Advances in Machine Learning for Healthcare Applications

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Message from the Guest Editors

The healthcare sector is undergoing a transformative shift with machine learning (ML), providing significant opportunities for enhanced patient care and research support. The "Advances in Machine Learning for Healthcare Applications" Special Issue highlights recent breakthroughs in ML within healthcare, emphasizing knowledge exchange and exploring obstacles. ML algorithms efficiently extract insights from diverse healthcare data for precise diagnostics, tailored treatments, and predictive analytics. The issue addresses ethical considerations, aiming to balance data leverage for health improvement with the protection of patient privacy. Contributions, including original research, reviews, and case studies, deepen understanding of ML and AI capabilities and constraints in healthcare, fostering ongoing advancements and collaboration in this critical field.

Keyword: machine learning in healthcare; clinical workflow optimization; predictive analytics in medicine; healthcare data analysis; personalized treatment planning; medical diagnostic algorithms; AI ethics in healthcare; patient data privacy; interdisciplinary collaboration in health AI; healthcare AI regulation and policy

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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