

Biographical Sketch  
**Dr. Sabina Tomkins**

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School of Information, University of Michigan, e-mail: stomkins@umich.edu,

**(a) Professional Preparation**

North Seattle College, WA; AS; 2012

New York University, NY; Computer Science; B.A., 2014

University of California Santa Cruz, CA; Technology & Information Management; Ph.D., 2018

Harvard University, MA; Statistics; Postdoctoral Researcher, 2018–2019

Stanford University, CA; Management Science & Engineering; Postdoctoral Researcher, 2019–2021

**(b) Appointments**

2019-2021: Assistant Professor, University of Michigan, *School of Information*

2019-2021: Postdoctoral Researcher, Stanford University, *Stanford Computational Policy Lab*

2018-2019: Postdoctoral Researcher, Harvard University, *Statistical Reinforcement Learning Lab*

2018-2019: Teaching Assistant, Harvard University, *Sequential Decision Making in Mobile Health*

2017-2018: Research Scientist Intern, Amazon, *Machine Learning*

2016-2016: Research Intern, IBM, *Watson*

**(c) Products**

1. **Tomkins, S.**, K. Yao, J. Gaebler, T. Konitzer, D. Rothschild, M. Meredith, S. Goel Exploiting Voting Block Boundaries: Estimating the Effects of Polling Place Assignment on Voting Behavior. *Political Analysis*, 2022.
2. **Tomkins, S.**, P. Liao, P. Klasnja, S. Murphy . Intelligent Pooling in Thompson Sampling for Rapid Personalization in Mobile Health *Machine Learning*. 2021.
3. **Tomkins, S.**, and L. Getoor. Understanding Hybrid-MOOC Effectiveness with a Collective Socio-Behavioral Model. *Journal of Educational Data Mining*. 2019.
4. **Tomkins, S.**, G. Farnadi, B. Amanatullah, L. Getoor, S. Minton. The Impact of Environmental Stressors on Human Trafficking. In: *Proceedings of the International Conference on Data Mining*, 2018.
5. **Tomkins, S.**, S. Isley, B. London, L. Getoor Sustainability at Scale: Towards Bridging the Intention-Behavior Gap with Sustainable Recommendations. In: *Proceedings of Recommender Systems*, 2018.
6. **Tomkins, S.**, L. Getoor, Y. Chen, Y. Zhang. A Socio-Linguistic Approach for Cyberbullying Detection. In: *Proceedings of Advances in Social Networks Analysis and Mining*, 2018.

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7. **Tomkins, S., J. Pujara, L. Getoor .** Disambiguating Energy Disaggregation: A Collective Probabilistic Approach In: *Proceedings of the International Joint Conference on Artificial Intelligence*, 2017.

**(d) Synergistic Activities**

1. **Conference service:** (i) Reviewer for: Neural Information Processing Systems (NeurIPS); Association for the Advancement of Artificial Intelligence; Conference on Fairness, Accountability, and Transparency; BuildSys. (ii) Volunteer for the Women in Machine Learning workshop.
2. **Open-source software:** Contributed to open-source software for energy disaggregation, mobile health interventions and statistical analysis for large-scale elections data.

**(e) Collaborators & Other Affiliations**

**Collaborators and Co-Editors:** *Stanford University:* Sharad Goel; Keniel Yao; Johann Gaebler; Joshua Grossman; Serena Yeung; *Harvard University:* Susan Murphy; Peng Liao; Marianne Menictas; *UC Santa Cruz:* Lise Getoor; Golnoosh Farnadi; Jay Pujara; Yi Zhang; *other:* Marc Meredith; David Rosthchild; Tobias Konitzer; Predrag Klasnja; Ben London;

**Graduate Advisers and Postdoctoral Sponsors:** *UC Santa Cruz:* Lise Getoor; *Harvard University:* Susan Murphy; *Stanford University:* Sharad Goel;