



entropy



an Open Access Journal by MDPI

Statistical Methods for Complex Systems

Guest Editors:

Prof. Dr. Irad E. Ben-Gal

1. Department of Industrial Engineering, The Iby and Aladar Fleischman Faculty of Engineering, Tel Aviv University, Ramat-Aviv 69978, Israel
2. Laboratory of AI Business and Data Analytics (LAMBDA), Tel Aviv University, Ramat-Aviv 69978, Israel

Dr. Amichai Painsky

Department of Industrial Engineering, The Iby and Aladar Fleischman Faculty of Engineering, Tel Aviv University, Tel Aviv-Yafo 69978, Israel

Message from the Guest Editors

A complex system is a large scale framework which consists of many interacting components. Complex systems are intrinsically difficult to analyze and model, due to the involved nature of interactions among their parts. The use of statistical methods to study the behavior of such systems, and to explain their dynamics, has gained a significant amount of attention, both from a theoretical and an empirical viewpoint. In addition, there have been many advances in applying Shannon theory to complex systems, including correlation analysis for spatial and temporal data, the study of entropy and its derivatives, and clustering techniques for complex networks. In this Special Issue we invite contributions that focus on statistical methods for complex systems, with an emphasis on information-theoretic principles.

Deadline for manuscript submissions:

closed (15 August 2022)



mdpi.com/si/41144

Special Issue



entropy



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University
at Albany, 1400 Washington
Avenue, Albany, NY 12222, USA

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [Inspec](#), [PubMed](#), [PMC](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Physics, Multidisciplinary*) / CiteScore - Q1 (Mathematical Physics)

Contact Us

Entropy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/entropy
entropy@mdpi.com
[X@Entropy_MDPI](https://twitter.com/Entropy_MDPI)