

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

Name & Affiliation	Talk Title
Ding-Geng Chen Arizona State University, USA	Big data inference and statistical metaanalysis (Video)
Peng Ding University of California, Berkeley, USA	To adjust or not to adjust? Estimating the average treatment effect in randomized experiments with missing covariates (Video)
Yen-Tsung Huang Academia Sinica, Taipei	Nonparametric causal mediation in a time-to-event setting (Video)
Zhichao Jiang University of Massachusetts Amherst, USA	Experimental evaluation of algorithmassisted human decision making (Video)
Hyunseung Kang University of Wisconsin-Madison, USA	Assumption-lean analysis of cluster randomized trials in infectious diseases for intent-to-treat effects and network effects (Video)
Edward Kennedy Carnegie Mellon University, USA	Minimax rates for heterogeneous effect estimation (Video)
Jialiang Li National University of Singapore, Singapore	Multi-threshold structural equation model (Video)
Wei-Yin Loh University of Wisconsin-Madison, USA	Tutorial on Classification and Regression Trees By Example (Videos) (Slides) Missing values, regression trees, and causal inference (Video)
Alex Luedkte University of Washington, USA	Efficient estimation under data fusion (Video)
Caleb Miles Columbia University, USA	Optimal tests of the composite null hypothesis arising in mediation analysis (Video)
Elizabeth Ogburn Johns Hopkins University, USA	Disentangling confounding and nonsense associations due to dependence (Video)

Name & Affiliation	Talk Title
James Robins Harvard University, USA	Difference in differences (DID) with time varying treatments and confounders with a focus on optimal regime DID (Video)
Baoluo Sun National University of Singapore, Singapore	On multiply robust mendelian randomization (MR2) with many invalid genetic instruments (Video)
Zhiqiang Tan Rutgers University, USA	Doubly robust semiparametric inference using regularized calibrated estimation with high-dimensional data (Video)
Eric Tchetgen Tchetgen University of Pennsylvania, USA	Theory for Identification and Inference with Synthetic Controls: A Proximal Causal Inference Approach (Video)
Tyler J. VanderWeele Harvard University, USA	<i>Ng Kong Beng Public Lecture Series</i> Human Flourishing and Causal Inference (Video)
Stijin Vansteelandt Ghent University, Belgium	Assumption-lean Cox regression (Video)
Miao Wang Peking University, China	A stableness of resistance model for nonresponse adjustment with callback data (Video)
Menggang Yu University of Wisconsin-Madison, USA	Robust sample weighting to facilitate individualized treatment rule learning for a target population (Video)