New Algorithms for Visual Data Mining

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2021)

Message from the Guest Editor

Dear Colleagues,

In current times, scientific, industrial and societal developments rely heavily on data collection and understanding. Computational approaches are paramount to support such activities and the expectation is that the demand for reliable approaches to working with complex data will continue to increase.

Challenges in Data Science and Analytics have highlighted many circumstances where Data Mining, Machine Learning and Statistics methods need to be paired with strong user engagement to support exploratory data analysis as well as illustrative, demonstrative and data story telling tasks. The fields of Data Visualization and Visual Analytics have thrived in this scenario, in the effort to provide support for understanding and explaining data and to support building and applying data models in a very extensive variety of applications.

This Special Issue calls for novel contributions in the development of algorithms and techniques that combine Data Mining (DM) and Machine Learning (ML) algorithms and strategies with Visual Layouts and interaction to support user engagement in any part of the processes of Data Science.

Special Issue

Editor-in-Chief

Prof. Dr. Frank Werner
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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.

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