

Ari Decter-Frain

PHD STUDENT · BROOKS SCHOOL OF PUBLIC POLICY, CORNELL UNIVERSITY

✉ agd75@cornell.edu | 🏠 www.aridecterfrain.com | 🐦 @adecterfrain

Education

Cornell University

Ithaca, NY, USA

PHD POLICY ANALYSIS AND MANAGEMENT

2019 - present

- Committee: Dr. Matt Hall (chair), Dr. Doug Miller, Dr. Michael Macy, Dr. Monica Alexander (U of T)
- Coursework: Econometrics (4 semesters), Microeconomics, Machine Learning for Data Science, Natural Language Processing, Bayesian Statistics, Geospatial Statistics.

London School of Economics

London, UK

MSc INEQUALITIES AND SOCIAL SCIENCE

2016 - 2017

- Advisor: Dr. Aaron Reeves

University of Winnipeg

Winnipeg

BA(H) PSYCHOLOGY

2012 - 2016

- Honors thesis/undergrad advisor: Dr. Jeremy Frimer

Professional Experience

- 2022 **Research Intern**, Spotify
- 2022 **Visiting PhD Student**, Summer Incubator, Max Planck Institute for Demograph Research
- 2021 **Machine Learning Engineer**, Graphika Technologies, Inc.
- 2020 **Data Science for Social Good Fellow**, eScience Institute, University of Washington
- 2020-2021 **Graduate Teaching Assistant**, Public Policy, Cornell University
- 2017-2019 **Product Manager**, Multi Health Systems, Inc.
- 2015-2016 **Undergraduate Laboratory Manager**, Psychology Department, University of Winnipeg
- 2013-2015 **Undergraduate Research Assistant**, Psychology Department, University of Winnipeg

Publications

PUBLISHED

- Decter-Frain, A.**, Barash, V. 2023. "Using Knowledge Graphs to Detect Partisanship in Online Political Discourse". In: Cherifi, H., Mantegna, R.N., Rocha, L.M., Cherifi, C., Micciché, S. (eds) Complex Networks and Their Applications XI. COMPLEX NETWORKS 2016 2022. Studies in Computational Intelligence, vol 1077. Springer, Cham. https://doi.org/10.1007/978-3-031-21127-0_5
- Decter-Frain, A.**, Sachdeva, P., Collingwood, Burke, J., Murayama, H., Barreto, M., et al. 2023. "Comparing Methods for Estimating Demographics in Racially Polarized Voting Analyses". Sociological Methods & Research. <https://doi-org.proxy.library.cornell.edu/10.1177/00491241231192383>
- Acolin, A., **Decter-Frain, A.**, & Hall, M. 2022. "Small-Area Estimates from Consumer Trace Data". Demographic Research, 47, 843-882. <https://dx.doi.org/10.4054/DemRes.2022.47.27>
- Acolin, A., Crowder, K., **Decter-Frain, A.**, Hajat, A., and Hall, M. 2022. "Gentrification, Mobility, and Exposure to Contextual Determinants of Health." Housing Policy Debate 0 (0): 1-30. <https://doi.org/10.1080/10511482.2022.2099937>
- Decter-Frain, A.**, Frimer, J. 2016. "Impressive Words: Linguistic Predictors of Public Approval of the U.S. Congress". Frontiers in Psychology, 23, <https://doi.org/10.3389/fpsyg.2016.00240>
- Decter-Frain, A.**, Vanstone, R., Frimer, J. 2016. "Why and how groups create moral heroes". In Eds. S. T. Allison, G. R. Goethals, R. Kramer, Handbook of Heroism and Heroic Leadership. New York: Routledge

CONDITIONALLY ACCEPTED

Decter-Frain, A. 2023. “How should we proxy for race/ethnicity? Comparing Bayesian improved surname geocoding to machine learning methods”. Conditional Accept at Political Science Research Methods
<https://doi.org/10.48550/arXiv.2206.14583>

PREPRINTS

Badolato, L., **Decter-Frain, A.**, Irons, N.J., Miranda, M., Walk., E., Zhalieva, E., et al. 2023. “Predicting individual-level longevity with statistical and machine learning methods”. MPIDR Working Paper WP 2023-008. <https://doi.org/10.4054/MPIDR-WP-2023-008>

Ruch, A., **Decter-Frain, A.**, Batra, R. 2022. Millions of Co-purchases and Reviews Reveal the Spread of Polarization and Lifestyle Politics across Online Markets. <https://doi.org/10.48550/arXiv.2201.06556>

Awards, Fellowships, & Grants

2021-2024	Doctoral Fellowship , SSHRC	CAD\$ 60,000
2022	Departmental Travel Award , Cornell Brooks School of Public Policy	US\$ 700
2017	Hobhouse Memorial Prize for Best Overall Performance , LSE	
2015	Undergraduate Research Fellowship , University of Winnipeg	CAD\$ 4,000

Presentations

** presenting author*

CONTRIBUTED PRESENTATIONS

Decter-Frain, A.*, Alexander, M. 2023. Improving Inter-County Migration Estimates by Combining Census and Consumer Trace Data. Oral Presentation: PAA 2023 Annual Conference. New Orleans, Louisiana, USA

Decter-Frain, A.*, Barash, V. 2022. Using knowledge graphs to detect partisanship in online political discourse. The 11th International Conference on Complex Networks and Their Applications. Palermo, Italy

Decter-Frain, A.*, Acolin, A., Hall, M. 2022. Who Moves During Recessions? Oral Presentation: APPAM 2021 Annual Conference. Austin, TX, USA

Acolin, A., **Decter-Frain, A.***, Hall, M. 2021. Small Area Population Estimates from Consumer Data. Poster: PAA 2021 Annual Conference (Virtual)

Burke, J., **Decter-Frain, A.** Murayama, H., Sachdeva, P. 2020. eiCompare: Comparing BISG to CVAP Estimates in Racially Polarized Voting Analyses. Oral Presentation: PRIEC November 2020 Meeting.