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Data Science Methods in Big Data Era

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Deadline for manuscript submissions:
closed (20 June 2024)

Message from the Guest Editors

Today, the amount of data generated every day on the Internet, in social media channels or in economic transactions exceeds the usual limits for its analysis using conventional data mining and machine learning techniques. Therefore, it is necessary to continue investigating new methodologies and approaches following the big data paradigm in order to improve the analysis and obtain valuable information from massive datasets.

This Special Issue aims to discuss critical issues and challenges that the development of analysis and learning methods may face when dealing with massive amounts of data.

Topics include but are not limited to:

- Theoretical and/or technical application of data or text mining methods in big data;
- Theoretical and/or technical application of machine learning methods in big data;
- Cloud computing in big data analysis;
- Semantic models and knowledge representation for big data mining;
- Parallel and distributed algorithms for big data mining or machine learning;
- Social media analysis or web mining;
- Stream mining and time series analysis;

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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