



Causal Inference Program Opening Workshop December 9-11, 2019

SPEAKER TITLES/ABSTRACTS

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“ \hat{A} Heterogeneous Causal Effects under Network Interference”

Spillovers are a crucial component in understanding the full impact of interventions at the population-level. Information about spillovers of health interventions would support decisions about how best to deliver interventions and can be used to guide public funds allocation. In fact, policy makers can gain from understanding the heterogeneity of spillover effects to identify the most contagious or influential individuals and \hat{A} those who are more susceptible. Social network targeting shows great promise in behavioral change interventions and policy makers are in need of guidance on how best to design their programs so as to use social networks to maximize adoption of healthy behaviors for improving community health.

Under a causal inference framework, we develop machine learning methods to assess the heterogeneity of treatment and spillover effects in a two-stage randomized experiment with clustered networks.