THE HONG KONG POLYTECHNIC UNIVERSITY
DEPARTMENT OF MANAGEMENT AND MARKETING
Departmental Research Seminar

Causal Identification in Information Systems
By

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Date : 14 Jun 2023 (WED)
Time : 3 – 4:30 pm
Venue : M802

Abstract

We will cover empirical methods that are widely used in Information Systems (IS). To address the confounder issue, we introduce a class of counterfactual estimators (CEs) to strengthen our causal identification and perform diagnostic tests to validate model assumptions for each CE. Methodology-wise, we provide valuable practice for researchers who are aiming to establish causal relationships with observational time-series cross-sectional data or panel data. With the linear two-way fixed effects model as one of the most commonly used identification strategies, a useful extension is to adopt CEs relaxing the strict identifying assumption and obtain more reliable estimates for causal inference.

Dr Liangfei Qiu is the PricewaterhouseCoopers Associate Professor and UF Research Foundation Professor at Warrington College of Business, University of Florida. He also serves as the Ph.D. coordinator for the Department of Information Systems and Operations Management. His current research focuses on social technology (social networks, social media, and prediction markets), platform technology (sharing/gig economy, e-commerce platforms, and healthcare analytics), and telecommunications technology. His research has appeared in premier academic journals, including *Information Systems Research (ISR)*, *MIS Quarterly (MISQ)*, *Production and Operations Management (POM)*, *Journal of Management Information Systems (JMIS)*, *Decision Sciences*, and *Decision Support Systems (DSS)*. He is currently an Associate Editor for *MISQ*, a Senior Editor for *POM*, and an Associate Editor for *DSS* and *Decision Sciences*.

All interested are welcome.

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