

Who Counts? Sex and Gender Bias in Data

Monday July 18, 2022

- 8:00–9:00 *Check-In/Light Breakfast (Hosted by IPAM)*
- 9:00–9:05 *Welcome*
- 9:05 *Session 1: Sex as biological variable?*
- 9:05–9:45 **Sarah Richardson** (Harvard University)
Individual Probabilities, The Reference Class Problem, Model Multiplicity, and Reconciling Beliefs
- 9:45–10:25 **Evelynn Hammonds** (Harvard University)
Low-rank tensor recovery from memory-efficient measurements
- 10:25–11:00 *Discussion*
- 11:00–11:25 *Break*
- 11:25 *Session 2*
- 11:25–12:15 *Detailed self-introductions*
- 12:15–2:00 *Lunch (on your own)*
- 2:00 *Session 3 Data: Excavating the “Givens”*
- 2:00–2:20 **Meredith Broussard** (New York University)
TBA
- 2:20–2:40 **Catherine D’ignazio** (Massachusetts Institute of Technology)
Virtual Talk:
- 2:40–3:00 **Seeta Peña-Gangadharan** (London School of Economics and Political Science)
TBA
- 3:00–3:40 **Timnit Gebru** (Stanford University)
Virtual Talk:
- 3:40–4:15 *Discussion*
- 4:30–5:30 **Cynthia Dwork** (Harvard University)
Green Family Lecture Series: “Differential Privacy and the US Census” by Cynthia Dwork
- 5:30–6:30 *Reception (Location: IPAM Lobby)*



Tuesday July 19, 2022

- 8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*
- 9:00 *Session 4: Intersectionality in Algorithmic Fairness*
- 9:00–9:40 **Guy Rothblum** (Apple MLR)
Resonant ptychography, applications to 3D magnetization and chemical characterization
- 9:00–9:40 **Omer Reingold** (Stanford University)
Precise Quantum Mechanical Calculations of Electron Interactions and Dynamics in Condensed Matter
- 9:40–10:00 **Frauke Kreuter** (University of Maryland)
Learning to Explore with Scalable Supervision
- 10:00–10:20 **Aleksandra Korolova** (Princeton University)
Interpreting intersectionality very broadly
- 10:20–10:50 **Noa Dagan** (Harvard Medical School)
Virtual Talk: Are these clinical trial results relevant for me?
- 10:50–11:20 *Break*
- 11:20–11:50 *Discussion*
- 11:50–2:00 *Lunch (on your own)*
- 2:00 *Session 5: Fairness in Medicine*
- 2:00–3:30 **Emma Pierson** (Cornell University)
Virtual Talk: Using data science to shed light on understudied problems in women's health
- 2:00–3:30 **Noémie Elhadad** (Columbia University)
Gender differences in disease prevalence and time to diagnosis
- 2:00–3:30 **Marzyeh Ghassemi** (Massachusetts Institute of Technology)
Designing Machine Learning Processes For Equitable Health Systems
- 2:00–3:30 *Virtual: Discussion (with Nancy Krieger)*
- 3:30–4:00 *Break*
- 3:50 *Session 6: Designing Women, Designing Inclusivity*
- 4:00–4:20 **Moya Bailey** (Northwestern University)
What the Data Doesn't Say: Reflections on the Limits of Data Analysis in #HashtagActivism and Misogynoir Transformed
- 4:20–5:00 *Discussion*

Wednesday July 20, 2022

- 8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*
- 9:00–9:40 **Cynthia Dwork** (Harvard University)
Green Family Lecture: The Calculus of Inclusion
- 9:40–9:55 *Break*
- 10:00 *Session 8: Inequality and Over-Reliance on Predictive Imaginaries*
- 10:00–11:30 **Lily Hu** (Yale University)
What is Race in Algorithmic Discrimination on the Basis of Race?
- 10:00–11:30 **Aaron Roth** (University of Pennsylvania)
Virtual Talk: Individual Probabilities, The Reference Class Problem, Model Multiplicity, and Reconciling Beliefs
- 10:00–11:30 **Rediet Abebe** (University of California, Berkeley (UC Berkeley))
TBA
- 11:30–1:30 *Lunch (on your own)*
- 1:30 *Session 9: The Datified Self: Privacy, Autonomy and the Dismemberment of the Legal Subject*
- 1:30–1:50 **Ari Waldman** (Northeastern University)
TBA
- 1:50–2:10 **Salome Viljoen** (University of Michigan)
What makes datafication (legally) wrongful?
- 2:10–2:30 **Patricia Williams** (Northeastern University)
TBA
- 2:30–3:00 *Discussion (with Marth Minow)*
- 3:15–4:15 **Cynthia Dwork** (Harvard University)
Tentative: Responsible Algorithms in the Aftermath of Roe.

