



Big Data, Decision Models, and Public Health

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Message from the Guest Editors

Big data analytics techniques such as statistical analysis, data mining, machine learning and deep learning can be applied to construct innovative decision models. This Special Issue focuses on the use of big data analytics and forms of public health decision-making based on the decision model, spanning from theory to practice. While working with people's health and medical information, we also need to commit to scientific integrity issues including people's privacy, data sharing, bias and uncertainty, research design and statistical inference. Practical experiences and experiments concerning the above issues in big data analytics are also welcome.





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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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