SI 2024 Methods Lecture: New Developments in Experimental Design and Analysis

DATE July 25, 2024 (US Eastern Time)

LOCATION Ballroom B, Royal Sonesta Hotel, 40 Edwin H. Land Blvd., Cambridge, MA, Zoom   **ORGANIZER** James M. Poterba

🖶 **Print agenda**

Thursday, July 25

Analysis and Design of Multi-Armed Bandit Experiments and Policy Learning
Susan Athey, Stanford University and NBER
Slides
Video

Interference and Spillovers in Randomized Experiments
Guido Imbens, Stanford University and NBER
Slides
Video

Background materials for first part:

background

Athey, Susan, Undral Byambadalai, Vitor Hadad, Sanath Kumar Krishnamurthy, Weiwen Leung, and Joseph Jay Williams. "Contextual bandits in a survey experiment on charitable giving: Within-experiment outcomes versus policy learning." arXiv preprint arXiv:2211.12004 (2022).

background

Offer-Westort, Molly, Leah R. Rosenzweig, and Susan Athey. "Battling the coronavirus 'infodemic'among social media users in Kenya and Nigeria." Nature Human Behaviour 8, no. 5 (2024): 823-834.

background

Xiong, Ruoxuan, Susan Athey, Mohsen Bayati, and Guido Imbens. "Optimal experimental design for staggered rollouts." Management Science (2023).

Kasy, Maximilian, and Anja Sautmann. "Adaptive treatment assignment in experiments for policy choice." Econometrica 89, no. 1 (2021): 113-132

Background materials for second part:

Bajari, Patrick, Brian Burdick, Guido W. Imbens, Lorenzo Masoero, James McQueen, Thomas S. Richardson, and Ido M. Rosen. "Experimental Design in Marketplaces." Statistical Science 38, no. 3 (2023): 458-476.

background

Viviano, Davide, Lihua Lei, Guido Imbens, Brian Karrer, Okke Schrijvers, and Liang Shi. "Causal clustering: design of cluster experiments under network interference." arXiv preprint arXiv:2310.14983 (2023).

CONFERENCE SCHEDULE ↗

Participants

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Cecilia Rouse, president of the Brookings Institution and a professor at Princeton University, who chaired the Council...

[2024 Methods Lecture, Susan Athey, "Analysis and Design of Multi-Armed Bandit Experiments and Policy Learning"](#)

METHODS LECTURES

PRESENTER: [SUSAN ATHEY](#)

Background Materials:backgroundAthey, Susan, Undral Byambadalai, Vitor Hadad, Sanath Kumar Krishnamurthy, Weiwen Leung...

[2024, Economics of Social Security Panel, "Earnings Inequality and Payroll Tax Revenues"](#)

PANEL DISCUSSION

PRESENTERS: [KAREN DYNAN](#), KAREN GLENN, STEPHEN GOSS, [FATIH GUVENEN](#) & [JAMES PEARCE](#)

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