Causal Learning With Interactions

11-12 December 2019

The conference will be held in the IFS Conference Room at IFS, 7 Ridgmount Street, London, WC1E 7AE

Organised By: Mingli Chen (University of Warwick and The Alan Turing Institute), Peng Ding (University of California, Berkeley), Mirko Draca (University of Warwick), Toru Kitagawa (cemmap and University College London) and Chenlei Leng (University of Warwick and The Alan Turing Institute)

Programme

Day 1: Wednesday, 11 December

9:30-10:00 Registration & Coffee

10:00-10:45 **Tyler H. McCormick (University of Washington) "Estimating Spillovers using Imprecisely Measured Networks"** joint with Morgan Hardy, Rachel M. Heath, and Wesley Lee

10:45-11:30 **Michele Pellizzari (University of Geneva) "Production Interactions in Endogenous Networks"** joint with Giacomo De Giorgi and Tomás Rodríguez Barraquer

11:30-12:15 **Shin Kanaya (Aarhus University) "Demand and Welfare Analysis in Discrete Choice Models under Social Interactions"** joint with Debopam Bhattacharya and Pascaline Dupas

12:15-13:30 Lunch

13:30-14:15 **Mirko Draca (University of Warwick) "Cascading Innovation"** joint with Vasco Carvalho

14:15-15:00 **Vasco M. Carvalho (University of Cambridge) "Network Bottlenecks and Market Power"** joint with Matt Elliott and John Spray

15:00-15:45 **Ashesh Rambarachan (Harvard University) "A Nonparametric Dynamic Causal Model for Macroeconometrics"** joint with Neil Shephard

15:45-16:15 Coffee break

16:15-17:00 **Tetsuya Kaji (Chicago Booth) "Artificial Intelligence for Structural Estimation"** joint with Elena Manresa and Guillaume Pouliot

17:00-17:45 **Kenichi Nagasawa (University of Warwick) "Identification and Estimation of Group-Level Partial Effects"**

Day 2: Thursday, 12 December

9:30-10:00 Coffee

10:00-10:45 **Rajen Shah (University of Cambridge) "RSVP-graphs: Fast High-dimensional Covariance Matrix Estimation under Latent Confounding"** joint with Benjamin Frot, Gian-Andrea Thanei, and Nicolai Meinshausen

10:45-11:30 **Yuya Sasaki (Vanderbilt University) "Multiway Cluster Robust Double/Debiased Machine Learning"** joint with Harold D. Chiang, Kengo Kato, and Yukun Ma

11:30-12:15 **Davide Vivino (University of California San Diego) "Policy Targeting under Network Interference"**

12:15-13:30 Lunch

13:30-14:15 **Fredrik Sävje (Yale University) "Average Treatment Effects in the Presence of Unknown Interference"** joint with Peter M. Aronow and Michael G. Hudgens

14:15-15:00 **Hyungseung Kang (University of Wisconsin-Madison) "Efficient Semiparametric Estimation of Network Treatment Effects under Partial Interference"**

15:00-15:30 Coffee break

15:30-16:15 **Elizabeth Ogburn (Johns Hopkins University) "Social Network Dependence, the Replication Crisis, and (In)Valid Inference"**

16:15-17:00 **Peng Ding (University of California Berkeley) "Randomization Inference for Peer Effects"**

17:00 Close of Workshop