

Vishwali Mhasawade

+13474811767 • vishwalim@nyu.edu • <https://www.vishwali.github.io>

RESEARCH INTERESTS

Causal Inference, Algorithmic Fairness, Multi-Environment Learning, Distribution Shift

EDUCATION

New York University, New York, USA <i>Ph.D. in Computer Science. Advisor: Rumi Chunara</i>	09/2019 - Present
New York University, New York, USA <i>Master of Science in Computer Science. Advisor: Rumi Chunara</i>	09/2017 - 05/2019 CGPA : 3.785/4
Pune University, Pune, India <i>Bachelor of Engineering in Computer Engineering</i>	06/2013 - 06/2017 CGPA : 3.695/4

PUBLICATIONS

- Vishwali Mhasawade, Praveen Chandar, Ghazal Fazelnia, Benjamin Carterette.
Understanding User Podcast Consumption Using Sequential Treatment Effect Estimation
Workshop on Causal Inference Challenges in Sequential Decision Making: Bridging Theory and Practice at NeurIPS, 2021.
- Harvineet Singh, Vishwali Mhasawade, Rumi Chunara.
Generalizability challenges of mortality risk prediction models: A retrospective analysis on a multi-center database.
PLOS Digital Health, 2022. [Link]
- Vishwali Mhasawade, Yuan Zhao, Rumi Chunara
Machine learning and algorithmic fairness in public and population health
Nature Machine Intelligence, 2021 [Link]
- Vishwali Mhasawade, Rumi Chunara.
Causal Multi-level Fairness.
AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society (AIES), 2021. [Link]
- Harvineet Singh, Rina Singh, Vishwali Mhasawade, Rumi Chunara.
Fairness Violations and Mitigation under Distribution Shift.
ACM FAccT conference, 2021.
Fair ML for Health workshop at NeurIPS, 2019. Spotlight presentation. [Link]
- Vishwali Mhasawade, Rumi Chunara.
Multi-Environment Functional Causal Models using Gaussian Processes.
Workshop on Causal Inference for Decision Making, ICLR, 2020.
- Vishwali Mhasawade, Nabeel Abdur Rehman, Rumi Chunara.
Population-aware Hierarchical Bayesian Domain Adaptation via Multi-component Invariant Learning.
ACM Conference on Health, Inference and Learning, 2020.
Machine Learning for Health (ML4H) Workshop at NeurIPS, 2018. [Link]

8. Vishwali Mhasawade, Anas Elghafari, Dustin Duncan, Rumi Chunara.
Role of the Online and Built Social Environments in the expression of dining on Instagram.
International Journal of Environmental Research and Public Health, 2020. [Link]
9. Gregory W. Johnsen, Ling Lin, Lucia Yu, Andrew Dempsey, Vishwali Mhasawade, Daniel Jaroslawicz, Iddo Drori.
Explainable Musical Phrase Completion.
Joint Workshop on Machine Learning for Music at ICML, 2018. [Link]
10. Vishwali Mhasawade, Ildikó Emese Szabó, Melanie Tosik, Sheng-Fu Wang.
Neural Networks and Quantifier Conservativity : Does Data Distribution affect learnability?
arXiv preprint arXiv:1809.05733, 2018. [Link]

AWARDS

Google PhD Fellowship	2021
AIES funding	2021
Grad Cohort for Women workshop organized by Computing Research Association, funded by NSF	2021
WiML funding, NeurIPS 2020, 2021	
School of Engineering Fellowship	New York University, 2019-2020
Graduate Scholarship	New York University, 2017-2019

WORK EXPERIENCE

Spotify Research Scientist Intern, (PI: Dr. Praveen Chandar and Dr. Ghazal Fazelnia)	New York, USA 06/2021 - 09/2021
FairFrame Inc. Co-Founder and Machine Learning Head Winner of NYU \$300K Entrepreneurs Challenge, 2018.	New York, USA 02/2018 - 11/2018
In2things Automation Pvt. Ltd. Software Development Intern	Pune, India 12/2016 - 02/2017

POSITIONS OF RESPONSIBILITY

Internship Mentor: ARISE Program , New York University Mentored high school students in a STEM research exposure program.	Summer 2019, 2020
Teaching Assistant: Deep Learning (CS-GY 9223) , New York University Instructor: Iddo Drori	Fall 2018
Lab instructor: Pre-capstone Innovation Experience Course (EG-UY 1001) New York University	Fall 2021

TALKS

Panelist: Data Science Interdisciplinary Research Cluster, University of Toronto Prediction, Machine Learning and Causal Inference: What does it mean for Population Health and Data Science?, 2021	
Tutorial at ACM Conference on Health Inference and Learning. Machine Learning in Population and Public Health. arXiv preprint arXiv:2008.07278 (2020). [Link]	

SERVICE

Organizing Committee

Association for Women in Mathematics, 2021.

Reviewer

ICLR, 2022

NeurIPS 2020,2021

ICML, 2021

ACM Conference on Health, Inference and Learning, 2020, 2021.

Machine Learning for Healthcare, 2021.

Machine Learning in Real Life (ML-IRL) Workshop at ICLR, 2020.

Machine Learning for Health (ML4H) workshop at NeurIPS, 2019, 2020, 2021.

Machine Learning in Public Health (MLPH) workshop at NeurIPS, 2020,2021.

AI for Public Health workshop at ICLR, 2021.

Facilitator

Women in Machine Learning, ICML, 2021.

Student Volunteer

AIES, 2021.

WiML, NeurIPS, 2021.

Mentoring

Career Mentor, Machine Learning for Health, 2021.

TECHNICAL SKILLS

Programming Languages: (Proficient) Python; (Familiar) R, C++, Matlab, Javascript.

Applications and Tools: LaTeX, git, MS Office, Bash Scripting.