Special Issue

Information Theory Based Methods in Machine Learning and Bioinformatics

Message from the Guest Editors

The aim of this Special Issue is to collect recent results on information theory-related machine learning methods in bioinformatics. We also invite submissions about new perspectives, currently ongoing research, and discussions regarding existing approaches. As such, the papers can either provide theoretical perspectives, highlight outstanding applications, or introduce new perspectives and concepts in bioinformatics. Review papers dedicated to specific aspects of information theoretic learning in biomedical contexts are also welcome. In the filed of bioinformatics, we emphasize topics such as sequence analysis using information theoretic machine learning methods, applications in molecular biology, structure analysis, as well as applications in biomedicine. These topics are not exclusive; papers addressing other bioinformatic topics related to information theoretic methods in machine learning will be considered as well.

Guest Editors

Prof. Dr. Thomas Villmann

Prof. Dr. Peter Tino

Dr. Luis Gonzalo Sánchez Giraldo

Deadline for manuscript submissions

closed (25 March 2022)

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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

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