

Sandeep B. Soni

CONTACT	soni.sandeepb@gmail.com		
RESEARCH INTERESTS	Natural Language Processing, Computational Social Science, Cultural Analytics.		
CURRENT AFFILIATION	University of California, Berkeley		
	Postdoctoral Researcher, Advisor: David Bamman		2021-2023
EDUCATION	Georgia Institute of Technology, USA		
	Ph.D., Computer Science, Advisor: Jacob Eisenstein		2021
	M.S., Computer Science (Machine Learning),		2014
	Pune Institute of Computer Technology, India		
	B.E., Computer Engineering,		2010
INTERNSHIPS	Research Intern		
	Information Sciences Institute, USC		2018
	Max Plank Institute for Software Systems, Germany		2017
	FUSE Labs, Microsoft Research		2016
	Software Engineering Intern		
	Yahoo!		2013
TEACHING EXPERIENCE	Graduate Teaching Assistant		
	Web Search and Text Mining		Spring 2021
	Natural Language Processing		Fall 2020
	Social Computing		Fall 2019
	Natural Language Processing		Fall 2015
INDUSTRY EXPERIENCE	Software Development Engineer		
	Yahoo!		2014 - 2015
	Research Engineer		
	Oneirix Labs, Pune, India		2010 - 2012
JOURNAL PAPERS	<ol style="list-style-type: none">1. Soni, S., Klein, L., and Eisenstein, J. (2021) “Abolitionist Networks: Modeling Language Change in Nineteenth-Century Activist Newspapers” In the <i>Journal of Cultural Analytics</i> (JCA)2. Soni, S., Lerman, K., and Eisenstein, J. (2021) “Follow the Leader: Documents on the Leading Edge of Semantic Change Get More Citations” In the <i>Journal of the Association for Information Science and Technology</i> (JASIST)		

CONFERENCE
PAPERS

1. **Soni, S.**, Bamman, D., and Eisenstein, J. (2022) “Predicting Long-Term Citations from Short-Term Linguistic Influence“ To appear In *Proceedings of Findings of Association of Computational Linguistics* (Findings-EMNLP)
2. Beel, J., Xiang, T., **Soni, S.**, Yang, D. (2022) “Linguistic Characterization of Divisive Topics Online: Case Studies on Contentiousness in Abortion, Climate Change, and Gun Control”. In *Proceedings of the International AAAI Conference on Web and Social Media* (ISWSM)
3. He, B., Ziemis, C., **Soni, S.**, Ramakrishnan, N., Yang, D., Kumar, S. (2021) “Racism is a Virus: Anti-Asian Hate and Counterspeech in Social Media during the COVID-19 Crisis” In *Proceedings of 2021 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining* (ASONAM)
4. Cranshaw, J., Elwany, E., Newman, T., **Soni, S.**, Kocielnik, R., Yu, B., Teevan, J. and Hernandez, A.M. (2017) “Calendar.help: Designing a Workflow-Based Scheduling Agent with Humans in the Loop” . In *Proceedings of the CHI Conference on Human Factors in Computing Systems*, Denver. (Acceptance rate $\leq 25\%$)
5. Goel, R., **Soni, S.**, Goyal, N., Paparrizos, J., Diaz, F., Wallach, H. and Eisenstein, J. (2016) “The Social Dynamics of Language Change in Online Networks” In *International Conference on Social Informatics*, Seattle. (Acceptance rate $\leq 28\%$)
6. **Soni, S.**, Mitra, T., Gilbert, E. and Eisenstein, J. (2014). “Modeling Factuality Judgments in Social Media Text” In *Proceedings of Association of Computational Linguistics*, Baltimore (Acceptance rate $\leq 30\%$)

WORKSHOP
PAPERS

1. **Soni, S.**, Klein, L., Eisenstein, J. (2020) “ A Lexical Semantic Leadership Network of Nineteenth Century Abolitionist Newspapers” in *Proceedings of the Fourth Workshop on NLP and CSS at EMNLP, 2020*
2. **Soni, S.**, Ramirez, S., Eisenstein, J. (2019) “ Detecting Social Influence in Event Cascades using Discriminative Rankers” in *Proceedings of the SIGKDD Workshop on Causal Discovery, 2019*
3. **Soni, S.**, Klein, L., Eisenstein, J. (2019) “Correcting Whitespace Errors in Digitized Historical Texts” in *Proceedings of the Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature. 2019, Minneapolis USA.*
4. Tavabi, N., Bartley, N., Abeliuk, A., **Soni, S.**, Ferrara, E., Lerman, K. in *Companion Proceedings of The 2019 World Wide Web Conference*
5. **Soni, S.**, Ling Ramirez, S., Eisenstein, J. (2018) “Follow the money: Linking legislative co-sponsorship to a network of campaign donors” in *11th Annual Political Networks Conference and Workshops*, Washington DC USA.
6. Hohman, F., **Soni, S.**, Stewart, I., Stasko, J. (2017) “A Viz of Ice and Fire: An Interactive Visualization for Entertainment Videos” in *2nd Workshop on Visualization for the Digital Humanities*, Phoenix USA.

SERVICE

Volunteer

EMNLP, KDD, NAACL, ACL

2014-2020

Reviewer

ICWSM, NAACL, EMNLP, WWW, ACL

2017-2021

MENTEES	Elvis Wei, Junior, UC Berkeley	Jan 2022-Dec 2022
	Akshara Majjiga, Senior, UC Berkeley	Jan 2022-May 2022
	Arda Demirci, Senior, UC Berkeley	Aug 2022-Dec 2022
	Conner Manuel, Senior, UC Berkeley	Aug 2022-Dec 2022
	Nancy Xu, Senior, UC Berkeley	Aug 2022-Dec 2022
	Bohan Yu, Senior, UC Berkeley	Aug 2022-Dec 2022
INVITED TALKS	1. Computational Models of Language Change from Diachronic Text, at the <i>University of Southern California, Information Sciences Institute, Natural Language Seminar</i> (January, 2021)	
TUTORIALS	1. Soni, S. (2022) “Using Word Embeddings to Measure Group and Temporal Differences in Meaning”, at the <i>16th International Conference on Web and Social Media (ICWSM)</i>	
	2. Soni, S. , Gilroy, C. (2021) “Comparing Word Embedding Models”, at the <i>NLP+CSS 201 Online Tutorial Series</i> .	
	3. Soni, S. , Stewart, I. (2019) “Measuring and Modeling Language Change”, at the <i>5th International Conference on Computational Social Science, Amsterdam, Netherlands</i>	
PRESENTATIONS	1. Follow the Leader: Documents on the Leading Edge of Semantic Change Get More Citations, at the <i>3rd Behavioral Insights from Text Conference, Philadelphia, University of Pennsylvania</i> (2020)	
	2. Multivariate Hawkes Process to Model Spread of Lexical Innovations in a Network, at the <i>3rd Workshop on Computational Social Science, Atlanta, GA</i> (2015)	
	3. Informational Determinants of Shaming Intensity: A Text Analytic Study of Human Rights Reporting, at the <i>1st Workshop on Computational Social Science, Atlanta, GA</i> (2013)	