Special Issue

Machine Learning and Entropy Based Methods for Biomedical Data Analytics and Modeling

Message from the Guest Editor

Biomedical systems are generating a huge variety of multiomics big data, including genomics, proteomics and imaging (radiomics and pathomics). The analysis and modeling of these data require advanced methods, often borrowed from artificial intelligence and statistical learning, ranging from dimensionality reduction to synthetic data generation and stochastic methods. This Special Issue aims to be a forum for the presentation of new and improved techniques of machine learning, information theory, and modeling for complex biomedical systems. In particular, the analysis and interpretation of real-world natural and engineered complex systems with the help of statistical tools based on Shannon information theory fall within the scope of this Special Issue.

Guest Editor

Prof. Dr. Gastone C. Castellani Department of Experimental, Diagnostic and Specialty Medicine– DIMES, Alma Mater Studiorum-Università di Bologna, Bologna, Italy

Deadline for manuscript submissions

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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

Prof. Dr. Kevin H. Knuth

Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

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