Causal Inference with Big Data Workshop
(16 Dec 2021–23 Dec 2021)

ORGANIZING COMMITTEE

Co-Chairs

Hyunseung Kang
University of Wisconsin-Madison

Wei-Yin Loh
University of Wisconsin-Madison

Members

Jialiang Li
National University of Singapore

Baoluo Sun
National University of Singapore

*Registration is required for this program.

Venue

Virtual: The details and link will be sent to you before the program commences after registration has been processed.

For more information: Click here

Causal Inference with Big Data: Workshop
(16–23 December 2021)

All times are indicated in **GMT+0**.
For time zones conversion: **Click Here**

GMT Time Reference				
Greenwich Mean Time (+0)	Canada USA, New York (-5)	USA, Madison (-6)	Switzerland Austria Belgium (+1)	China Hong Kong Philippines Singapore Taiwan (+8)
2200	1700	1600	2300	0600
2300	1800	1700	0000	0700
0000	1900	1800	0100	0800

Thursday, 16 December 2021		
Time* **(GMT +8)**	**Title**	**Speaker**
2000–2100	Ng Kong Beng Public Lecture Series Human Flourishing and Causal Inference	Tyler J. VanderWeele Harvard University, USA
*US Eastern Time is **16 December 2021, 0700** at start of the talk.		

Friday, 17 December 2021		
Time* **(GMT +8)**	**Title**	**Speaker**
0555–0600	Opening Remarks	Wei-Yin Loh University of Wisconsin–Madison, USA
0600	Session Chair: Baoluo Sun (National University of Singapore, Singapore)	
0600–0700	Experimental evaluation of algorithm-assisted human decision making	Zhichao Jiang UMass Amherst, USA
0700	Group Photo	Zoom Online

Friday, 17 December 2021

Time* (GMT +8)	Title	Speaker
0700–0800	Minimax rates for heterogeneous effect estimation	Edward Kennedy Carnegie Mellon University, USA
0800–0900	Estimation of optimal testing and treatment regimes under no direct effect (NDE) of testing	James Robins Harvard University, USA
*US Eastern Time is **16 December 2021, 1700** at start of the first talk.		

Saturday, 18 December 2021

Time* (GMT +8)	Title	Speaker
0600	Session Chair: Jialiang Li (National University of Singapore, Singapore)	
0600–0700	On multiply robust mendelian randomization (MR2) with many invalid genetic instruments	Baoluo Sun National University of Singapore, Singapore
0700–0800	Assumption-lean analysis of cluster randomized trials in infectious diseases for intent-to-treat effects and network effects	Hyunseung Kang University of Wisconsin–Madison, USA
0800	Session Chair: Wei-Yin Loh (University of Wisconsin-Madison, USA)	
0800–0900	Multi-threshold structural equation model	Jialiang Li National University of Singapore, Singapore
*US Eastern Time is **17 December 2021, 1700** at start of the first talk.		

Monday, 20 December 2021

Time* (GMT +8)	Title	Speaker
0600	Session Chair: Hyunseung Kang (University of Wisconsin–Madison, USA)	
0600–0700	Disentangling confounding and nonsense associations due to dependence	Elizabeth Ogburn Johns Hopkins University, USA
0700	Session Chair: Menggang Yu (University of Wisconsin–Madison, USA)	
0700–0800	Big data inference and statistical meta-analysis	Ding-Geng Chen Arizona State University, USA
0800	Session Chair: Jialiang Li (National University of Singapore, Singapore)	

Monday, 20 December 2021		
Time* **(GMT +8)**	**Title**	**Speaker**
0800–0900	A stableness of resistance model for nonresponse adjustment with callback data	Miao Wang Peking University, China
*US Eastern Time is **19 December 2021, 1700** at start of the first talk.		

Tuesday, 21 December 2021		
Time* **(GMT +8)**	**Title**	**Speaker**
0600	Session Chair: Baoluo Sun (National University of Singapore, Singapore)	
0600–0700	Doubly robust semiparametric inference using regularized calibrated estimation with high-dimensional data	Zhiqiang Tan Rutgers University, USA
0700	Session Chair: Ding-Geng (Din) Chen (Arizona State University, USA)	
0700–0800	Robust sample weighting to facilitate individualized treatment rule learning for a target population	Menggang Yu University of Wisconsin–Madison, USA
0800	Session Chair: Baoluo Sun (National University of Singapore, Singapore)	
0800–0900	To adjust or not to adjust? Estimating the average treatment effect in randomized experiments with missing covariates	Peng Ding University of California, Berkeley, USA
*US Eastern Time is **20 December 2021, 1700** at start of the first talk.		

Wednesday, 22 December 2021		
Time* **(GMT +8)**	**Title**	**Speaker**
0600	Session Chair: Peng Ding (University of California, Berkeley, USA)	
0600–0700	Optimal tests of the composite null hypothesis arising in mediation analysis	Caleb Miles Columbia University, USA
0700	Group Photo	Zoom Online
0700	Session Chair: Edward Kennedy (Carnegie Mellon University, USA)	
0700–0800	Efficient estimation under data fusion	Alex Luedkte University of Washington, USA
0800	Session Chair: Jialiang Li (National University of Singapore, Singapore)	
0800–0900	Nonparametric causal mediation in a time-to-event setting	Yen-Tsung Huang Academia Sinica, Taipei
*US Eastern Time is **21 December 2021, 1700** at start of the first talk.		

Thursday, 23 December 2021		
Time* **(GMT +8)**	**Title**	**Speaker**
0600	Session Chair: Hyunseung Kang (University of Wisconsin–Madison, USA)	
0600–0700	Assumption-lean Cox regression	Stijin Vansteelandt Ghent University, Belgium
0700–0800	Theory for Identification and Inference with Synthetic Controls: A Proximal Causal Inference Approach	Eric Tchetgen Tchetgen University of Pennsylvania, USA
0800–0900	Missing values, regression trees, and causal inference	Wei-Yin Loh University of Wisconsin–Madison, USA
*US Eastern Time is **22 December 2021, 1700** at start of the first talk.		