
Event Agenda

American Causal Inference Conference organized by the Society for Causal Inference

Tue, May 14, 2024

- 8:30 AM - 12:30 PM** **Unlocking the Mysteries of Mixed Exposures: Targeted Learning for Robust Discovery and Causal Inference in Epidemiology**
Location: Municipal
Speaker: David McCoy
- 8:30 AM - 12:30 PM** **A Hands-on Introduction to BART, BCF, and Other Bayesian Tree Ensembles for Applied Causal Inference**
Location: Superior
Speaker: Jared Murray
- 1:00 PM - 5:00 PM** **Statistical methods for electronic health record data**
Location: Municipal
Speakers: Yates Coley, Jennifer Bobb, Susan Shortreed
- 1:00 PM - 5:00 PM** **Introduction to data-driven selection of causal graphical models ("causal discovery")**
Location: Superior
Speaker: Dan Malinsky
- 1:00 PM - 5:00 PM** **Highly Adaptive Lasso and Adaptive TMLE in Causal Inference**
Location: Federal
Speakers: Mark van der Laan, Rachael Phillips, Lars Van Der Laan
- 3:00 PM - 5:30 PM** **Registration**
Location: Courtyard Foyer

Wed, May 15, 2024

- 8:00 AM - 9:00 AM** **Breakfast**
Location: Madison Ballroom
- 8:30 AM - 10:30 AM** **Plenary Session - Causal Inference in the Trenches: Challenges and Opportunities**
Location: Courtyard Ballroom
Speakers: Dylan Small, Xinran Miao, Karla Diazordaz, Luke Miratrix, Youmi Suk, Andrew Spieker, Jane Zhao, Ronghui Xu, Sjoerd Beentjes, Sharon-Lise Normand, Hyunseung Kang, Luke Keele
- 10:30 AM - 11:00 AM** **Break**
Location: Madison Ballroom
- 11:00 AM - 12:15 PM** **Machine Learning and Causal Inference**
Location: Municipal
Speakers: Jared Murray, Jann Spiess, Asher Spector, Ying Zhou, Jikai Jin, Caleb Miles
- 11:00 AM - 12:15 PM** **Causal Inference in Network**
Location: Superior
Speakers: Dean Knox, Yilin Li, Fabrizia Mealli, Steven Wilkins-Reeves, Yufeng Wu, Panogiotis Toulis, Fei Fang
- 11:00 AM - 12:15 PM** **Weighting and covariate balancing methods in causal inference**
Location: Federal
Speakers: Andrea Rotnitzky, Yige Li, Leonard Wainstein, Yihan Bao, Oscar Clivio, David Arbour
- 12:00 PM - 12:00 PM** **Poster Set Up**
Location: Madison Ballroom

12:30 PM - 1:15 PM	Challenges and careers in causal inference outside of academia Location: Municipal Speakers: Ryan Shyu, Jiwei He, Irina Degtiar, Ayal Chen-Zion, Joel Persson, Carrie Cihak
1:30 PM - 2:45 PM	Long-Term Causal Inference Location: Municipal Speakers: Aurélien Bibaut, Guido Imbens, Amiremad Ghassami, Allen Tran, Xiaojie Mao
1:30 PM - 2:45 PM	Challenges in nonparametric causal inference with rigorous theoretical guarantees Location: Superior Speakers: James Robins, Bikram Karmakar, Nilanjana Laha, Mila Sun, Rajarshi Mukherjee
1:30 PM - 2:45 PM	Data Fusion: Recent advancements and applications in transporting effect estimates and improving efficiency in estimation Location: Federal Speakers: Kara Rudolph, Sijia Li, Rachael Ross, Audrey Renson, Caleb Miles, Harsh Parikh
2:45 PM - 3:15 PM	Break Location: Madison Ballroom
3:15 PM - 4:30 PM	Machine Learning and Causal Inference Location: Municipal Speakers: Edward Kennedy, Anna Guo, Matteo Bonvini, Vasilis Syrgkanis
3:15 PM - 4:30 PM	Instrumental Variables Location: Federal Speakers: Hyunseung Kang, Zhaonan Qu, Rui Wang, Yinxiang Wu
3:15 PM - 4:30 PM	Randomized Studies Location: Superior Speakers: Siyu Heng, Aurélien Bibaut, Michele Santacatterina, Yuhao Wang, Jinglong Zhao, David Bui
5:00 PM - 6:30 PM	Poster Session 1 Location: Madison Ballroom

Thu, May 16, 2024

8:00 AM - 9:00 AM	Breakfast Location: Madison Ballroom
9:00 AM - 10:15 AM	Recent Advancements in Causal Inference with Continuous Treatments Location: Municipal Speakers: Guanhua Chen, Edward Kennedy, Dehan Kong, Chan Park
9:00 AM - 10:15 AM	Statistical innovations in causal inference with text as data: emerging trends and future directions Location: Superior Speakers: Reagan Mozer, Alexander Volfovsky, Katherine Keith, Brandon Stewart
9:00 AM - 10:15 AM	Towards Causal Machine Learning Location: Federal Speakers: Linbo Wang, Hui Lan, Jason Hartford, Rahul Krishnan, Mats Stensrud
10:30 AM - 11:00 AM	Break Location: Madison Ballroom
11:00 AM - 12:15 PM	External Validity, Generalization, and Distributional Shifts Location: Municipal Speakers: Naoki Egami, Dominik Rothenhäusler, Ari Boyarsky, Melody Huang, Hoifung Poon, Hongseok Namkoong
11:00 AM - 12:15 PM	Temporal Experimentation: From Static Designs to Full Adaptivity Location: Superior Speakers: Yuchen Hu, Ivana Malenica, Wang Chonghuan, Jinglong Zhao, Shuangning Li

11:00 AM - 12:15 PM	Optimization Methods for Causal Discovery Location: Federal Speakers: Armeen Taeb, Jean Honorio, Tian Gao, Ignavier Ng
12:00 PM - 12:00 PM	Poster Set Up Location: Madison Ballroom
1:30 PM - 2:45 PM	Data fusion for enhanced generalizability/transportability, efficiency, and heterogeneous treatment effect estimation Location: Municipal Speakers: Xi Lin, Larry Han, Ellen Graham, Yuhang Zhang, Iлина Yozova
1:30 PM - 2:45 PM	Differences-in-Differences and Panel Data Location: Superior Speakers: Anton Strezhnev, Beth Ann Griffin, Ye Wang, Zhu Shen, Zach Shahn, Apoorva Lal
1:30 PM - 2:45 PM	Machine Learning and Causal Inference Location: Federal Speakers: Alex Luedtke, Axel Martin, Kaiwen Hou, Srikar Katta, Georgi Baklcharov, Chao Cheng
2:45 PM - 3:15 PM	Break Location: Madison Ballroom
3:15 PM - 4:30 PM	Tackling the thorny problems of difference-in-differences Location: Municipal Speakers: Laura Hatfield, Nicholas Seewald, Gary Hettinger, Michael Jetsupphasuk, Brad Ross
3:15 PM - 4:30 PM	How certain should we be? Modern methods for sensitivity analysis Location: Superior Speakers: Paul Zivich, Andy Shen, Chad Hazlett, Alec Mcclean, Jay Xu, Rui Hu
3:15 PM - 4:30 PM	Heterogeneous Treatment Effects Location: Federal Speakers: Marco Carone, Abhineet Agarwal, Alexander Levis, Anna Guo, Jiaxin Yu
4:30 PM - 5:00 PM	Business Meeting and Tom Ten Have Poster Announcement Location: Courtyard Ballroom
5:00 PM - 6:30 PM	Poster Session 2 Location: Madison Ballroom

Fri, May 17, 2024

8:00 AM - 9:00 AM	Breakfast Location: Madison Ballroom
9:00 AM - 10:15 AM	Bayesian Analysis of Experiments Location: Municipal Speakers: Carlos Cinelli, Evangelos Dimitriou, Nicholas Irons, Rob Trangucci, Simon Ejdemyr
9:00 AM - 10:15 AM	Addressing fundamental challenges in the identification and estimation of mediation effects Location: Superior Speakers: Ivan Diaz, Ang Yu, Xiao Liu, Brian Gilbert
9:00 AM - 10:15 PM	Innovative Approaches to Randomized Trials Location: Federal Speakers: Ting Ye, Jennifer Bobb, Harsh Parikh, Tobias Freidling, Lihua Lei
10:30 AM - 11:00 AM	Break Location: Madison Ballroom
11:00 AM - 12:15 PM	Measuring and Leveraging Heterogeneous Interference Location: Municipal Speakers: Samantha Dean, Yi Zhang, Abhishek Ananth, Shishir Adhikari

11:00 AM - 12:15 PM

Recent advances in causal representation learning

Location: Superior

Speakers: Biwei Huang, Bryon Aragam, Yixin Wang, Jiaqi Zhang, Ting Ye

11:00 AM - 12:15 PM

Design and Analysis of Complex Experiments

Location: Federal

Speakers: Ruohan Zhan, Hannah Li, Tu Ni, Biyonka Liang, Jinglong Zhao