

Dorottya Demszky

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EDUCATION

Stanford University

September 2017 – Present

- PhD Candidate in Linguistics
- Melvin and Joan Lane Stanford Graduate Fellow

Princeton University

September 2013 – June 2017

- BA in Linguistics, Minor in Computer Science
- Summa Cum Laude

LSA Summer Linguistics Institute, University of Chicago

July 2015

- Fellowship Recipient

PROFESSIONAL EXPERIENCE

Google

Summer 2020

Research Intern

Seattle, WA

- Worked on a multi dialect data collection project.
- Developed methods to recognize dialect features given small amounts of training data, in order evaluate the robustness of NLP systems to language variation.

Google

Summer 2019

Research Intern

Mountain View, CA

- Built a dataset, conducted in-depth analyses and developed models for recognizing fine-grained emotions in text.

Center for the Study of Language and Information (CSLI)

Summer 2016

Research Intern

Stanford University

- Worked with Professor Percy Liang and graduate student Kelvin Guu on a project pertaining to understanding the linguistic properties of natural language inference.

PUBLICATIONS

- Demszky, D., Liu, J., Mancenido, Z., Cohen, J., Hill, H., Jurafsky, D., and Hashimoto, T. (2021a). Measuring Conversational Uptake: A Case Study on Student-Teacher Interactions. In *Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics (ACL)*
- Demszky, D., Sharma, D., Clark, J. H., Prabhakaran, V., and Eisenstein, J. (2021b). Learning to Recognize Dialect Features. In *Proceedings of the 19th Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*
- Demszky, D. (2021). The Role of Verb Semantics in Hungarian Verb-Object Order. In *Proceedings of the Linguistic Society of America (LSA)*
- Lucy*, L., Demszky*, D., Bromley, P., and Jurafsky, D. (2020). Content Analysis of Textbooks via Natural Language Processing: Findings on Gender, Race, and Ethnicity in Texas US History Textbooks. *AERA Open*, 6(3):2332858420940312

- Demszky, D., Movshovitz-Attias, D., Ko, J., Cowen, A., Nemade, G., and Ravi, S. (2020). GoEmotions: A Dataset of Fine-Grained Emotions. In *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics (ACL)*
- Kmetty, Z., Vincze, V., Demszky, D., Ring, O., Nagy, B. N., and Szabó, M. K. (2020). *Pártélet: A Hungarian Corpus of Propaganda Texts from the Hungarian Socialist Era*. In *Proceedings of the 13th International Conference on Language Resources and Evaluation (LREC)*
- Demszky, D., Garg, N., Voigt, R., Zou, J., Gentzkow, M., Shapiro, J., and Jurafsky, D. (2019). Analyzing Polarization in Social Media: Method and Application to Tweets on 21 Mass Shootings. In *Proceedings of the 17th Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*
- Demszky*, D., Guu*, K., and Liang, P. (2018). Transforming Question Answering Datasets Into Natural Language Inference Datasets. *arXiv preprint arXiv:1809.02922*

* indicates equal contribution

CONFERENCES & INVITED TALKS

ACL Conference, Bangkok, Thailand (virtual)	August 2021
Brown University, Department of Computer Science & Annenberg Institute	July 2021
Google, NLP Group	July 2021
NAACL Conference, Mexico City, Mexico (virtual)	August 2021
Women in Data Science Workshop Series	June 2021
Rising Stars in AI for Social Good Speaker Series, Harvard CRCS	April 2021
Cornell NLP Seminar	April 2021
LSA Annual Meeting, San Francisco (virtual)	January 2021
Eötvös Loránd University, Hungary	December 2020
Conference on Educational Data Science, Stanford (virtual)	September 2020
10th Annual New Directions in Analyzing Text as Data (TADA)	October 2019
University of San Francisco Seminar Series in Data Science	October 2019
NAACL, Minneapolis	June 2019
McGill Canadian Conference for Linguistics Undergraduates (McCCLU)	March 2016
Toronto Undergraduate Linguistics Conference (TULCON)	March 2016

TEACHING & MENTORING

Linguistics Department, Stanford University

Teaching Assistant

- I am the TA for Natural Language Understanding (Spring 2021), led by Prof. Chris Potts.
- I was the Corpus TA (AY 2019/20), as part of which I am managing corpora, holding workshops and helping students and faculty use corpora in their research.
- I was a TA for Introduction to Psycholinguistics (Autumn 2018), led by Prof. Judith Degen.

Petey Greene Prison Tutoring Program

January 2015 – May 2016

Volunteer Tutor & Course Co-Leader

- Tutored college-level Math and co-led an employment preparation course at correctional facilities in New Jersey.

- Advised a group of freshmen and sophomores on academic issues, such as adjustment to college, course selection and major choices.

ACTIVITIES

Tarisznya Táborok (Knapsack Camps)

2016 – Present

Co-Founder & Co-Director

- Co-founded and co-directing an NGO that seeks to empower marginalized children in Hungary through inclusive and project-based educational opportunities.
- Have raised more than \$50,000 since 2016 via grants and crowdfunding campaigns.

Hungarian Linguistics Olympiad

2012 – Present

Founder & Board Member

- Initiated and co-organized the first Hungarian Linguistics Olympiad in 2012.
- Wrote and translated problems for the six-round national contest.
- Providing training and mentorship to participants.

North American Computational Linguistics Olympiad

2013 – 2017

Member of the Problem Committee and Organizing Committee

- Wrote and helped correct problems for the contest.
- Served as the site coordinator for Princeton University.

ACADEMIC SERVICE

Reviewer, AERJ	2021
Reviewer, EMNLP	2021
Reviewer, ACL	2021
Reviewer, AERA Open	2020
Reviewer, EMNLP	2020
Reviewer, ACL	2019
Colloquium Committee Member, Stanford Linguistics	2019-2020
Social Committee Member, Stanford Linguistics	2017-2018
Social Co-Chair, Stanford NLP Group	2017-2019
Co-President, Princeton Linguistics Club	2015-2017

SKILLS

Programming	Python, R, Java, Javascript, C
Languages	Hungarian, English, German, French, basic Russian

AWARDS & HONORS

Best Paper Award at the Conference on Education Data Science	2020
Melvin and Joan Lane Stanford Graduate Fellowship	2017 – 2022
Senior Thesis Prize (Princeton University)	2017

Phi Beta Kappa Honor Society	2017
Davis Projects for Peace Prize	2016
Dr. Elemér & Éva Kiss Scholarship	2013, 2014, 2015, 2016, 2017
Linguistics Summer Institute Fellowship by the Linguistics Society of America (LSA)	2015
Recipient of the Városmajori Medal for Academic Achievements (awarded to one or two members of the graduating class at Városmajori Gimnázium)	2012
Member of the Hungarian team at the 10th International Linguistics Olympiad (IOL)	2012
4th Place at the Hungarian National Linguistics Olympiad	2012
6th Place at the Hungarian National Philosophy Olympiad	2012
11th Place at the Hungarian National Philosophy Olympiad	2011
National finalist at the Jugend Debattiert International German Debating Competition	2012
3rd Prize at the National English Short Story Writing Contest organized by the American Embassy in Hungary	2012
Honorabe Mention at the National Latin Translation Competition	2008