Signal Processing and Machine Learning in Data Science

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Message from the Guest Editors

Data science is a field of study that focuses on the extraction of valuable information from noisy data, and incorporates various disciplines, such as data engineering, data preprocessing, visualization, predictive analytics, data mining, machine learning and statistics. In recent years, there has been rapidly growing interest in the mathematical and theoretical aspects of data science. This manifests in deterministic and non-deterministic models (i.e., probabilistic and a family of probabilistic known as statistical) in order to provide performance guarantee, robustness, reusable and interpretable results.

The digital transformation of information systems has made feasible the effective use of data science techniques such as artificial intelligence (AI) and machine learning (ML) for various applications.

The aim of this Special Issue is to provide original high-quality innovative ideas and research solutions (for both theoretical and practical challenges) for data analysis and modelling with the aid of artificial intelligence and machine learning in various domains and applications.

Special Issue

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