Special Issue

Artificial Intelligence Applications to Public Health Nutrition

Message from the Guest Editor

Artificial Intelligence (AI), characterized by machine and deep learning, has become increasingly recognized as an indispensable tool in health management and promotion, with relevant applications expanding from disease outbreak prediction to medical imaging and patient communication to behavioral modification. Public health nutrition aims to promote overall nutritional health among a population rather than considering one person's health at a time. We would be thrilled if it could help us to move one step closer to our goal of leveraging the power of AI to improve dietary behaviors and nutrition outcomes at the population level. This Special Issue calls for interdisciplinary, empirical research that applies machine or deep learning technologies to address issues in public health nutrition. Priorities will be given to studies that could transform current practices, scale up to serve a large population, and adapt to other settings or geographical regions. The Special Issue emphasizes AI applications; studies on AI theories or tooling without real-world applications and studies without an explicit focus on public health nutrition will not be considered.

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Deadline for manuscript submissions

closed (15 July 2024)

About the Journal

Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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