Special Issue

Health and Medical Policy in the Era of Big Data Analytics

Message from the Guest Editors

Over the last few years, the breathtaking pace of advances in translational medical knowledge has been generating vast quantities of digitized biomedical and health care data that more than match the quintessential five Vs of Big Data—Volume, Velocity, Variety, Variability, and Veracity.

As the fusion of biomedical research with Big Data continues to break new grounds, a fresh examination of the adequacy of existing health and medical policies is warranted.

To that end, this Special Issue on "Health and Medical Policy in the Era of Big Data Analytics" seeks original research, reports, and reviews that highlight challenges posed in developing actionable policies with Big Data analytics to provide state-of-the-art, affordable, and equitable biomedical health care to all. Research contributions showing how augmenting AI/machine learning techniques with Big Data analytics could help mitigate health care disparity are also welcome.
- artificial intelligence/machine learning
- medical and health care policy
- fairness and disparity in the health care system

Guest Editors

Prof. Dr. Naoru Koizumi

Prof. Dr. Megumi Inoue

Prof. Dr. Ali Andalibi

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About the Journal

Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Lorraine S. Evangelista
Sue & Bill Gross School of Nursing, University of California, Irvine, CA 92697, USA

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.5 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

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