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# Bravo/JEA/SNSF Workshop on Using Data to Make Decisions

19<sup>th</sup> – 20<sup>th</sup> July 2023

at Joukowski Conference Forum (Room 155), Watson Institute (111 Thayer St)

Brown University

## Wednesday, 19<sup>th</sup> July

9:00 – 9:25 Coffee/Breakfast and registration

9:25 – 9:30 Opening Remark

### **Session 1:** Chair, Toru Kitagawa

9:30 – 10:15 **Keisuke Hirano** (Penn State) “[Asymptotic Representations for Sequential Decisions, Adaptive Experiments, and Batched Bandits](#)” (joint with Jack Porter)

10:15 – 11:00 **Daido Kido** (Kyoto University) “Asymptotically Optimal Statistical Treatment Rules under Partial Identification”

11:00 – 11:20 Coffee Break

### **Session 2:** Chair, Aleksey Tetenov

11:20 – 12:05 **Charles Manski** (Northwestern) “[Using Limited Trial Evidence to Credibly Choose Treatment Dosage when Efficacy and Adverse Effects Weakly Increase with Dose](#)”

12:05 – 13:15 Lunch Break

**Session 3:** Chair, Jiaying Gu

13:15 – 14:00 **Kosuke Imai** (Harvard) “[Safe Policy Learning through Extrapolation: Application to Pre-trial Risk Assessment](#)” (joint with Eli Ben-Michael, James Greiner and Zhichao Jiang)

14:00 – 14:45 **Lihua Lei** (Stanford) “[Policy Learning under Biased Sample Selection](#)” (joint with Roshini Sahoo and Stefan Wager)

14:45 – 15:05 Coffee Break

**Session 4:** Chair, Jonathan Roth

15:05 – 15:50 **Kohei Yata** (Wisconsin-Madison) “[Optimal Decision Rules Under Partial Identification](#)”

15:50 – 16:35 **Jose Montiel Olea** (Cornell) “Treatment Choice with Partial Identification: Challenges and Opportunities” (joint with Joerg Stoye and Chen Qiu)

16:35 – 17:20 **Shosei Sakaguchi** (University of Tokyo) “[Choosing Who Chooses: Selection-Driven Targeting in Energy Rebate Programs](#)” (joint with Takanori Ida, Takunori Ishihara, Koichiro Ito, Daido Kido, Toru Kitagawa and Shusaku Sasaki)

18:30 - Conference Dinner @ Mills Tavern (101 North Main Street, Providence). For the invitees

**Thursday, 20<sup>th</sup> July**

8:30 – 9:00 Coffee/Breakfast

**Session 5:** Chair, Lihua Lei

9:00 – 9:45 **Isaiah Andrews** (MIT) “[GMM is Inadmissible Under Weak Identification](#)” (joint with Anna Mikusheva)

9:45 – 10:30 **Adam McCloskey** (Colorado Boulder) “Inference for Interval-Identified Parameters Selected from an Estimated Set”

10:30 – 10:50 Coffee Break

**Session 6:** Chair, Liyang Sun

10:50 – 11:35 **Angela Zhou** (University of Southern California) “[Robust Fitted-Q-Evaluation and Iteration under Sequentially Exogenous Unobserved Confounders](#)” (joint with David Bruns-Smith)

11:35 – 12:20 **Maximilian Blesch** (Humbolt University Berlin) “[Robust Decision-Making Under Risk and Ambiguity](#)” (joint with Philipp Eisenhauer)

12:20 – 13:30 Lunch

**Session 7:** Chair, Soonwoo Kwon

13:30 – 14:15 **Davide Viviano** (Stanford/Harvard) “[\(When\) Should You Adjust Inferences for Multiple Hypothesis Testing?](#)” (joint with Kaspar Wuthrich and Paul Niehaus)

14:15 – 15:00 **Liyang Sun** (CEMFI) “[Adapting to Misspecification](#)” (joint with Tim Armstrong and Pat Kline)

15:00 – 15:20 Coffee Break

**Session 8:** Chair, Davide Viviano

15:20 – 16:05 **Jiaying Gu** (Toronto) “A Dual Approach to Robust Counterfactuals”

16:05 – 16:50 **Guanyi Wang** (UCL) “[Individualized Treatment Allocation in Sequential Network Games](#)” (joint with Toru Kitagawa)

Closing and Adjourn

## List of participants:

Isaiah Andrews (MIT)  
Tim Armstrong (USC)  
Raquel Badillo (Brown)  
Maximilian Blesch (Humbolt U Berlin)  
Julia Chahine (Brown)  
Jiafeng Chen (Harvard)  
Max Cytrinbaum (Yale)  
Arhan Ertan (Bogazici / Harvard)  
Keisuke Hirano (Pennsylvania State)  
Daniele Goffi (Brown)  
Jiaying Gu (University of Toronto)  
Yiyan Huang (City U Hong Kong)  
Peter Hull (Brown)  
Kosuke Imai (Harvard)  
Bo-Yeon Jiang (Brown)  
Aarushi Karla (Brown)  
Daido Kido (Kyoto University)  
Toru Kitagawa (Brown)  
Soonwoo Kwon (Brown)  
Lihua Lei (Stanford)  
Lucy Li (Brown)  
Scott Lu (Brown)  
Charles Manski (Northwestern)  
Simone Martinalli (Brown)  
Adam McCloskey (U of Colorado - Boulder)  
Sean McCulloch (Brown)  
Andres Mena (Brown)  
Jose Montiel-Olea (Cornell)  
Andriy Norets (Brown)  
Chen Qiu (Cornell)  
Jonathan Roth (Brown)  
Kareen Rozen (Brown)  
Shosei Sakaguchi (University of Tokyo)  
Haoyu Sheng (Brown)  
Liyang Sun (CEMFI)  
Aleksey Tetenov (University of Geneva)  
Davide Viviano (Harvard / Stanford)  
Guanyi Wang (UCL)  
Juan Yamin (Brown)  
Kohei Yata (U of Wisconsin - Madison)  
Angela Zhou (USC)