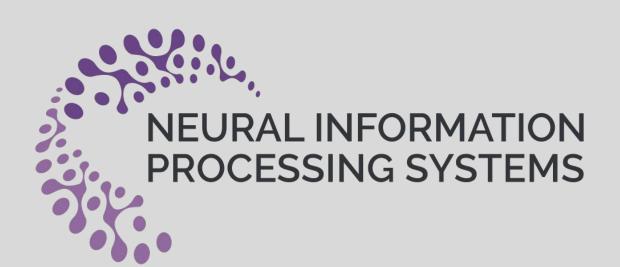
Fairness in Machine Learning for Health



NeurIPS 2019 Saturday, December 14, 2019

www.fairmlforhealth.com



9:00 - 9:15	Check-in and Poster setup
9:15 - 9:30	Opening Remarks by Irene Chen
9:30 - 10:00	Keynote - Milind Tambe Applying AI in preventative health interventions: algorithms, deployment and fairness
10:00 - 10:30	Invited Talk - Ziad Obermeyer Bad Proxies
10:30 - 11:00	Coffee Break and Poster Session
11:00 - 11:15	Organizers' primer on unconference style breakout sessions
11:15 - 12:30	Unconference style breakout sessions - 2 rounds
12:30 - 12:45	Breakout session leaders discuss the conclusions with all attendees
12:45 - 14:00	Lunch Break
14:00 - 14:30	Invited Talk - Sharad Goel The Measure and Mismeasure of Fairness: A Critical Review of Fair Machine Learning
14:30 - 15:00	Invited Talk - Noa Dagan, Noam Barda Addressing Fairness in Prediction Models by Improving Subpopulation Calibration
15:00 - 15:30	Invited Talk - Chelsea Barabas Beyond Bias: Contextualizing "Ethical AI" Within the History of Race, Exploitation and Innovation in Medical Research
15:30 - 16:00	Coffee Break and Poster Session
16:00 - 17:00	Panel Discussion Milind Tambe, Ziad Obermeyer, Sharad Goel, Noa Dagan, Noam Barda, Chelsea Barabas
17:00 - 17:30	 Spotlight Presentations Estimating Skin Tone and Effects on Classification Performance in Dermatology Datasets
	 Understanding racial bias in health using the Medical Expenditure Panel Survey Data Fair Prodictors under Distribution Shift
17:30 - 18:00	 Fair Predictors under Distribution Shift Closing Remarks by Shalmali Joshi and Poster Session

Accepted Papers

- Fair and Robust Treatment Effect Estimates: Estimation Under Treatment and Outcome Disparity with Deep Neural Models by (Author list retracted by request)
- Hurtful Words: Quantifying Biases in Clinical Contextual Word Embeddings (Author list retracted by request)
- Are Deep Learning Chest X-ray Classifiers Fair? by Laleh Seyyed-Kalantari (University of Toronto, Vector Institute)*; Guanxiong Liu (University of Toronto); Matthew BA McDermott (MIT); Marzyeh Ghassemi (University of Toronto, Vector Institute)
- Quantification of Bias in Machine Learning for Healthcare: A Case Study of Renal Failure Prediction by Josie V Williams (NYU); Narges Razavian (NYU Langone Medical Center)
- Assessing Algorithmic Fairness with Unobserved Protected Class Using Data Combination by Xiaojie Mao (Cornell University); Angela Zhou (Cornell University); Nathan Kallus (Cornell University)
- Understanding racial bias in health using the Medical Expenditure Panel Survey data by Moninder Singh (IBM Research); KarthikeyanNatesan Ramamurthy (IBM Research)
- Improving Subpopulation Miscalibration in Medical Risk Prediction by Gal O Yona (Weizmann Institute of Science); Noam Barda (Clalit Research); Noa Dagan (Clalit Research)

- Estimating Skin Tone and Effects on Classification Performance in Dermatology Datasets by Newton Kinyanjui (CMU - Africa); Timothy Odonga (CMU - Africa); Celia Cintas (IBM Research); Noel C Codella (IBM Research); Rameswar Panda (IBM Research); Prasanna Sattigeri (IBM Research); Kush R Varshney (IBM Research)
- Fair treatment allocations in social networks by James Atwood (Google Brain); Hansa Srinivasan (Google); Yoni Halpern (Google); D Sculley (Google)
- When your only tool is a hammer: The limits of computational solutions to bias in healthcare ML by (Author list retracted by request)
- Validation of a deep learning mammography model in a population with low screening rates by Kevin Wu (Harvard University); Eric Wu (DeepHealth); Bill Lotter (Harvard University)
- Enhancing Fairness in Kidney Exchange Program by Ranking Solutions by Golnoosh Farnadi (Polytechnique Montreal); Behrouz Babaki (Polytechnique Montreal); Margarida Carvalho (Université de Montréal)
- Quantifying Fairness in a Multi-Group Setting and its Impact in the Clinical Setting by (Author list retracted by request)
- Fair Predictors under Distribution Shift by Harvineet Singh (NYU); Rina Singh (NYU); Vishwali Mhasawade (NYU); Rumi Chunara (NYU)

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