Special Issue

Entropy Measures to Assess Irregularity and Complexity of Time Series and Multidimensional Data

Message from the Guest Editors

Entropy-based metrics issued from information theory have found an increasing interest in the dynamical analysis of different kinds of systems. Extensions of these nonlinear measures to multidimensional and/or multivariate data have also led to the publication of many papers from several areas. Moreover, analyses of entropy measures over several temporal or spatial scales are now commonly used to quantify the complexity of systems. In this Special Issue, we would like to collect papers focusing on the recent advances and challenges of entropy measures (including applications to graphs and multidimensional entropy measures). Papers presenting theoretical backgrounds of entropy measures are also welcome, together with applications of the most recent algorithms to quantify the irregularity and complexity of time series, images and other forms of recordings. Papers presenting theoretical aspects or applications on multivariate data are also in the scope of this Special Issue.

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About the Journal

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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