Special Issue

Machine-Learning-Based Feature Extraction and Selection

Message from the Guest Editor

The technological advances attained during the last decade, together with the enhancement of data storage and computation capabilities, have stimulated the continuous generation and storage of large volumes of high-dimensional heterogeneous data at an unprecedented speed. In this context, feature extraction and selection methods have become a crucial mechanism to alleviate two key issues related to high-dimensional data: (i) the increase in computational efforts required for its processing and/or analysis, and (ii) the existence of additional duplicated and/or meaningless information associated with the curse of dimensionality phenomenon. In this Special Issue, we will explore the potential of applying Machine-Learning-Based Feature Extraction and Selection methods to reduce model complexity by decreasing data dimensionality. This Special Issue is open for the publication of experimental works, properly validated designs, theoretical studies, and state-of-the-art review papers.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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