

Special Issue

Advances in Data-Driven Decision-Making and Optimization

Message from the Guest Editor

Recently, data-driven decision-making methods and their corresponding optimization approaches have been a hot research field, that has received much attention from globe researchers and practitioners. The key to data-driven decision-making lies in sorting out the currently available data, clarifying the relationships between data, constructing a mathematical model that matches the problem, and solving the model through optimization methods to determine the best decision-making solutions or alternatives. At present, data-driven decision-making and optimization methods are widely used in fields such as supply chain management, medical management decision-making, financial risk analysis, and enterprise operation management analysis. Therefore, it is crucial to discuss the recent achievements in this field and their practical applications. The purpose of this Special Issue is to provide an academic platform for scholars, experts, and industry professionals in this field to exchange ideas and recent advances on data-driven decision-making and optimization methods.

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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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