Special Issue

Statistical Machine Learning for Multimodal Data Analysis

Message from the Guest Editor

Methods and algorithms in statistical machine learning explore relationships between variables in large, complex datasets in supervised, unsupervised or semi-supervised manners. Significant research results have been presented in recent years on a variety of topics, including linear and nonlinear regression, classification, clustering, resampling methods, model selection, and regularization. Furthermore, the latest strides in deep, reinforcement, and adversarial learning in conjunction with increasing availability of data from a wide variety of modalities (visual, thermal, hyperspectral, audio/speech, textual, radar, network traffic, energy, Channel State Information, and others) provide great opportunities and at the same time significant challenges for theoretical advancements and novel practical developments in a variety of application domains. This Special Issue solicits original research papers as well as review articles and short communications in the above-described areas.

Guest Editor

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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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Editor-in-Chief

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