

Brendan Kennedy

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I am a 5th year Ph.D. student, studying computer science in the Computational Social Sciences Laboratory (CSSL) with Morteza Dehghani. I research in the area of computational methods and the social sciences, particularly with regard to measurements of natural language.

Education

- 2016 – present 📖 **Ph.D., Computer Science, University of Southern California**
Expected Completion: 2022
Research Topic: Explainable NLP and Text Analysis Methods
- 2012 – 2016 📖 **B.S. Computer Science, Gonzaga University *Magna cum Laude***
Minors: *Mathematics and Philosophy*

Research Publications

Preprints, Under Review & Under Revision

- 1 **Kennedy, B.**, Atari, M., Mostafazadeh Davani, A., Hoover, J., Omrani, A., Graham, J., & Dehghani, M. (2020). Moral concerns are differentially observable in language. PsyArXiv.
🔗 <https://doi.org/10.31234/osf.io/uqmtq>
- 2 **Kennedy, B.**, Atari, M., Mostafazadeh Davani, A., Yeh, L., Omrani, A., Kim, Y., Coombs Jr., K., Havaladar, S., Portillo-Wightman, G., Gonzalez, E., Hoover, J., Azatian, A., Cardenas, G., Hussain, A., Lara, A., Omary, A., Park, C., Wang, X., Wijaya, C., ... Dehghani, M. (2020). The gab hate corpus: A collection of 27k posts annotated for hate speech. PsyArXiv.
🔗 <https://doi.org/10.31234/osf.io/hqjxn>
- 3 Hoover, J., Atari*, M., Mostafazadeh Davani*, A., **Kennedy*, B.**, Portillo-Wightman, G., Yeh, L., Kogon, D., & Dehghani, M. (2019). Bound in hatred: The role of group-based morality in acts of hate. PsyArXiv.

Journal Articles

- 1 Hoover, J., Portillo-Wightman, G., Yeh, L., Havaladar, S., Davani, A., Lin, Y., **Kennedy, B.**, Atari, M., Kamel, Z., Mendlen, M., Moreno, G., Park, C., Chang, T., Chin, J., Leong, C., Leung, J., Mirinjian, A., & Dehghani, M. (2020). Moral foundations twitter corpus: A collection of 35k tweets annotated for moral sentiment. *Social Psychological and Personality Science*.
- 2 Garten, J., **Kennedy, B.**, Hoover, J., Sagae, K., & Dehghani, M. (2019). Incorporating demographic embeddings into language understanding. *Cognitive Science*, 43(1).
🔗 <https://doi.org/10.1111/cogs.12701>
- 3 Garten*, J., **Kennedy*, B.**, Sagae, K., & Dehghani, M. (2019). Measuring the importance of context when modeling language comprehension. *Behavior Research Methods*, 51(2), 480–492.
- 4 Hossain, K., Gao, S., **Kennedy, B.**, Galstyan, A., & Natarajan, P. (2018). Forecasting violent events in the middle east and north africa using the hidden markov model and regularized autoregressive models. *Journal of Defense Modeling and Simulation*.

Conference Proceedings

- 1 **Kennedy*, B.**, Jin*, X., Mostafazadeh Davani, A., Dehghani, M., & Ren, X. (2020). Contextualizing hate speech classifiers with post-hoc explanation, In *Proceedings of the 2020 annual conference of the association for computational linguistics*.
- 2 Mostafazadeh Davani, A., Atari, M., **Kennedy, B.**, Havaladar, S., & Dehghani, M. (2020). Hatred is in the eye of the annotator: Hate speech classifiers learn human-like social stereotypes (in press), In *Proceedings of the 42nd annual conference of the cognitive science society (cogsci)*.
- 3 Courtland, M., Davani, A., Reyes, M., Yeh, L., Leung, J., **Kennedy, B.**, Dehghani, M., & Zevin, J. (2019a). Modeling performance differences on cognitive tests using lstms and skip-thought vectors trained on reported media consumption., In *Proceedings of the third workshop on natural language processing and computational social science (nlp+css)*.
- 4 Courtland, M., Davani, A., Reyes, M., Yeh, L., Leung, J., **Kennedy, B.**, Dehghani, M., & Zevin, J. (2019b). Subtle differences in language experience moderate performance on language-based cognitive tests, In *Proceedings of the 41st annual conference of the cognitive science society, austin, texas. cognitive science society*.
- 5 Davani, A. M., Yeh, L., Atari, M., **Kennedy, B.**, Portillo-Wightman, G., Gonzalez, E., DeLong, N., Bhatia, R., Mirinjian, A., Ren, X., & Dehghani, M. (2019). Reporting the unreported: Event extraction for analyzing the local representation of hate crimes, In *Proceedings of the 2019 conference on empirical methods in natural language processing and 9th international joint conference on natural language processing (emnlp-ijcai)*.
- 6 **Kennedy, B.**, Carrazza, M., Rasin, A., Furst, J., & Raicu, D. (2015). Applying association rule mining to semantic data in the lung image database consortium, In *Proceedings - 15th IEEE International Conference on Data Mining Workshop, ICDMW 2015*.

Employment History

2019 – present	■ Research Assistant , Department of Psychology, Dornsife College of Letters, Arts and Sciences, University of Southern California.
2018 – present	■ Teaching Assistant , Computer Science Department, Viterbi School of Engineering, University of Southern California.
2016 – 2017	■ Research Assistant , Computer Science Department, Viterbi School of Engineering, University of Southern California; Information Sciences Institute (ISI), University of Southern California.

Skills

Programming (Experienced)	■ Python, R, \LaTeX , Markdown
Python libraries	■ pandas numpy tensorflow keras matplotlib seaborn nltk spacy
R packages	■ tidyverse stats lme4 MASS
Programming (Proficient)	■ C++, Java, PHP, SQL, JavaScript

References

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