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Machine/Statistical Learning and Modeling with Potential Applications in Entropy, Information Theory, and Artificial Intelligence

Guest Editor:

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Deadline for manuscript submissions:
closed (30 April 2021)

Message from the Guest Editor

Today, regression is a supervised technique widely used in data science, data mining, machine learning, and statistical learning. Although the focus of this Special Issue is the machine/statistical learning and modeling, we welcome contributions in artificial intelligence, classification, and unsupervised learning, as well as in the topics detailed below. We strongly encourage interdisciplinary works with real data.

This Special Issue looks for submissions in but not limited to the following areas:

(i) Machine learning and clustering;
(ii) Artificial intelligence;
(iii) Big data, dimensionality high, and large-scale data analysis in supervised learning;
(iv) Multivariate analysis with emphasis in dimensionality reduction, such as PCA, PLS, and others;
(v) Genetic algorithms, particle swarm optimization, and others, for supervised learning;
(vi) Applications of supervised learning and data science in entropy and information theory;
(vii) Bayesian methods;
(viii) Global and local influence diagnostics in supervised learning.

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Editor-in-Chief

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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.

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