

Special Issue

Machine Learning and Analytics for Medical Care and Health Service

Message from the Guest Editors

Data science and analytics are growing in importance for science and business. Vast quantities of data are being collected by various stakeholders from major social media platforms, online customers, healthcare, and mobile applications, among others, leading to the coining of a new term, “big data”, and the development of new powerful artificial intelligence (AI) and machine learning methods. These methods are capable of exploring data and seeking useful patterns and interpreting them for decision making. Medical care and health systems are constantly striving for better, more accurate services and methods, but there are multiple challenges associated with diagnostic efficiency and accuracy, health costs, screening processes, medical resource management, medical accessibility, data security, and data quality, among others. Interest in big data processing within medical care and health services is increasing rapidly, reflecting the growing excitement in this rapidly expanding field and the potential of significant improvements in cost reduction and patient outcomes that will emerge from the application of these new AI and machine learning methods.

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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.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

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