Ari Decter-Frain

PHD CANDIDATE · BROOKS SCHOOL OF PUBLIC POLICY, CORNELL UNIVERSITY

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

Education

Cornell University   *Ithaca, NY, USA*
PHD PUBLIC POLICY   *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., Miccichè, 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-Frian, 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.