New Trends in Machine Learning for Biomedical Data Analysis

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Message from the Guest Editor

The innovation and development of new technologies based on artificial intelligence and neural networks are applied in conjunction with other modern fields of medicine, generating a range of applications in health such as improvements in the prediction of diseases, support for specialists in decision-making, favoring the early diagnosis of specific pathologies, the development of non-invasive diagnostic tools, and cost savings in health clinics. Artificial intelligence (AI) is a tool with various applications allowing data analysis, image and voice recognition, analysis, and identification. Some of the areas that use AI include Philosophy, Mathematics, Economics, Physics, Optics, Electronics, Neurosciences, Control Theory, etc.

The set of machine learning techniques and algorithms is being applied in research including the medical field to detect diseases, analyze genetic data in bioinformatics, and analyze data science for health care. Other fields include cancer research and research of other diseases, education, and vehicle, aircraft, and drone manufacturing.

Special Issue

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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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