entropy

an Open Access Journal by MDPI

IMPACT FACTOR 2.1

Indexed in: PubMed

CITESCORE 4.9

Information-Theoretic Approaches to Explaining Linguistic Structure

Guest Editors:

Dr. Kathleen Currie Hall
Department of Linguistics, University of British Columbia, Vancouver, BC V6T 1Z4, Canada

Dr. Uriel Cohen Priva
Department of Cognitive, Linguistic & Psychological Sciences, Brown University, Providence, RI 02912, USA

Dr. Richard Futrell
Department of Language Science, University of California Irvine, Irvine, CA 92697, USA

Deadline for manuscript submissions:
closed (15 December 2021)

Message from the Guest Editors

Information theory is a highly generic and powerful mathematical framework for analyzing communication systems. In recent years, there has been renewed interest in using this framework to understand linguistic structure. This is in part because language is a communication system that enables effective communication, subject to cognitive, physical, and social constraints on how we encode, transmit, receive, decode, and store linguistic content. Information theory provides ways not only to formalize these constraints, but also to study how they affect the structure of the resulting communication system. Information theory thus provides a bridge between linguistic function and linguistic form.

In this special issue, we invite contributions applying information theory to explain why and how particular linguistic phenomena arise at all levels of linguistic analysis, such as phonetics, phonology, morphology, syntax, semantics, and pragmatics, as well as cross-cutting areas such as sociolinguistics, historical linguistics, acquisition, language processing, etc.

entropy

IMPACT FACTOR 2.1 | Indexed in: PubMed | CITESCORE 4.9

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