Special Issue

Information Theory for Data Science

Message from the Guest Editors

Data science is a field of study that focuses on the extraction of valuable information from noisy data, and incorporates various disciplines, such as data engineering, data visualization, predictive analytics, data mining, machine learning and statistics. In recent years, there has been a rapidly growing interest in the mathematical and theoretical aspects of data science. This manifests in probabilistic and statistical models striving to provide performance guarantee, robustness, fairness, explainability and to generate reusable and interpretable results. For this Special Issue, we invite contributions that focus on information theoretic methods for data science domains. We welcome unpublished original work on both the theory and the practice of the abovementioned areas.

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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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