Special Issue

Data Mining, Machine Learning and Network Analysis in Biomedical Informatics

Message from the Guest Editors

Exploiting data assets with advanced techniques, especially artificial intelligence, is expected to dominate all disciplines, including biomedicine. In addition to their potential to be further developed with appropriate theoretical tools, machine learning-based models can also improve the accuracy of theoretical models by further adopting observed data.

This Special Issue aims to present new advances in biomedical informatics, particularly for the better exploitation of biological and clinical data resources for the more efficient operation and development of biomedical informatics systems to improve healthcare solutions.

This Special Issue focuses on, but is not limited to, optimizing or replacing theoretical models with machine learning ones regarding any component of a biomedical information system. In addition to deeper theoretical approaches, we intend to publish contributions that achieve new results with state-of-the-art artificial intelligence-based methods or more traditional data mining or machine learning ones. Within the biomedical field the scope is not limited.

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Deadline for manuscript submissions

closed (31 December 2024)

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Mathematics

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.6

MDPI

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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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