Special Issue

Natural Language Processing and Data Mining

Message from the Guest Editor

Natural language processing (NLP) and data mining are two rapidly advancing and synergistic fields with broad applications of the relevant concepts of entropy, information theory, or related studies. *Entropy* is calling for original research submissions for a Special Issue highlighting recent innovations and advances. We invite research covering novel techniques, studies, methodologies, and technologies that integrate NLP and data mining theories, models, and algorithms. Potential topics include, but are not limited to, the following: using NLP techniques to extract and structure data from unstructured text for mining, enhancing the discovery of knowledge and patterns from text using data mining, multimodal data mining leveraging linguistic cues and rules, and studies evaluating the effectiveness of different NLP and data mining integration approaches, as well as broader applications such as sentiment analysis, recommendation systems, question answering, and decision making systems empowered by both capabilities. Both theoretical contributions and empirical studies on real-world datasets are within scope.

Guest Editor

Dr. Manling Li
Computer Science Department, Northwestern University, Evanston, IL 60208, USA

Deadline for manuscript submissions

closed (15 June 2025)

Entropy

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