Dhanya Sridhar

| Contact Information | Mudd Building Data Science Institute Columbia University New York, NY 10025 | dhanya.sridhar@colur https://dsridhar91.g | | | |
|-------------------------|--|--|-------------------|--|--|
| Education | Ph.D. Computer Science | | | | |
| | University of California Santa Cruz (September 2013 – August 31, 2018) Thesis topic: Learning Structured and Causal Probabilistic Models for Computational Science Thesis Advisor: Prof. Lise Getoor | | | | |
| | B.S. Computer Science, B.A. Mathematics | | | | |
| | Binghamton University (August 2009 – May 2013) <i>Distinction</i>: Graduated with High University Honors and Department Honors | | | | |
| Employment | Postdoctoral Researcher, Data Science Institute, Columbia University.Oct. 2018 –Working with David Blei on causal inference methods for text and social networks. | | | | |
| | Data Scientist Intern , <i>Microsoft</i> Worked with Bing Ads group on in | - | June – Sept. 2016 | | |
| | Data Scientist Intern , <i>Microsoft</i> Worked with Bing Ads group on na | | June – Sept. 2015 | | |
| | Graduate Student Researcher, Computer Science Dept., UC Santa Cruz.2013–2018Worked with Lise Getoor on applying relational learning methods to text and biological data. | | | | |
| Journal Articles | Dhanya Sridhar , Shobeir Fakhraei, Lise Getoor. "A Probabilistic Approach for Collective Similarity- based Drug-Drug Interaction Prediction." <i>Bioinformatics</i> . doi:10.1093/bioinformatics/btw342. 2016. | | | | |
| Refereed Conferences | Jason Hartford, Victor Veitch, Dhanya Sridhar , Kevin Leyton-Brown. "Valid Causal Inference with (Some) Invalid Instruments." In International Conference on Machine Learning (ICML). 2021. | | | | |
| | Reid Pryzant, Dallas Card, Dan Jurafsky, Victor Veitch, Dhanya Sridhar . "Causal Effects of Linguistic Properties." In North American Chapter of the Association for Computational Linguistics (NAACL-HLT). 2021. | | | | |
| | Aaron Schein, Keyon Vafa, Dhanya Sridhar , Victor Veitch, James Moffet, Jeffrey Quinn, Naseem Makiya, David Blei, Donald Green. "A Digital Field Experiment Reveals Large Effects of Friend-to-Friend Texting on Voter Turnout." In The Web Conference (WWW). 2021. | | | | |
| | Victor Veitch [*] , Dhanya Sridhar ^{*1} , David Blei. "Adapting Text Embeddings for Causal Inference." In Uncertainty in Artificial Intelligence (UAI). 2020. | | | | |
| | Dhanya Sridhar, Lise Getoor. "Estimating Causal Effects of Tone in Online Debates." In Inter- national Joint Conference of Artificial Intelligence (IJCAI). 2019. | | | | |

 $^{^1{\}rm Equal}$ contribution

| | Dhanya Sridhar , Jay Pujara, Lise Getoor. "Scalable Probabilistic Causal Structure Dis In International Joint Conference of Artificial Intelligence (IJCAI). 2018. | | |
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| | Yue Zhang, Arti Ramesh, Jennifer Golbeck, Dhanya Sridhar , Lise Getoor. "A Structured Approach to Understanding Recovery and Relapse in AA." In The Web Conference (WWW). 2018. | | |
| | Dhanya Sridhar , James Foulds, Bert Huang, Lise Getoor, Marilyn Walker. "Join Disagreement and Stance." In Association for Computational Linguistics (ACL). 2015. | t Models of | |
| In Progress | Dhanya Sridhar, Hal Daume III, David Blei. "Heterogeneous Supervised Topic Mod Prediction." Under review at TACL. | lels for Text | |
| | Dhanya Sridhar , Caterina De Bacco, David Blei. "Estimating Social Influence from Observational Data." Under review at KDD. | | |
| | Yixin Wang, Dhanya Sridhar , David Blei. "Adjusting ML Decisions for Equal Opport Counterfactual Fairness." arXiv preprint arXiv:1905.10870. | ortunity and | |
| Refereed Workshops and Symposia | Aaron Schein, Keyon Vafa, Dhanya Sridhar , Victor Veitch, James Moffet, Jeffrey Quinn, Naseen Makiya, David Blei, Donald Green. "An Experimental Study of Friend-to-Friend GOTV Text Messages in the 2018 US Midterm Elections." International Conference on Computational Socia Science (IC2S2). 2020. [Award for Best Oral Presentation.] | | |
| | Dhanya Sridhar [*] , Victor Veitch [*] , David Blei. "Using Text Embeddings for Causal New Directions in Analyzing Text as Data (TADA). 2019. [Selected for oral presentation of the second | A Sridhar [*] , Victor Veitch [*] , David Blei. "Using Text Embeddings for Causal Inference." rections in Analyzing Text as Data (TADA). 2019. [Selected for oral presentation.] | |
| | Yixin Wang, Dhanya Sridhar, David Blei. "Equal Opportunity and Affirmative Action with C terfactual Predictions." NeurIPS Workshop on Causal ML. 2019. [Selected for oral presentation Dhanya Sridhar, Varun Embar, Golnoosh Farnadi and Lise Getoor. "Scalable Structure Lear for Probabilistic Soft Logic." In ICML Workshop on Statistical Relational AI. 2018. Dhanya Sridhar, Aaron Springer, Victoria Hollis, Steve Whittaker, Lise Getoor. "Estima Causal Effects of Exercise from Mood Logging Data." In ICML Workshop on CausalML. 2018 Dhanya Sridhar, Jay Pujara, Lise Getoor. "Using Noisy Extractions to Discover Causal Kn edge." NIPS Workshop on Automated Knowledge Base Construction. 2017. | | |
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| | Dhanya Sridhar , Lise Getoor. "Joint Probabilistic Inference of Causal Structure." AC Workshop on Causal Discovery. 2016. [Selected for oral presentation.] | | |
| | Dhanya Sridhar , James Foulds, Bert Huang, Lise Getoor, Marilyn Walker. "Collective Stance and Disagreement Classification in Online Debate Forums." <i>Baylearn Machine Learning Symposium</i> . 2014. [Selected for oral presentation.] | | |
| | Dhanya Sridhar , Lise Getoor, Marilyn Walker. "Collective Stance Classification of Posts in Online Debate Forums." <i>ACL Workshop on Latent Attributes in Social Media</i> . 2014. | | |
| INVITED TALKS | Beyond Prediction: NLP for Causal Inference ETH Zurich NLP Seminar ETH Workshop and Lecture Series in Law and Economics Simon Fraser University Google Research – Seattle | April, 2020 April, 2020 April, 2020 March, 2020 | |

| | Purdue University University of Montreal University of Southern California Northeastern University University of British Columbia University of Michigan, Johns Hopkins University, Microsoft Research – New England Microsoft Research – Cambridge Google Research – Cambridge Causal Effects in Social Networks and Text | March, 2020 March, 2020 March, 2020 March, 2020 March, 2020 February, 2020 February, 2020 February, 2020 January, 2020 December, 2020 | |
|----------------------------|--|--|--|
| | Yahoo Research – NYC | October, 2019 | |
| | Structured and Causal Probabilistic Models Stanford University | March, 2018 | |
| | Columbia University Microsoft Research – NYC | February, 2018 February, 2018 | |
| | Probabilistic Soft Logic | | |
| | Santa Cruz Machine Learning Cooperative | May, 2017 | |
| | UC Santa Cruz Games and Playable Media Group | October, 2016 | |
| | Collective Models of Stance and Disagreement in Online Deb Classification Society Conference | ates June, 2017 | |
| Honors | EECS Rising Star, UC Berkeley, 2020. President's Dissertation-Year Fellowship, UC Santa Cruz, 2017. Outstanding Teaching Assistant Award, UC Santa Cruz, 2016. Advancement to Candidacy with Honors, UC Santa Cruz, 2016. Graduate Student Fellowship Honorable Mention, NSF, 2015. Regents' Fellowship, UC Santa Cruz, 2013. Academic Achievement Honor for Computer Science, Binghamton University, 2013. Research in Science and Engineering Scholarship, German Academic Exchange Service, 2012. Thomas J. Watson Memorial Scholarship, IBM Corporation, 2009. | | |
| Teaching Experience | Recitation Instructor , Columbia University STCS 6701: Foundations of Graphical Models | 2019 | |
| | Teaching Assistant , University of California Santa Cruz CMPS 140: Introduction to Artificial Intelligence | 2015, 2016 | |
| Professional Activities | Co-organizer of First Workshop on Causal Inference & NLP. EMNLP Conference. 2021. Co-organizer of Data Science Institute Speaker Series. Columbia University. 2019. Volunteer for Data Science Santa Cruz. UC Santa Cruz. 2014–2017. | | |
| Conference refereeing | Neural Information Processing Systems (NeurIPS), 2017, 2019 & 202 Artificial Intelligence and Statistics (AISTATS), 2019 & 2018. International Conference for Machine Learning (ICML), 2018. International Conference on the Web and Social Media (ICSWM), 20 The Web Conference (WWW), 2017. International Joint Conference on Artificial Intelligence (IJCAI), 201 | 018. | |