Special Issue

Machine Learning in Big Data Modeling

Message from the Guest Editor

The concept of big data refers to structured, semi-structured, and unstructured data that come with greater variety, increasing volumes, and more velocity. With the exponential growth in data storage and computing power, it is now possible to process quantitative and textual data from various sources, such as mobile devices, social media, and the Internet of Things. Although, big data analytics offers great potential for leveraging big data in knowledge discovery and automation. However, traditional tools for managing and using smaller volumes of data may not be suitable for big data. The focus of this Special Issue is big data analytics, including—but not limited to—data capture and storage, big data technologies, data visualization techniques for big data, architectures for parallel processing of big data, data mining tools and techniques, machine-learning algorithms for big data, and cloud computing platforms designed for processing big data. We encourage submissions that present findings of empirical research, systematic reviews, or theoretical work utilizing big data in social and natural sciences.

Guest Editor

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Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

Editor-in-Chief

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