



Information Theoretic Feature Selection Methods for Big Data

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Deadline for manuscript submissions:

closed (15 December 2020)

Message from the Guest Editors

This Special Issue aims to solicit and publish papers that provide a clear view of state-of-the-art feature selection methods based on information theories including interaction information, mutual information, and entropy for Big Data. We therefore encourage submissions in, but not limited to, the following areas:

- Information theoretic methods for feature selection based on interaction information, mutual information, entropy and so on.
- Information theoretic measure-based supervised, unsupervised, and semi-supervised feature selection methods for single-label, multi-label, multi-task, multi-instance, and time-series linked Big Data.
- Missing, uncertain, and imbalanced data in the context of information theoretic feature selection for Big Data
- Information theoretic feature selection methods using single-objective and multi-objective meta-heuristic search methods such as genetic algorithms, particle swarm optimization, and ant colony optimization.
- Applications based on information theoretic feature selection (e.g., text processing, bioinformatics, medical informatics, urban, entertainment, and education).





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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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