Special Issue

Advanced Data Mining Techniques for IoT and Big Data

Message from the Guest Editors

In the big data era, effective cloud systems, web services, and data centers must be designed to discover, store, and process a massive amount of data. Once data have been collected, advanced learning techniques must be applied to learn, analyze, and predict implicit knowledge from previously stored data. Data mining algorithms, and more in general machine learning methods, can be applied to retrieve hidden, valid, and potentially useful patterns in huge data sets and to discover unknown relationships amongst the data coming from IoT devices or from the Web. This Special Issue focuses on the design, implementation, and validation of advanced machine learning methods for big datasets or the IoT scenario. The topics of interest include but are not limited to:

- Big data, clouds, and Internet of Things (IoT);
- Cloud services and applications;
- Data mining for IoT;
- Pattern mining;
- Service discovery process;
- Web service recommendations;
- Web mining;
- Predictive analysis;
- Data analytics;
- Machine learning.

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About the Journal

Message from the Editor-in-Chief

Big Data and Cognitive Computing (BDCC) is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

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