



The Institute
for Quantitative Social Science

at Harvard University

Frontiers in the Analysis of Causal Mechanisms

Sponsored by the Eric M. Mindich Conference Fund

Saturday, March 24, 2012

CGIS South Building, 1730 Cambridge St.

Tsai Auditorium, Room S010 lower level

Panelists

Experimental Verification and the Pure (aka Natural) Direct Effect

Thomas Richardson, University of Washington

Causality, Mechanisms, and Statistics

Jamie Robins, Harvard University

Inverse Odds Ratio Estimation for Causal Mediation Analysis

Eric Tchetgen-Tchetgen, Harvard University

A Three-way Decomposition of a Total Effect into Direct, Indirect, and Interactive Effects

Tyler VanderWeele, Harvard University

Identifying Causal Mechanisms in Experiments (primarily) based on Inverse Probability Weighting

Martin Huber, University of St. Gallen

Compliance Mixture Modelling with a Zero Effect Complier Class and Missing Data

Michael Sobel, Columbia University

Accommodating Missingness When Assessing Surrogacy Via Principal Stratification

Michael Elliot, University of Michigan

Identification and Sensitivity Analysis for Multiple Causal Mechanisms:

Revisiting Evidence from Framing Experiments

Kosuke Imai, Princeton University and Teppei Yamamoto, MIT

Using Post-Treatment Variables to Establish Upper Bounds on Causal Effects: Assessing Executive Selection Procedures in Democracies

Adam Glynn and Nahomi Ichino, Harvard University

An Empirical Investigation of the Democratic Peace

Michael Tomz, Stanford University

Analyzing Causal Mechanisms: A Formal Approach Using Directed Acyclic Graphs (DAGs)

Carly Knight and Chris Winship, Harvard University

Using Marginal Structural Models to Estimate the Direct Effect of Adverse Childhood Social Conditions on Onset of Heart Disease, Diabetes, and Stroke

Arijit Nandi, McGill University

Mediation Analysis of Imagery and Memory for Words

David MacKinnon, Arizona State University



Register by 3/16 at <http://projects.iq.harvard.edu/causalmechanisms>