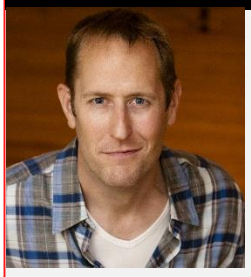
Using Big Data and Artificial Intelligence for Population Health



David Buckeridge PhD,

Associate Professor,
Department of Epidemiology, Biostatistics and Occupational Health, McGill University

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11:00AM – 12:30PM EST

Abstract

Most would agree that we can do a better job of monitoring and managing population health. At the same time the rise of big data and the resurgence of Artificial Intelligence (AI) are seen by many to offer great potential for population health. I will present two population health research projects using Big Data and AI within the Population Health Record (PopHR) research program. In the Big Data example, I will describe research to develop and analyze indicators of population scale nutrition from records of digital transactions in food retailers. In the AI example, I will describe research to develop intelligent population health information displays that use epidemiological knowledge to guide the interpretation of population health information and the identification of evidence-based interventions for a defined population.

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About the BRIDGE Webinar Series

The **BRIDGE** webinar series is designed to prepare for the next generation of big data analytics, woven into transdisciplinary and intersectoral sciences, policy and innovation, and serving as catalyst for solutions at scale to better address the seemingly intractable problems that lie at the nexus of health and wealth production, distribution and consumption. A key to accelerate change lies in establishing bridges between sectoral big data, and between data and content. To foster real time learning, the **BRIDGE** webinar series brings together a new solution-oriented transdisciplinary translational paradigm for the four *M*s of big data sciences used on both sides of the health and economic divide (*M*achines, *M*ethods, *M*odels and *M*atter).

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