Special Issue

Looking at the New Era Challenges in Finance: Forecasting Modeling by Using Artificial Intelligence

Message from the Guest Editors

The rapid development of machine learning, deep learning, and data science techniques opens new opportunities as well as challenges for financial studies. Automatic trading, fraud detection, portfolio management, risk management, the financial implications of climate change, and the role of big data in financial decisions are just some examples of the most recent open fields of research in which these techniques could improve knowledge. We encourage papers proposing financial theoretical and empirical advances in topics such as (but not limited to) the following: machine learning, deep learning, artificial intelligence for big data, time series forecasting, classification models, portfolio management, risk management, digital finance, climate change modeling and forecasting, stochastic optimization and prediction, automatic trading, and fraud detection. This Special Issue will bring together contributions from researchers in mathematics, statistics and econometrics, finance, and other affine scientific fields. Papers describing theoretical models as well as experimental advances are expected.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2024)

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Mathematics

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About the Journal

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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