

Special Issue

Advanced Machine Learning and Data Mining: A New Frontier in Artificial Intelligence Research

Message from the Guest Editors

Without data, there is no machine learning (ML), so there is no doubt that big data and ML are inextricably linked. However, much research to date has tended to treat them as separate areas of development. As we are confronted with today's difficult problems and the wealth of held data continues to grow, it is vital that new, innovative ways of examining, testing, and using big data to produce useful information are both researched/developed and integrated. For this Special Issue, as the individual fields of advanced machine learning and advanced data mining are well established, the focus will be specifically on their intersection: the point—or points—at which one aids, needs, or enhances the other. In addition, of course, this new frontier in artificial intelligence research offers as many ethical questions as it does possibilities: could we, should we, and (how) will we? This Special Issue solicits empirical, experimental, methodological, and theoretical research reporting original and unpublished results on big data and machine learning analysis and mining on topics in all realms of research along with applications to real life situations.

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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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