

Special Issue

New Algorithms for Visual Data Mining

Message from the Guest Editor

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.

Guest Editor

Dr. Rosane Minghim

School of Computer Science and Information Technology, University College Cork, Western Road, T12 CY82 Cork, Ireland

Deadline for manuscript submissions

closed (31 October 2021)



Algorithms

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.5



mdpi.com/si/75390

Algorithms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
algorithms@mdpi.com

[mdpi.com/journal/
algorithms](https://mdpi.com/journal/algorithms)





Algorithms

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.5



[mdpi.com/journal/
algorithms](https://mdpi.com/journal/algorithms)



About the Journal

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

Prof. Dr. Frank Werner

Faculty of Mathematics, Otto-von-Guericke-University, P.O. Box 4120,
D-39016 Magdeburg, Germany

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, ESCI (Web of Science), Ei Compendex, and other databases.

Journal Rank:

JCR - Q2 (Computer Science, Theory and Methods) /
CiteScore - Q1 (Numerical Analysis)