



AI and Big Data Revolution in Healthcare: Past, Current, and Future

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Message from the Guest Editors

With the rapid advancement in computer technologies, healthcare has also evolved. Smart and intelligent healthcare systems have been developed and are currently in practice. Some examples of these are electronic healthcare records (EHRs), electronic medical records (EMRs), personal healthcare records (PHRs), picture archiving and communication systems (PACs), and healthcare information management systems (HIMS). Along with these contemporary healthcare systems, the AI community has introduced integrated AI-based decision-making systems. These AI systems have been named clinical decision support systems (CDSS), and researchers from the University of Leeds have developed an early naïve Bayesian-based decision-making system for the diagnosis of acute abdominal pain.

Special Issue invites AI experts, data scientists, medical experts, researchers, and bioinformaticians to share their non-published experiences of the past, current state-of-the-art novel approaches, and future perspectives to contribute to AI in healthcare.

For more information, please refer to:
https://www.mdpi.com/journal/ijerph/special_issues/AI_big_data_revolution_healthcare





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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