Special Issue

Evaluation of Machine Learning Techniques by Entropic Means

Message from the Guest Editors

We invite specific contributions designed to advance the assessment and explanation of the effects of techniques involved in any and all of the stages in the machine learning pipeline (classifier or regressor estimation, representation transformation, including deep transformations and embeddings, feature selection, or any other form of data preparation) using entropic measures (entropy, cross-entropy, mutual information, divergences, etc.) in any of their forms. Possible topics include, but are not limited to, the following:

- Entropic assessment as an explanation of machine learning tasks and results;
- Explaining the results of machine learning;
- Entropy diagrams;
- Entropic exploratory data analysis;
- Information bottleneck and information planes in machine learning;
- New entropic measures for machine learning.

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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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