

# CONNOR T. JERZAK

## CURRICULUM VITÆ

### 1. Personal Information

Name: Connor T. Jerzak

University Email: [connor.jerzak@austin.utexas.edu](mailto:connor.jerzak@austin.utexas.edu)

Academic Website: [ConnorJerzak.com](http://ConnorJerzak.com)

GitHub: [github.com/cjerzak](https://github.com/cjerzak)

Google Scholar Page: [scholar.google.com/citations?hl=en&user=8mpaH74AAAAJ](https://scholar.google.com/citations?hl=en&user=8mpaH74AAAAJ)

### 2. Academic History

The University of Texas at Austin, 2022–present

- Assistant Professor

Linköping University (Sweden), 2021– 2022

- Postdoctoral Researcher with the AI & Global Development Lab
- Postdoc Advisor: Adel Daoud

Harvard University, 2014–2021

- Ph.D. from the Department of Government (2021)
- A.M. in Statistics (2020)
- Carl J. Friedrich Fellow
- Dissertation Advisors: Kosuke Imai, Gary King (chair), Xiang Zhou

Oberlin College, 2010–2014

- B.A. in History with High Honors
- Overall GPA: 3.96/4.00

### 3. Visiting Positions

Harvard University, 1/2024–6/2024

- Visiting Assistant Professor

University of Gothenburg (Sweden), 8/2021– 7/2022

- Visiting Scholar with the Governance and Local Development (GLD) Institute

### 4. Consulting Work

University of Washington School of Medicine, 2022–present

- Institute for Health Metrics & Evaluation (IHME)

### 5. Ph.D. Dissertation

Political Methodology Tools for Data Linkage, Effect Estimation, and Statistical Inference.

[dash.harvard.edu/handle/1/37368413](https://dash.harvard.edu/handle/1/37368413)

## 6. Peer-reviewed Publications

### *In Proceedings*

- [2.] Jerzak, Connor T., Fredrik Johansson, and Adel Daoud. (2023) Image-based Treatment Effect Heterogeneity. *Proceedings of the Second Conference on Causal Learning and Reasoning (CLearR), Proceedings of Machine Learning Research (PMLR)*, 213: 531-552.
- [1.] Daoud, Adel, Connor T. Jerzak, and Richard Johansson. (2022) Conceptualizing Treatment Leakage in Text-based Causal Inference. *Proceedings of the Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*, 5638-5645.

### *In Journals*

- [5.] John Gerring, Connor T. Jerzak, and Erzen Öncel. The Composition of Descriptive Representation. *American Political Science Review*, 1-18.
- [4.] Jerzak, Connor T., Anton Strezhnev, and Gary King. (2023) An Improved Method of Automated Nonparametric Content Analysis for Social Science. *Political Analysis*, 31(1): 42-58.
- [3.] Jerzak, Connor T. and Brian Libgober. (2020) The impact of a transportation intervention on electoral politics: Evidence from E-ZPass. *Research in Transportation Economics*, 80: 1-14.
- [2.] Jerzak, Connor T. (2014) The EU's Democratic Deficit and Repeated Referendums in Ireland. *International Journal of Politics, Culture, and Society*, 27(3): 367-388.
- [1.] Jerzak, Connor T. (2013) Ultras in Egypt: State, Revolution, and the Power of Public Space. *Interface*, 5(2): 240-262.

## 7. Book Chapters

- [1.] Jerzak, Connor T. (2022) Football fandom in Egypt. In: Reiche, Danyel and Paul Brannagan (eds.) *Routledge Handbook of Sport in the Middle East*. Oxfordshire, UK, Routledge.

## 8. Preprints

- [2.] Connor T. Jerzak, Fredrik Johansson, and Adel Daoud. Integrating Earth Observation Data into Causal Inference: Challenges and Opportunities. *ArXiv Preprint*, 2023. [arxiv.org/pdf/2301.12985.pdf](https://arxiv.org/pdf/2301.12985.pdf)
- [1.] Brian Libgober and Connor T. Jerzak. Linking Datasets on Organizations Using Half A Billion Open Collaborated Records. *ArXiv Preprint*, 2023. [arxiv.org/pdf/2302.02533.pdf](https://arxiv.org/pdf/2302.02533.pdf)

## 9. Software Packages

- [5.] **fastrerandomize**: An R Package for Ultra-fast Rerandomization Using a JAX Backend [github.com/cjerzak/fastrerandomize-software](https://github.com/cjerzak/fastrerandomize-software)
- [4.] **causalimages**: An R Package for Causal Inference with Earth Observation, Bio-medical, and Social Science Images. [github.com/cjerzak/causalimages-software](https://github.com/cjerzak/causalimages-software)
- [3.] **DescriptiveRepresentationCalculator**: Descriptive Representation Calculator from “The Composition of Descriptive Representation.” [github.com/cjerzak/DescriptiveRepresentationCalculator-software](https://github.com/cjerzak/DescriptiveRepresentationCalculator-software)
- [2.] **LinkOrgs**: An R Package for Linking Datasets on Organizations Using Half a Billion Open-Collaborated Records. [github.com/cjerzak/LinkOrgs-software](https://github.com/cjerzak/LinkOrgs-software)
- [1.] **readme2**: An R Package for Improved Automated Nonparametric Content Analysis for Social Science. [github.com/iqss-research/readme-software](https://github.com/iqss-research/readme-software)

## 10. Data Assets

- [5.] *Data for: Integrating Earth Observation Data into Causal Inference: Challenges and Opportunities.* [doi.org/10.7910/DVN/QLCSVR](https://doi.org/10.7910/DVN/QLCSVR)
- [4.] *Data for: The Composition of Descriptive Representation.* [doi.org/10.7910/DVN/BIQZNT](https://doi.org/10.7910/DVN/BIQZNT)
- [3.] *Data for: Image-based Treatment Effect Heterogeneity.* [doi.org/10.7910/DVN/O8XOSF](https://doi.org/10.7910/DVN/O8XOSF)
- [2.] *Data for: An Improved Method of Automated Nonparametric Content Analysis for Social Science.* [doi.org/10.7910/DVN/AVNZR6](https://doi.org/10.7910/DVN/AVNZR6)
- [1.] *Data for: The Impact of a Transportation Intervention on Electoral Politics: Evidence from E-ZPass.* [doi.org/10.7910/DVN/M2HQRM](https://doi.org/10.7910/DVN/M2HQRM)

## 11. Invited Talks

- [1.] “An Improved Method of Non-parametric Content Analysis for Social Science.” Given at the Learning to Quantify: Methods and Applications (LQ 2021) Workshop, Colocated with the 30th ACM International Conference on Information and Knowledge Management (CIKM 2021)

## 12. Internships

Adobe Research, San Jose, California, 2017  
· Internship Advisor: Nikos Vlassis

## 13. Professional Service

Hiring Committee:

- Fall 2023, Methods Line, Department of Government, University of Texas at Austin

Program Committee:

- Learning to Quantify: Methods and Applications (LQ 2021) Workshop, Colocated with the 30th ACM International Conference on Information and Knowledge Management (CIKM 2021)

Reviewer:

- *American Journal of Political Science (AJPS)*
- *American Political Science Review (APSR)*
- *Conference on Neural Information Processing Systems (NeurIPS)*
- *International Conference on Machine Learning (ICML)*
- *Journal of Classification*
- *Political Analysis*

## 14. Honors and Awards

Honorable Mention, Tom Ten Have Award, Society for Causal Inference, 2023

Collaborative project recognized as a Top 100 research initiative with potential for significant societal impact by the Royal Swedish Academy of Engineering Sciences, 2023

Top 10% Reviewer Award, International Conference on Machine Learning (ICML), 2022

Carl J. Friedrich Fellowship, 2014–2016 (Harvard University)

Phi Beta Kappa, 2014

NSF REU Scholarship, 2013

Rhodes Scholar Finalist, 2013

US-UK Fulbright Summer Fellowship, 2012

John Frederick Oberlin Scholarship, 2010-2014

Winner, Concerto Contest, Green Bay Youth Symphony, 2010

- Felix Mendelssohn’s Piano Concerto No. 1 in G minor, Opus 25

## 15. Grants

Center for American Political Studies (CAPS) Graduate Seed Grant (\$995; Harvard University, 2021)  
Center for American Political Studies (CAPS) Graduate Seed Grant (\$625; Harvard University, 2016)  
Comfort Starr Prize in History (\$200; Oberlin College, 2014)  
Artz Research Grant (\$1,000; Oberlin College, 2014)

## 16. Professional Societies

Member:

- American Political Science Association
- Society for Political Methodology

## 17. Teaching

### University of Texas at Austin

Gov 385L - Making Big Data (*graduate level*)  
Instructor: Spring 2023

Gov 390K - Machine Learning in Political Science (*graduate level*)  
Instructor: Fall 2022

Gov 390L - Introduction to Statistics I (*graduate level*)  
Instructor: Fall 2022, Fall 2023

### University of Tokyo

Introduction to Quantitative Social Science (*undergraduate level*)  
Teaching Assistant: Summer 2021

### Harvard University

Gov 2003 - Topics in Quantitative Methods (*graduate level*)  
Teaching Fellow: Spring 2019  
Average student evaluation: 4.8/5  
*Harvard Certificate of Distinction in Teaching Award*

Gov 2000 - Introduction to Quantitative Methods I (*graduate level*)  
Teaching Fellow: Fall 2018  
Average student evaluation: 4.8/5  
*Harvard Certificate of Distinction in Teaching Award*

Gov 62 - Research Practice in Qualitative Methods (*undergraduate level*)  
Teaching Fellow: Spring 2018  
Average student evaluation: 4.6/5  
*Harvard Certificate of Distinction in Teaching Award*

Harvard Government Department - Math Camp for Incoming Graduate Students (*graduate level*)  
Instructor: Summer 2016, Summer 2017

Gov 2002 - Topics in Advanced Quantitative Methodology (*graduate level*)  
Teaching Fellow: Fall 2016  
Average student evaluation: 4.2/5

## **18. Research Assistance**

National Identification Number Project - Harvard T.H. Chan School of Public Health, 2015-2016  
Prof. Robert Bates - Harvard University, Department of Government, 2015-2016  
Prof. Beth Simmons - University of Pennsylvania, Political Science Department, 2015  
Prof. Gary King - Harvard University, Department of Government, 2015

## **19. Other Training**

ICPSR (University of Michigan), June–August 2014  
· Certificates in Time Series Analysis (A+) & Maximum Likelihood Estimation (A)  
NSF REU in World Politics, June–August 2013  
Oberlin College Writing Associate Training, 2012

## **20. Patents**

US20190377784A1 (with Gary King and Anton Stezhnev) Automated nonparametric content analysis for information management and retrieval. Granted November 29, 2022.

Updated September 21, 2023