

Public Health Data Science, Wearable Devices, and Functional Data Analysis

Date: 12 October 2022 (Wednesday)

Time: 10:00am - 11:00am

Seminar link: <https://cityu.zoom.us/j/96079847049>



ABSTRACT

Although the major components of data science have existed for many years, the term has rapidly grown in prominence in the last decade. This reflects the confluence of several important trends in science, including the prevalence of big data, the development of computational approaches to analysis, and the recognized need for reproducibility in research. We'll provide an understanding of “data science”, with particular emphasis on connotation and the implied perspectives for working with data. I'll then discuss my work in public health data science focused on developing and applying functional data analysis techniques to physical activity data collected using wearable devices.



Prof Jeff GOLDSMITH GUEST SPEAKER'S PROFILE

Dr Jeff Goldsmith is an associate professor in Biostatistics at the Columbia University Mailman School of Public Health. His work advances the state-of-the-art in functional data analysis by developing methods for understanding patterns in large, complex datasets in neuroscience, physical activity monitoring, and other areas.