Special Issue

Entropy Based Machine Learning Models

Message from the Guest Editors

The submissions to this Special Issue are expected to contribute to the approaches of machine learning from the viewpoint of information theory. It aims to be a place where researchers share their work on entropy concepts to solve problems in supervised or clustering learning, and investigators on machine learning use information theory to evaluate the accuracy or to develop a dynamical acceleration of the process. We seek submissions on the interplay between entropy and ML and include the following topics:

- Mutual information measures for machine learning modeling and prediction.
- Entropy-based methods for preprocessing highly structured data.
- Entropy-based ML for predicting data from engineering, medicine, socio-economy, etc.
- Complexity information of hybrid neural network architectures.

Guest Editors

Prof. Dr. David Dominguez

Higher Polytechnic School, University Autonoma of Madrid, 28049 Madrid, Spain

Dr. Mario González-Rodríguez

1. Facultad de Ingeniería y Ciencias Aplicadas, Universidad de las Américas, Quito 170122, Ecuador
2. V-Kallpa, 31000 Toulouse, France

Deadline for manuscript submissions

30 September 2025

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/213515

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

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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.

Editor-in-Chief

Prof. Dr. Kevin H. Knuth
Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

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