Special Issue

Statistical Learning in Computational Neuroscience and Neural Coding

Message from the Guest Editor

This Special Issue aims to provide a forum for the presentation of new approaches for using information theory in the service of understanding principles of statistical learning at the computational level and the application of such tools to the study of the brain. Topics of interest include, but are not limited to, the following:

- Mathematical modeling of brain computation or artificial neural systems;
- New statistical methods for neural data constructed based on information theoretic principles;
- Theoretical models of statistical learning;
- Information theoretic investigation of artificial intelligent systems;
- Neural coding.

Guest Editor

Dr. Cristina Savin
Center for Data Science, New York University, New York, NY 10011, USA

Deadline for manuscript submissions

31 August 2025

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/209671

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

mdpi.com/journal/entropy

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/journal/entropy

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

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)

MDPI