

# Julia Mendelsohn

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## Academic Appointments

- 2025 – **Assistant Professor**, *University of Maryland*  
College of Information Studies  
Department of Government & Politics
- 2024 – 2025 **Postdoctoral Scholar**, *University of Chicago*  
Data Science Institute  
Supervisor: Chenhao Tan

## Education

- 2024 **PhD, Information**, *University of Michigan*  
Advisor: Ceren Budak
- 2019 **MS, Computer Science**, *Stanford University*  
Specialization: Information Management and Analytics
- 2018 **BA, Linguistics with Honors**, *Stanford University*  
Minor in German Studies

## Industry Experience

- 2022 **Allen Institute for Artificial Intelligence Research Intern**, Seattle, WA
- 2021 **Pinterest Labs Research Intern (Machine Learning)**, San Francisco, CA
- 2015 **Hewlett Packard Labs Technical Intern**, Palo Alto, CA

## Awards

### Fellowships

- 2022 Google PhD Fellowship Recipient
- 2022 Meta PhD Research Fellowship Finalist
- 2021 Twitch Research Fellowship Finalist
- 2020 NSF Graduate Research Fellowship Program Honorable Mention

### Projects

- 2023 Outstanding Methodology Award (ICWSM)  
*Bridging Nations: Quantifying the Role of Multilinguals in Communication on Social Media*
- 2023 Best Poster (NLP@Michigan Day)  
*Challenges and Opportunities in Information Manipulation Detection: An Examination of Wartime Russian Media*
- 2017 Sponsor's Award (NLP with Deep Learning Poster Fair)  
*Modeling the Dynamic Framing of Controversial Topics in Online Communities*

### Other

- 2019 Scholarship for Uriel Weinreich Program in Yiddish Language, Literature, and Culture
- 2018 Krupp Foundation Stipend Recipient
- 2018 J.E. Wallace Sterling Award for Scholastic Achievement

- 2018 Delta Phi Alpha (German honor society)
- 2017 Phi Beta Kappa
- 2015 President's Award for Academic Excellence

## Publications

- 2024 **Julia Mendelsohn**, Maya Vijan, Dallas Card, and Ceren Budak. *Framing Social Movements on Social Media: Unpacking Diagnostic, Prognostic, and Motivational Strategies*. Journal of Quantitative Description.
- 2024 Joshua Ashkinaze, **Julia Mendelsohn**, Li Qiwei, Ceren Budak, and Eric Gilbert. *How AI Ideas Affect the Creativity, Diversity, and Evolution of Human Ideas: Evidence From a Large, Dynamic Experiment*. arXiv preprint arXiv:2401.13481
- 2023 **Julia Mendelsohn**, Ronan Le Bras, Yejin Choi, and Maarten Sap. *From Dogwhistles to Bullhorns: Unveiling Coded Rhetoric with Language Models*. Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (ACL).
- 2023 **Julia Mendelsohn**, Sayan Ghosh, David Jurgens, and Ceren Budak. *Bridging Nations: Quantifying the Role of Multilinguals in Communication on Social Media*. International Conference on Web and Social Media (ICWSM). (Outstanding Methodology Award)
- 2022 **Julia Mendelsohn\***, Chan Young Park\*, Anjalie Field\*, and Yulia Tsvetkov. *Challenges and Opportunities in Information Manipulation Detection: An Examination of Wartime Russian Media*. Proceedings of the Findings of the 2022 Conference on Empirical Methods in Natural Language Processing (Findings of EMNLP). [\*=equal contribution]
- 2022 Dallas Card, Serina Chang, Chris Becker, **Julia Mendelsohn**, Rob Voigt, Leah Boustan, Ran Abramitzky, and Dan Jurafsky. *Computational analysis of 140 years of US political speeches reveals more positive but increasingly polarized framing of immigration*. In Proceedings of the National Academy of Sciences 119(31), 2022.
- 2021 **Julia Mendelsohn**, David Jurgens, and Ceren Budak. *Modeling the framing of immigration on social media*. Proceedings of the 2021 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL).
- 2021 Chan Young Park, **Julia Mendelsohn**, Karthik Radhakrishnan, Kinjal Jain, Tushar Kanakagiri, David Jurgens and Yulia Tsvetkov. *Detecting Community Sensitive Norm Violations in Online Conversations*. Proceedings of the Findings of the 2021 Conference on Empirical Methods in Natural Language Processing (Findings of EMNLP).
- 2020 **Julia Mendelsohn**, Yulia Tsvetkov, and Dan Jurafsky. *A framework for the computational linguistic analysis of dehumanization*. Frontiers in Artificial Intelligence 3:55.
- 2019 Li Lucy and **Julia Mendelsohn**. *Using sentiment induction to understand variation in gendered online communities*. Proceedings for the second annual meeting of the Society for Computation in Linguistics (SCiL). ACL, 2019.
- 2018 Ethan Fast, Binbin Chen, **Julia Mendelsohn**, Jonathan Bassen, and Michael S Bernstein. *Iris: A conversational agent for complex tasks*. In Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems. ACM, 2018.

## Conference Presentations

- 2024 "Who gets to frame? Peer and group-level dynamics of political framing on social media". Patrick Wall, **Julia Mendelsohn**, and Ceren Budak. International Conference on Computational Social Science (IC2S2). Philadelphia, PA. July 17-20.
- 2024 "How AI Ideas Affect the Creativity, Diversity, and Evolution of Human Ideas: Evidence From a Large, Dynamic Experiment". Joshua Ashkinaze, **Julia Mendelsohn**, Li Qiwei, Ceren Budak, and Eric Gilbert. International Conference on Computational Social Science (IC2S2). Philadelphia, PA. July 17-20.
- 2024 "Does Prompt Engineering Matter for LLM-based Toxicity and Rumor Stance Detection? Evidence from a Large-scale Experiment". Shubham Atreja, Joshua Ashkinaze, Lingyao Li, **Julia Mendelsohn** and Libby Hemphill. Workshop on Online Abuse and Harms (WOAH). Mexico City, Mexico. June 20.
- 2023 "Framing Social Movements on Social Media: Unpacking Diagnostic, Prognostic, and Motivational Strategies". **Julia Mendelsohn**, Dallas Card, and Ceren Budak.
- New Directions in Analyzing Text as Data (TADA). Amherst, MA. Nov 9-10.
  - Politics and Computational Social Science (PaCSS). Los Angeles, CA. Aug 30.
- 2023 "Bridging Nations: Quantifying the Role of Multilinguals in Communication on Social Media". **Julia Mendelsohn**, Sayan Ghosh, David Jurgens, and Ceren Budak.
- Widening NLP Workshop. Singapore. Dec 6, 2023.
  - SoCal ML & NLP Symposium. Santa Barbara, CA. Nov 18, 2022.
  - International Conference on Computational Social Science (IC2S2). Virtual. July 27-31, 2021.
- 2022 "Sounding the Bullhorn: Surfacing and Analyzing Dogwhistles with Language Models". **Julia Mendelsohn**, Maarten Sap, and Ronan Le Bras.
- New Ways of Analyzing Variation 50. San Jose, CA. Oct 13-15.
  - New Directions in Analyzing Text as Data (TADA). New York, NY. Oct 6-7.
- 2022 "Challenges in Opinion Manipulation Detection: An Examination of Wartime Russian Media". **Julia Mendelsohn\***, Chan Young Park\*, Anjalie Field\*, and Yulia Tsvetkov. New Directions in Analyzing Text as Data (TADA). New York, NY. Oct 6-7.
- 2021 "Modeling the framing of immigration on social media". **Julia Mendelsohn**, Ceren Budak, and David Jurgens.
- New Directions in Analyzing Text as Data (TADA). Ann Arbor, MI. Oct 28-29.
  - Politics and Computational Social Science (PaCSS). Virtual. Aug 9-13.
  - International Conference on Computational Social Science (IC2S2). Virtual. July 27-31.
- 2020 "A framework for the computational linguistic analysis of dehumanization". **Julia Mendelsohn**, Yulia Tsvetkov, and Dan Jurafsky. *International Conference on Computational Social Science (IC2S2)*. Virtual. July 17-20.
- 2019 "The social meaning of diphthong fronting in Berlin German". Jannedy, S., M. Weirich, G. Schüppenhauer & **Julia Mendelsohn**. *Phonetik und Phonologie Tagung*, Düsseldorf, Germany. Sept 26-27.
- 2018 "Computational linguistic analysis of dehumanization of LGBTQ groups in the media". *New Ways of Analyzing Variation 47*, New York, NY. Oct 18-21.

2017 "Cross-community variation in onset /l/ among California Latinx speakers". Podesva, R., F. Conover, A. Flores-Perez, C. Gratton, A. Kane, D. Leigh, **Julia Mendelsohn**, C. Rentie & A. Sprenger. *New Ways of Analyzing Variation* 46, Madison, WI. Nov 2-5.

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## Invited Talks

### Panels

2023 **Automated detection of online hate speech**  
Center for Research on Antisemitism. Virtual. Oct 12.

2022 **Mismatches between computational tools and social science needs**  
Cassandra Project Roundtable Series. Ann Arbor, MI. Nov 11.

### Seminars

2024 **Unveiling Implicit Political Appeals with NLP**

- Columbia University NLP Group, May 1.
- University of Melbourne Information & Influence Hub, Apr 24.
- University of Melbourne NLP Group, Apr 8.

2024 **Computational approaches for uncovering implicit strategies in political discourse**

- Brandeis University, Department of Computer Science, Mar 1.
- University of California, San Diego, Halicioglu Data Science Institute and School of Global Policy & Strategy, Feb 21.
- University of Maryland, College of Information Studies & Department of Government & Politics, Feb 15.
- University of Oregon, Department of Data Science, Feb 11.
- University of Chicago, Chicago Human+AI Lab, Jan 16.

2023 **Computational analysis of nuanced political rhetoric**

- Tübingen/Brown Health NLP Lab, Dec 15.
- University of Southern California NLP Group, Aug 31.
- Cornell Computational Psycholinguistic Discussion Group, Mar 17.
- Michigan Computational Social Science/Data Science Seminar, Mar 16.
- INCITE: Columbia and McGill NLP for Social Science Seminar, Mar 9.

2021 **Modeling the framing of immigration on social media**

- Carnegie Mellon University Language Technologies Institute, Sep 17.
- Conversational AI and Social Analytics Lab at Philipps Universität Marburg, Sep 14.

2021 **Pairwise Learning to Rank for Closeup Stream Recommendations**  
Pinterest ML Lunch Series, June 10.

2021 **Uncovering dehumanization with computational linguistics**  
University of Washington Center for Statistics and the Social Sciences Seminar, Jan 20.

2020 **A computational analysis of immigration discourse on Twitter**  
University of Michigan Sociolinguistics, Contact, and Discourse Meeting, Oct 30.

2020 **A framework for the computational linguistic analysis of dehumanization**  
University of Michigan Computational Social Science/Data Science Seminar, Feb 20.

2018 **Understanding social change with NLP: a case study of LGBTQ representation in the *New York Times***  
Leibniz-Zentrum Allgemeine Sprachwissenschaft, Aug 29.

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## Teaching Experience

- Fall 2023 **Introduction to Statistics and Data Analysis**, *University of Michigan*  
Graduate Student Instructor for graduate-level statistics course (SI 544)
- Summer 2023 **Data Science Ethics**, *University of Michigan*  
Graduate Student Instructor for graduate-level ethics course (SIADS 503)
- Spring 2023 **Qualitative Inquiry for Data Scientists**, *University of Michigan*  
Graduate Student Instructor for graduate-level qualitative methods course (SIADS 601)
- Spring 2019 **African American Vernacular English**, *Stanford University*  
Teaching Assistant for undergraduate sociolinguistics course (LING 65)
- Winter 2019 **From Languages to Information**, *Stanford University*  
Course Assistant for undergraduate NLP course (CS 124)
- Winter 2018 **From Languages to Information**, *Stanford University*  
Exam grader for undergraduate NLP course (CS 124)

## Guest Lectures

- Fall 2023 **Political Dogwhistles and Language Technology**, *University of Chicago*  
Course: Language and Politics
- Winter 2022 **Computational Sociolinguistics**, *Stanford University*  
Course: Linguistics Capstone Seminar
- Spring 2019 **Representations of African American English in Disney Films**, *Stanford University*  
Course: African American Vernacular English

## Volunteer

- 2014 – 2018 English as a Second Language Tutor for Stanford custodial staff
- 2014 – 2017 Mathematics and writing tutor for middle school students in East Palo Alto

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## Professional Service

- Reviewing*
- ACL Rolling Review (2022-2024)
  - Journal of Quantitative Description (2024)
  - Information Processing and Management (2023)
  - International Journal of Press/Politics (2023)
  - ICWSM (2024)
  - EMNLP (2022)
  - NAACL (2022)
  - ACL (2021)
  - NLP for Positive Impact Workshop (2021, 2022)
  - NLP+CSS Workshop (2020, 2022, 2024)
  - IC2S2 (2022, 2024)

*Service* UMSI Doctoral Committee Student Representative (2023-2024)  
UMSI Doctoral Executive Committee (2021-2022)  
EMNLP 2023 Student Volunteer  
EMNLP 2022 Student Volunteer  
NAACL 2022 Student Volunteer

*Memberships* Association for Computational Linguistics (ACL)  
Association for the Advancement of Artificial Intelligence (AAAI)

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## Skills

*Languages* English (native), German (high intermediate), Spanish (high intermediate), Yiddish (intermediate)

*Programming* Python, R, SQL, Java, C/C++, L<sup>A</sup>T<sub>E</sub>X, Praat

*NLP/ML* SpaCy, Pandas, scikit-learn, Tensorflow, PyTorch, Transformers, NLTK, Apache Spark