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Webinar: A new network analysis approach for studying longitudinal friendship data in classroom and group settings

Professor Edward Hak-Sing Ip

**Department of Biostatistics and Data Science
Wake Forest School of Medicine
Wake Forest University, USA**

**November 20, 2019 (Wednesday)
11:00 – 12:30**

Chair: Dr Xue-Lan Qiu

About the speaker:

Edward Ip is a tenured Professor at the Department of Biostatistics and Data Science, Wake Forest School of Medicine, North Carolina, USA. A graduate of HKU (BSc), he was trained in both psychometrics (MEd) and statistics (PhD) at Stanford University. His methodological research interests focus on latent variable models including item response theory, and longitudinal data analysis including the hidden Markov model. His substantive areas of research cut across many fields in social and behavioral sciences, particularly on health-related subjects. Currently, Prof. Ip is Editor of the journal Psychometrika for its Application Overviews and Case Studies section, and Associate Editor of the Journal of Educational and Behavioral Statistics, and the journal Quality of Life Research.

Abstract:
Can friendship network within a group-based intervention program amplify or diminish the intervention effect? This question has important practical implications for behavioral interventions including classroom-based interventions. Traditional social network tools often encounter problems such as non-convergence due to sparse network links, transition of students to different friendship networks over grade progression, and missing friendship data. In this talk, I will introduce a method based on network feature extraction and profile formation. The eventual goal is to use the extracted network information for analysis of its potential effect, which could take many forms (e.g., mediate an intervention) on the outcome of interest. Several examples, including a health-related study that is based on multi-site after-school programs, will be used for illustration.

Registration:
https://hkuems1.hku.hk/hkuems/ec_hdetail.aspx?guest=Y&ueid=68432
An email showing the web link for this webinar will be sent to all registered participants from both rounds on November 19, 2019.
Enquiries: Office of Research, Faculty of Education, HKU (Tel: 3917 5728)