Joe Hoover | CV

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Academic Positions

Kellogg School of Management   **Evanston, IL**
Department of Management and Organizations   *2019-Present*
Postdoctoral Fellow

Education

University of Southern California   **Los Angeles, CA**
PhD, Psychology   *2015-2020*
Advisors: Morteza Dehghani & Jesse Graham

University of Oregon, OR   **Eugene**
MS, Psychology   *2013-2015*
Advisors: Azim Shariff

Central Connecticut State University   **New Britain, CT**
BA, English   *2008-2010*

Awards

- Society for Personality and Social Psychology 2018 Annual Conference Workshop Chair Funding
- StanCon 2018 Student Scholarship Award
- University of Southern California Graduate School Travel Award 2016
- University of Southern California Big Data Symposium Student Poster Award 2017
- Empirical Methods on Natural Language Processing 2016 Doctoral Consortium NSF Travel Award
- International Conference on Language and Social Psychology Student Paper Award 2016
- University of Southern California Big Data Symposium Student Paper Award 2016
- University of Southern California Graduate Student Travel Award 2016
- University of Oregon Graduate Student Travel Award 2015

Research Interests

Conflict & violence, moral beliefs & behavior, natural language processing, causal estimation, survey methodology, Bayesian modeling

Publications

Journal Articles

Hoover, **J**. & Dehghani, M. (2019). The big, the bad, and the ugly: geographic estimation with flawed psychological data. *Psychological Methods*.

Hoover, **J**., Portillo-Wightman, G., Yeh, L., & et al. (2019). Moral foundations twitter corpus: a collection of 35k tweets annotated for moral sentiment. *Social Psychological and Personality Science*.

Garten, J., Kennedy, B., **Hoover**, **J**., Sagae, K., & Dehghani, M. (2018). Incorporating demographic embeddings into language understanding. *Cognitive Science*.

Hoover, **J**., Johnson, K. M., Bohgrhati, R., Graham, J., & Dehghani, M. (2018). Moral framing and charitable donation: integrating exploratory social media analyses and confirmatory experimentation. *Collabra Psychology*.

Hoover*, **J**., Mooijman*, M., Lin, Y., Ji, H., & Dehghani, M. (2018). Moralization in social networks and the emergence of violent protests. *Nature Human Behavior*. *Cover issue of Nature Human Behaviour, news bulletin of Science Magazine and Boston Globe, 99% percentile attention score through Altmetric, will be included in 2020 SAGE Introduction to Psychology textbook.

Dehghani, M., Boghrati, R., Man, K., **Hoover**, **J**., Gimbel, S. R., Vaswani, A., . . . Kaplan, J. (2017). Decoding the neural representation of story meanings across languages. human brain mapping. *Human Brain Mapping*.

Garten, J., **Hoover**, **J**., M, J. K., Boghrati, R., Iskiwitch, C., & Dehghani, M. (2017). Dictionaries and distributions: combining expert knowledge and large scale textual data content analysis. *Behavior Research Methods*.

Dehghani, M., Johnson, K. M., Garten, J., Boghrati, R., **Hoover**, **J**., Balasubramanian, V., . . . Rajkumar, A., et al. (2016). Tacit: an open-source text analysis, crawling, and interpretation tool. *Behavior research methods*, 1–10.

Dehghani, M., Johnson, K., **Hoover**, **J**., Sagi, E., Garten, J., Parmar, N. J., . . . Graham, J. (2016). Purity homophily in social networks. *Journal of Experimental Psychology: General*, 145(3), 366.

Iliev, R., **Hoover**, **J**., Dehghani, M., & Axelrod, R. (2016). Linguistic positivity in historical texts reflects dynamic environmental and psychological factors. *Proceedings of the National Academy of Sciences*, 113(49), E7871–E7879.

Van Ryzin, M., Vincent, C., & **Hoover**, **J**. (2016). Initial exploration of a construct representing native language and culture (nlc) in elementary and middle school instruction. *Journal of American Indian Education*, *55*(1), 74–101.

Manuscripts under Review

Hoover, **J**., Atari, M., Davani, A. M., Kennedy, B., Portillo-Wightman, G., Yeh, L., & Dehghani, M. (2019). Bound in hatred: the role of group-based morality in acts of hate. *Nature Communications*.

Book Chapters

Hoover, **J**., Dehghani, M., Johnson, K., Iliev, R., & Graham, J. (In press). Into the wild: big data analytics in moral psychology. In J. Graham & K. Gray (Eds.), *The atlas of moral psychology*. Guilford Press.

Conference Papers

Hoover, **J**., Horton, K., & Dehghani, M. (2017). Investigating the psychometric properties of distributed representations of latent moral concepts. In *Proceedings of annual conference of the cognitive science society*.

Boghrati, R., **Hoover**, **J**., Garten, J., & Dehghani, M. (2016). Syntax accommodation in social media conversations. In *In the proceedings of 37th annual conference of the cognitive science society*.

Garten, J., Boghrati, R., **Hoover**, **J**., Johnson, M., K, & Dehghani, M. (2016). Morality between the lines: detecting moral sentiment in text. In *Proceedings of ijcai 2016 workshop on computational modeling of attitudes*.

Invited Talks

Moral Psychology Research Group	**Salt Lake City, UT**
	November, 2019
Northwestern, Kellogg School of Management	**Evanston, IL**
	August, 2019
Yale, Department of Psychology	**New Haven, CT**
	May, 2019

Refereed Abstracts

Talks

Hoover. (2020). Bound in hatred: investigating the role of group-based morality in acts of hate. Presented at Wharton *Behavioral Insights from Text Conference*.

Hoover, J., Atari, M., Mostafazadeh, A., Kennedy, B., Portillo-Wightman, G., & Dehghani, M. (2020). Bound in hatred: a multi-methodological investigation of morality's role in acts of hate. To be presented at the annual *Association for Psychological Science* conference.

Hoover, J., Kennedy, B., Mostafazadeh, A., & Dehghani, M. (2019). Using social media to estimate regional racial prejudice. Presented at *Society for Personality and Social Psychology Conference*.

Hoover, J., Mooijman, M., & Dehghani, M. (2019). Moralization in social networks and the emergence of violence during protests. Presented at Wharton *Behavioral Insights from Text Conference*.

Hoover, J., Dehghani, M., & Graham, J. (2018). The other three dimensions: accounting for space in psychological research. Presented at *Society for Personality and Social Psychology Conference*.

Hoover, J., Johnson, M., K, Boghrati, R., Garten, J., Dehghani, M., & Graham, J. (2017). Why we #help!: the role of moral values in charitable donation, on and off-line. Presented at *Society for Personality and Social Psychology Conference*.

Boghrati, R., **Hoover**, J., Johnson, K. M., Garten, J., & Dehghani, M. (2016). Cassim: conversation level syntax similarity metric. Presented at *International Conference on Language and Social Psychology*.

Hoover, J., Boghrati, R., Garten, J., & Dehghani, M. (2016). When disaster hits, we must #help: the role of moral rhetoric in online prosociality. Presented at *International Conference on Language and Social Psychology*.

Posters

Hoover, J., Boghrati, R., & Dehghani, M. (2016). *Twitterverse: moral sentiment predicts intent to donate*. Presented at *Society for Personality and Social Psychology Meeting*.

Hoover, J., Johnson, M., K, Boghrati, R., Garten, J., Dehghani, M., & Graham, J. (2016). *Why we #help!: moral rhetoric and online prosociality*. Presented at *USC Big Data and Human Behavior Symposium*.

Hoover, J. & Shariff, A. (2015). *Why so cold? linking perceived religiosity to negative scientist stereotypes*. Presented at *Society for Personality and Social Psychology Meeting*.

Tobin, T., Vincent, C., & **Hoover**, J. (2015). *Understanding and measuring cultural concepts*. Presented at *Northwest PBIS Spring Conference*.

Hoover, J. & Shariff, A. (2014). *Mind, morality, and humanness: investigating perceptions of the sciences and humanities*. Presented at *University of Oregon Graduate Research Conference*.

Refereed Workshops

Soc. for Personality and Social Psychology Conf.   **New Orleans, LA**
A Modern Introduction to Theory-Driven Text Analysis in R   *February, 2020*

Co-chair
Soc. for Personality and Social Psychology Conf. Atlanta, GA
Geo-spatial modeling for Personality and Social Psychology *February, 2018*
Facilitator

Teaching

University of Southern California **Los Angeles, CA**
Spring, Graduate Teaching Fellow *2019*
Psychology 499: Text as Data

University of Southern California **Los Angeles, CA**
Fall, Guest Lecturer *2017*
Psychology 626: Advanced Big Data Methods

University of Southern California **Los Angeles, CA**
Fall, Graduate Teaching Fellow *2017*
Psychology 314: Experimental Methods

University of Southern California **Los Angeles, CA**
Fall, Guest Lecturer *2017*
Psychology 626: Computational Social Sciences

University of Southern California **Los Angeles, CA**
Fall, Graduate Teaching Fellow *2017*
Psychology 274: Introduction to statistics

Summer Institute for Soc and Pers Pych **Los Angeles, CA**
Summer, Teaching Assistant *2017*
Machine Learning

Summer Institute for Soc and Pers Pych **Los Angeles, CA**
Summer, Teaching Assistant *2017*
Neural Network Modeling

Summer Institute for Soc and Pers Pych **Los Angeles, CA**
Summer, Teaching Assistant *2017*
Intensive Longitudinal Modeling

University of Oregon **Eugene, OR**
Winter, Graduate Teaching Fellow *2015*
Education 614: Education Statistics

University of Oregon **Eugene, OR**
Summer, Course Instructor *2014*
Psychology 330: Thinking

Computational Expertise

Languages:: R, Python

Areas of Experience: General statistical modeling, hierarchical modeling, natural language processing, machine learning, applied Bayesian modeling,

geospatial modeling, time-series analysis

Consulting

University of Utah, Eccles School of Business   **Salt Lake City, UT**
Data Science Consultant   *December, 2017-June, 2018*
Developed NLP pipeline and dashboard for studying organizational behavior of the Federal Deposit Insurance Corporation via analysis of public documents

Ranker   **Los Angeles, CA**
Data Science Consultant   *June, 2017-2018*
Implemented statistical- and NLP-based interventions for improving various company outcomes including social targeting and ad revenue

Catalyst Behavioral Sciences   **Miami, FL**
Data Science Consultant   *March, 2017*
Designed computational system for discovering brand interest groups via network and language modeling

Heritage Research Associates   **Eugene, OR**
Statistical Consultant   *October, 2014*
Statistical modeling and hypothesis testing for historic artifact analysis

University of California, Davis   **Davis, CA**
Data Manager   *Summer, 2014*
Managed data for the Gates Foundation funded International Lipid-Based Nutrient Supplements Project (iLiNS)

Ad Hoc Reviewer

Nature, Proceedings of the National Academy of Sciences, Psychological Science, Journal of Personality and Social Psychology, Personality and Social Psychology Review, Journal of Research and Personality, PLOS ONE, Empirical Methods in Natural Language Processing, Association for Computational Linguistics

Memberships

Society for Personality and Social Psychology, Cognitive Science Society Association for Psychological Science