

Special Issue

Artificial Intelligence and Machine Learning Applications in Cryptocurrency Markets

Message from the Guest Editors

Developing a better understanding the cryptocurrency markets and performing successful cryptocurrency investments takes a considerable amount of time and skill. With the recent emergence of more artificial intelligence (AI) and machine learning (ML) tools, investors and traders are increasingly looking to develop more efficient investing mechanisms. Both AI and ML are proving to be efficient in crypto markets as crypto investing is adopted by more institutional and individual investors. Since cryptocurrencies are based on blockchain technology, AI and ML can work alongside the blockchain to tackle many challenges in digital markets. One way in which AI and ML can be used for cryptocurrency investing by institutional and individual investors includes more accurate trading forecasts. Both AI and ML can help overcome the uncertainty of cryptocurrency investing. Given the recent technological developments, investors can predict significant events in the cryptocurrency markets and make better-informed investment decisions. Researchers now collect large datasets, providing valuable insights into many digital assets.

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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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