Special Issue

Information-Theoretic Data Mining

Message from the Guest Editor

Predictions are difficult, especially those about the future. Data mining is the process of converting data to knowledge using methods at the crossroads of machine learning, artificial intelligence, statistics, and database systems. Data science and data engineering help create knowledge in various forms of models, which in turn are used to finding anomalies, patterns, and correlations within large amounts of data to help predict the future or explain the present. Currently, data mining is implemented on large scales to help solve business and societal problems. Information-theoretic data mining plays a special role due to its solid foundations in information theory. The field is slowly maturing with contributions from many fields of information and computer science and related sciences. This interdisciplinary characteristic leads to different viewpoints, different implementations, and different approaches. Therefore, contributions are being solicited to this Special Issue on the many faces of information theory in data mining, presenting both theoretical and practical aspects of developing and using data mining approaches.

Guest Editor

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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

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