Special Issue

Data Analysis and Mining: New Techniques and Applications

Message from the Guest Editor

Learning hierarchical representation and finding useful patterns from data by differentiable models in an end-to-end fashion has been amongst of the greatest developments in data mining so far. Despite its application in traditional research fields like computer vision, natural language processing, and recommendation systems, such a data-driven approach shows great potential when it comes to the intersection of AI and science. From protein structure prediction to quantum artificial intelligence, data mining techniques are providing amazing insight into fitting data and have assisted in the discovery of scientific laws in various domains, as well as contributing to a new research paradigm called AI for science. Even though artificial general intelligence (AGI) is far from reach, mining scientific data still find many intriguing applications. This Special Issue invites the papers with innovative ideas either in data mining algorithms or in applications of a specific research field. To facilitate the application of data mining technology and accelerate the process of its industrial application, papers that present data mining tools in a specific domain are also welcomed.

Guest Editor

Dr. Donghai Guan

College of Computer Science & Technology, Nanjing University of Aeronautics and Astronautics, Nanjing 211106, China

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

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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