Special Issue

Computational Methods for Data Mining and Information Systems

Message from the Guest Editor

Computational methods for data mining and information systems focus on the development and application of sophisticated algorithms designed to extract meaningful patterns, trends, and knowledge from vast, complex datasets. Unlike traditional statistics, computational methods emphasize scalability and automation, utilizing techniques like machine learning, neural networks, heuristics, fuzzy logic, expert systems and evolutionary computing to process unstructured information.

In the context of information systems, these methods are crucial for transforming raw data into actionable insights. By integrating high-performance computing with statistical rigor, computational methods enable organizations to navigate and capture big data, improving decision-making processes and optimizing system performance. As datasets grow in variety and velocity, computational methods continue to evolve toward more efficient real-time processing, ensuring that information systems remain robust, secure, and intelligent.

We look forward to receiving your contributions.

Guest Editor

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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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