



Special Issue on Advances in Data Mining and Machine Learning

Call for Papers

This Special Issue is aimed at providing recent advances in the development and application of methods, strategies and frameworks in both Data Mining and Machine Learning. The application of these techniques to the fields of engineering, health and in general, solving real life problems is also vitally important.

Data Mining can be understood as the process of discovering non-trivial patterns in the data, so that the disclosed information can be used to make valid predictions in decision making. Data mining offers great promise in helping organizations to find out patterns hidden in their data that can be used to predict the behavior of customers, products, and processes.

According to some authors, Machine Learning can be approached as the systematic study of algorithms and systems, which improve their knowledge or performance based on experience. The building of machines able to learn from experience has proven to have a meaningful level of learning ability. Thus, the introduction of machine learning techniques in computer science troubleshooting is of vital importance since there exist problems that cannot be solved through common techniques.

This way, Data Mining and Machine Learning take advantage of advances in the fields of artificial intelligence and statistics. Both disciplines have been working on problems of pattern recognition, discovery, and classification.

In this special issue, potential topics include, but are not limited to:

- Data mining
- Machine learning
- Case-based reasoning
- Genetic algorithms
- Genetic Programming
- Data clustering
- Combinatorial optimization
- Data analysis

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).



Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue – *Advances in Data Mining and Machine Learning***” should be selected during your submission.

Special Issue timetable:

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