Aida Mostafazadeh Davani

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Education

◇ **Ph.D. Computer Science**   Fall 2017 – [Expected] Spring 2022
University of Southern California, Los Angeles, United States

◇ **M.Sc. Software Engineering**   Fall 2014 – Fall 2017
Sharif University of Technology, Tehran, Iran

◇ **B.Sc. Software Engineering**   Fall 2009 – Summer 2014
Sharif University of Technology, Tehran, Iran

Research Interests

◇ Fairness in Machine Learning

◇ Computational Social Science

◇ Natural Language Processing

Publications

◇ Kennedy, B.*, Jin, X.*, **Mostafazadeh Davani, A.**, Dehghani, M., Ren, X. *"Contextualizing hate speech classifiers with post-hoc explanation"*, In Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics (2020).

◇ **Mostafazadeh Davani, A.**, Yeh, L., Atari, M., Kennedy, B., Wightman, G. P., Gonzalez, E., Delong, N., Bhatia, R., Mirinjian, A., Ren, X., Dehghani, M. *"Reporting the unreported: Event extraction for analyzing the local representation of hate crimes"*, In the Proceedings of Empirical Methods in Natural Language Processing (2019).

◇ Courtland, M., **Mostafazadeh Davani, A.**, Reyes, M., Yeh, L., Leung, J., Kennedy, B., Dehghani, M., Zevin, J. *"Modeling performance differences on cognitive tests using LSTMs and skip-thought vectors trained on reported media consumption"*, Proceedings of the Third Workshop on Natural Language Processing and Computational Social Science (2019).

◇ Courtland, M., **Mostafazadeh Davani, A.**, Reyes, M., Yeh, L., Leung, J., Kennedy, B., Dehghani, M., Zevin, J. *"Subtle differences in language experience moderate performance on language-based cognitive tests."*, Proceedings of the 41st Annual Conference of the Cognitive Science Society, Austin, Texas. Cognitive Science Society. (2019).

◇ Chambers, M. K., **Mostafazadeh Davani, A.**, Goodwin, R., Dodson, S., Yeh, L., Dehghani, M., Graham, J., Diekmann, K. A. *"The power of silence: Using sentiment text analysis to examine twitter responses to sexual harassment accounts"*, International Association for Conflict Management (IACM), Dublin, Ireland (2019).

◇ Atari, M., **Mostafazadeh Davani, A.**, Dehghani, M. *"Body maps of moral concerns"*, Psychological Science (2019).

◇ Hoover, J., Portillo-Wightman, G., Yeh, L., Havaldar, S., **Mostafazadeh Davani, A.**, Lin, Y., Kennedy, B., Atari, M., Kamel, Z., Mendlen, M., Moreno, G., Chin, J., Leong, C., Leung, J. Y., Mirinjian, A. Dehghani, M. (accepted). *"Moral Foundations Twitter Corpus: A collection of 35k tweets annotated for moral sentiment"*, Social Psychological and Personality Science (2019).

◇ **Mostafazadeh Davani, A.**, Nazari Shirehjini, A. A., Daraei, S. *"Towards interacting with smarter systems"*, Journal of Ambient Intelligence and Humanized Computing (2018).

◇ **Mostafazadeh Davani, A.**, Nazari Shirehjini, A. A. and Daraei, S. *"A Meta user interface for understandable and predictable interaction in AAL."*, Human Aspects of IT for the Aged Population. Design for Everyday Life. Springer International Publishing, (2015).

◇ **Mostafazadeh Davani, A.**, Nazari Shirehjini, A. A., Daraei, S., Khojasteh, N., and Shirmohammadi, S. *"A Meta user interface for interaction with mixed reality environments."*, Haptic, Audio and Visual Environments and Games (HAVE), 2015 IEEE International Symposium on, IEEE, (2015).

Pre-prints	⬦ Atari, M., **Mostafazadeh Davani, A.**, Kogon, D., Kennedy, B., Saxena, N. A., Anderson, I., Dehghani, M. *"Extremists of a feather hate together: Morally homogeneous networks and use of hateful rhetoric"*, (2020, under review).

⬦ Atari, M., Hoover, J., Kennedy, B., **Mostafazadeh Davani, A.**, Omrani, A., Karimi-Malekabadi, F., Portillo-Wightman, G., Birjandi, S., Dehghani, M. *"Pathogens are linked to human moral systems across time and space"*, (2020, under review).

⬦ Kennedy, B., Atari, M., **Mostafazadeh Davani, A.**, Hoover, J., Omrani, A., Graham, J., Dehghani, M. *"Moral concerns are differentially observable in language"*, (2020, under review).

⬦ Kennedy, B., Atari, M., **Mostafazadeh Davani, A.**, Yeh, L., Omrani, A., Kim, Y., ..., Hoover, J. *"The gab hate corpus: A collection of 27k posts annotated for hate speech"*, (2020, under review).

⬦ Hoover, J., Atari, M.*, **Mostafazadeh Davani, A.***, Kennedy, B.*, Portillo-Wightman, G., Yeh, L., ..., Dehghani, M. *"Bound in hatred: The role of group-based morality in acts of hate"*, (2019, under review).

Presentations	⬦ **Mostafazadeh Davani, A.**, Atari, M., Kennedy, B., Havaldar, Sh., Dehghani, M. *"Hatred is in the Eye of the Annotator: Hate Speech Classifiers Learn Human-Like Social Stereotypes"*, Cognitive Science Conference, (2020, July).

⬦ Kennedy, B., Jin, X., **Mostafazadeh Davani, A.**, Dehghani, M., Ren, X. *"Contextualizing Hate Speech Classifiers with Post-hoc Explanation"*, Oral presentation at the Annual Meeting of Association for Computational Linguistics, Seattle, USA (2020, July).

⬦ Atari, M., **Mostafazadeh Davani, A.**, and Dehghani, M. *"Body Maps of Moral Concerns"*, Oral presentation at the Society for Personality and Social Psychology Conference, New Orleans, USA (2020, February).

⬦ **Mostafazadeh Davani, A.**, Yeh, L., Atari, M., Kennedy, B., Portillo-Wightman, G., Gonzalez, E., ... Dehghani, M. . *"Reporting the Unreported: Event Extraction for Analyzing the Local Representation of Hate Crimes"*, Oral presentation at the Conference on Empirical Methods in Natural Language Processing, Hong Kong, China (2019, November).

⬦ **Mostafazadeh Davani, A.**, Vial, A., Chestnut, E., Leung, J. Y., Cimpian, A., Dehghani, M., *"An Analysis of Gender Bias in Children's TV Shows"*, Oral presentation at the Third Workshop on Natural Language Processing and Computational Social Science, Minneapolis, USA (June, 2019)

⬦ Kennedy, B., Hoover, J., **Mostafazadeh Davani, A.**, Garten, J., Dehghani, M.. *"Measuring Moral Rhetoric in Text: Attempts to Capture Context"*, Oral presentation at the Annual Society for Personality and Social Psychology Conference, Portland, USA (2019, November).

⬦ Dehghani, M., Kennedy, B., **Mostafazadeh Davani, A.**, Yeh, L., and Atari, M. *"Inferring Moral Concerns from Facebook Status Updates"*, Oral presentation at the Association for Research in Personality, Grand Rapids, USA (2019, June).

⬦ Hoover, J., Atari, M., **Mostafazadeh Davani, A.**, Kennedy, B., Dehghani, M. *"Moral Values and Acts of Hate"*, Oral presentation at the Society for Personality and Social Psychology Conference, Portland, USA (2019, February).

⬦ Lin, Y., **Mostafazadeh Davani, A.**, Oyserman. D., & Dehghani. M. *"Situating Honor in Moral Contexts"*, Data Blitz presented in the Psychology of Language pre-conference, Society of Personality and Social Psychology Convention, Atlanta, USA (2018).

Teaching Experience	⬦ Analysis of Algorithm at University of Southern California	Fall 2018 - Spring 2019
	⬦ Human Computer Interaction at Sharif University of Technology	Fall 2015 - Spring 2017
	⬦ Principles of Programming at Sharif University of Technology	Fall 2012 - Fall 2013

Honors and Awards	⬦ Graduate Research Assistantship, National Science Foundation (NSF) (PI: Morteza Dehghani)	2018-2020
	⬦ Graduate Research Assistantship, National Institute of Health (NIH) (PI: Jason Zevin)	2018

⋄ Hopper Scholarship Award, USC Department of Computer Science 2017

Academic Memberships

⋄ Society for Personality and Social Psychology (SPSP) 2019-2020

⋄ Cognitive Science Society (CogSci) 2020

⋄ Association for Computational Linguistics (ACL) 2019-2020

Languages

⋄ Persian (native)

⋄ English (fluent)

⋄ French (Intermediate)

⋄ Arabic (Basic)

Skills

⋄ Programming: Python, Java, C++, C#, R

⋄ Deep Learning: Tensorflow, PyTorch, Keras

⋄ Statistics: Hierarchical Modeling, Time Series Analysis

Ad-Hoc Review

⋄ Annual Conference of the North American Chapter of the Association for Computational Linguistics (NACCL)

⋄ The Association for the Advancement of Artificial Intelligence (AAAI) Workshop on Affective Content Analysis (AffCon)

⋄ Workshop on Natural Language Processing and Computation Socia Sciene (NLP+CSS)

⋄ Behavior Research Methods

⋄ Cognitive Science Society (CogSci)

⋄ ACM Transactions on Asian and Low-Resource Language Information Processing