Vishwali Mhasawade

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RESEARCH INTERESTS

Multi-Environment Causal Discovery, Fair Domain Adaptation, Causal Inference

EDUCATION

New York University, New York, USA   **09/2019 - Present**
Ph.D. in Computer Science. **Advisor: Rumi Chunara**

New York University, New York, USA   **09/2017 - 05/2019**
Master of Science in Computer Science. **Advisor: Rumi Chunara**   *CGPA : 3.785/4*

Pune University, Pune, India   **06/2013 - 06/2017**
Bachelor of Engineering in Computer Engineeing   *CGPA : 3.695/4*

PUBLICATIONS

1. Harvineet Singh*, Vishwali Mhasawade*, Rumi Chunara.
   Assessing Threats to Generalizability of Mortality Predction Models across Hospitals.
   Under Review

2. Vishwali Mhasawade, Rumi Chunara.
   Multi-Environment Functional Causal Models using Gaussian Processes.
   Workshop on Causal Inference for Decision Making, ICLR, 2020.

3. Harvineet Singh, Rina Singh, Vishwali Mhasawade, Rumi Chunara.
   Fair Predictors under Distribution Shift.
   Fair ML for Health workshop at NeurIPS, 2019. **Spotlight presentation**. [Link]

4. 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]

5. 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]

6. 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]

7. 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]

8. Vishwali Mhasawade, Akanksha Joshi.
   Bharatnatyam Hand-Gesture Recognition using Contour Detection.
   International Journal of Computer Applications, 2016. [Link]

WORK EXPERIENCE

FairFrame Inc.   **New York, USA**
Co-Founder and Machine Learning Head   *02/2018 - 11/2018*
Winner of NYU $300K Entrepreneurs Challenge, 2018.

In2things Automation Pvt. Ltd.   **Pune, India**
Software Development Intern   *12/2016 - 02/2017*

POSITIONS OF RESPONSIBILITY

Internship Mentor: ARISE Program, New York University   *Summer 2019*
Mentored two high school students in a STEM research exposure program.
Teaching Assistant: Deep Learning (CS-GY 9223), New York University   *Fall 2018*
Instructor: Iddo Drori

AWARDS

School of Engineering Fellowship   *New York University, 2019-2020*

SERVICE

Reviewer
NeurIPS, 2020
ACM Conference on Health, Inference and Learning, 2020.
ML-IRL workshop at ICLR, 2020.
ML4H workshop at NeurIPS, 2019.

TECHNICAL SKILLS

Programming Languages: (Proficient) Python; (Familiar) R, C++, Matlab, Javascript.
ML Frameworks: Tensorflow, PyTorch, Keras, Pyro, GPyTorch.
Applications and Tools: LaTex, git, MS Office, Bash Scripting.