributes to the development of various real-time applications. This special section provides an excellent international forum for sharing knowledge and results regarding statistical theory and models; machine learning algorithm application; and other mathematics models for several sectors, such as health, education, transportation, and agriculture. This Special Issue also covers novel and scientific aspects for future real-time application development and emerging technologies with various mathematics-based AI approaches, and seeks original and unpublished research articles, including theoretical studies, practical applications, and predictive models, to contribute novel findings to the research community.





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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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