

NATHAN SELTZER

nathan.seltzer@nyu.edu | nathanseltzer.github.io

ACADEMIC APPOINTMENTS

University of California, Berkeley
National Institute on Aging T32 Postdoctoral Scholar
Department of Demography
Berkeley Population Center
April 2020 – April 2022

EDUCATION

University of Wisconsin-Madison
Ph.D., Sociology, April 2020
Dissertation: The Population Effects of U.S. Deindustrialization
Committee: Jenna Nobles (Chair), Myra Marx Ferree, Christine Schwartz,
Rourke O'Brien, Jim Raymo

New York University
M.A., Applied Quantitative Research, September 2014

Tulane University
B.A., Sociology and French, Minor in Urban Studies, May 2011

INDUSTRY ROLE

Prologis
Data Scientist → Senior Data Scientist
Advanced Analytics Team
May 2022 – Present

RESEARCH AREAS

Labor Market Inequality, Health Disparities, Demography, Data Science and Computational Methods

PUBLICATIONS

Peer-Reviewed Articles

Breen, Casey F., and **Nathan Seltzer**. 2026. "Structured Inequality, Uncertain Lifespans: Demographic Perspectives on Predicting Individual-Level Longevity." *Population and Development Review*. [\[Article\]](#)

Seltzer, Nathan. 2024. "Cohort-Specific Experiences of Industrial Decline and Intergenerational Income Mobility." *Social Forces*, 102(4): 1223–1248. [\[Article\]](#)

Seltzer, Nathan. 2020. "The Economic Underpinnings of the Drug Epidemic." *Social Science and Medicine – Population Health*. 100679. [\[Article\]](#) [\[Pre-Print\]](#)

O'Brien, Rourke, Tiffany Neman, **Nathan Seltzer**, Linnea Evans, and Atheendar Venkataramani. 2020. "Structural Racism, Economic Opportunity, and Racial Health Disparities: Evidence from U.S. Counties." *Social Science and Medicine – Population Health*, 11: 1-6. [\[Article\]](#)

Seltzer, Nathan. 2019. "Beyond the Great Recession: Labor Market Polarization and Ongoing Fertility Decline in the United States." *Demography*, 56(4): 1463-1493. [\[Article\]](#) [\[Pre-Print\]](#)

- Honorable Mention, 2020 ASA Section on Sociology of Population [Student Paper Award](#)
- Winner of 2017 [IPUMS-USA Research Award](#) for Best Work by a Graduate Student

Seltzer, Nathan and Jenna Nobles. 2017. "Post-Disaster Fertility: Hurricane Katrina and the Changing Racial Composition of New Orleans." *Population and Environment*, 38(4): 465-490. [\[Article\]](#) [\[Pre-Print\]](#)

- Press: [Washington Post](#)

Brook, Judith, Chenshu Zhang, **Nathan Seltzer**, and David Brook. 2015. "Insomnia in Adults:

The Impact of Earlier Cigarette Smoking from Adolescence to Adulthood.” *Journal of Addiction Medicine*, 9(1): 40-45.

Brook, Judith, David Brook, Chenshu Zhang, **Nathan Seltzer**, and Stephen Finch. 2013. “Adolescent ADHD and Adult Physical and Mental Health, Work Performance, and Financial Stress.” *Pediatrics*, 131(1): 5-13.

Brook, Judith, Jung Yeon Lee, Stephen J. Finch, David W. Brook, and **Nathan Seltzer**. 2013. “Adult Work Commitment, Financial Stability, and Social Environment as Related to Marijuana Trajectories Beginning in Adolescence.” *Substance Abuse*, 34(3):298-305

Brook, Judith, Jung Yeon Lee, Elizabeth Rubenstone, Stephen J. Finch, **Nathan Seltzer**, and David Brook. 2013. “Longitudinal Determinants of Substance Use Behaviors.” *Journal of Urban Health*, 90(6): 1130-1150.

Brook, Judith, Chenshu Zhang, Elinor Balka, **Nathan Seltzer**, and David W. Brook. 2013. “Personality Characteristics in the Mid-Forties Predict Women's Smoking Cessation in their Mid-Sixties.” *Psychological Reports*, 113(3): 921-929.

Working Papers

Wrigley-Field, Elizabeth and **Nathan Seltzer**. “Unequally Insecure: Rising Black/White Disparities in Job Displacement, 1981-2017.” [[Working Paper – Washington Center for Equitable Growth](#)]

Seltzer, Nathan. “Labor Market Shocks and Declining Fertility Rates: A Research Note.”

Seltzer, Nathan. “The Intergenerational Consequences of Climate Change on Later Life Mortality: Evidence from Individual-Level U.S. Death Records.” [[Working Paper – SocArXiv](#)]

Nobles, Jenna and **Nathan Seltzer**. “Finding and Characterizing the Displaced: A Method Using Administrative Data.”

Seltzer, Nathan. “Less Trust, Moore Verification: Determining the Accuracy of Third-Party Data through an Innovative Use of Attention Checks.” [[Working Paper - SocArXiv](#)]

Public Sociology

Seltzer, Nathan. “Post-Pandemic Fertility: Lessons from the Great Recession.” Written remarks from presentation to the United Nations Population Division Expert Group Meeting on the Impact of the COVID-19 Pandemic on Fertility. 5/11/2021. <https://osf.io/preprints/socarxiv/3pcqh>

Seltzer, Nathan. “Less Trust, Moore Verification: Attention Checks Reveal Errors in Alabama Poll Data”. Guest Blog Post. Scatterplot, 12/8/2017. <https://scatter.wordpress.com/2017/12/08/less-trust-moore-verification-attention-checks-reveal-errors-in-poll-data/>

AWARDS, GRANTS, and FELLOWSHIPS

2021
2020
2020
2019-2020

Katherine DuPre Lumpkin Dissertation of the Year Award, UW-Madison Sociology Department
Berkeley Research Impact Initiative Award, UC Berkeley Library
Honorable Mention, ASA Section on Sociology of Population Graduate Student Paper Award
NIA Ruth L. Kirschstein National Research Service Award, National Institute on Aging Predoctoral Traineeship

2019-2020	University Fellowship , “Awarded by the Graduate School to a few outstanding entering students and dissertators,” University of Wisconsin-Madison
2018-2020 2018	Robert M. and Taissa S. Hauser Research Scholar Award , UW-Madison Sociology Department IPUMS Research Award , for “Beyond the Great Recession: Labor Market Polarization and Ongoing Fertility Decline in the United States”
2017-2018	NICHD Ruth L. Kirschstein National Research Service Award , National Institute of Child Health and Human Development Predoctoral Traineeship
2017-2018	SSA/NBER Research Grant , Determinants of Life Expectancy by Income and Geography, Social Security Administration and National Bureau of Economic Research
2015-2016	University Fellowship , “Awarded by the Graduate School to a few outstanding entering students and dissertators,” University of Wisconsin-Madison

AFFILIATIONS

2016 – 2020	Graduate Research Fellow , Institute for Research on Poverty, University of Wisconsin-Madison
2015 – 2020	Predoeorol Traineo/Affiliate , Center for Demography and Ecology, University of Wisconsin-Madison

PRESENTATIONS

August 2022. Casey Breen and **Nathan Seltzer**. “Using Machine Learning Algorithms to Predict Age of Death.” American Sociological Association Annual Conference, Los Angeles, CA. Oral Session.

April 2022. **Nathan Seltzer**. “Labor Market Shocks and Declining Fertility Rates.” Population Association of America Annual Conference, Atlanta, GA. Oral Session – Flash Talk.

May 2021. **Nathan Seltzer**. “Post-Pandemic Fertility: Lessons from the Great Recession.” United Nations Population Division Expert Group Meeting on the Impact of the COVID-19 Pandemic on Fertility. Virtual/New York.

May 2021. **Nathan Seltzer**. “The Intergenerational Consequences of Climate Change on Later Life Mortality: Evidence from Individual-Level U.S. Death Records.” Population Association of America Annual Conference, Virtual. Oral Session.

Apr. 2020. **Nathan Seltzer**. “Cohort-Specific Experiences of Industrial Decline and Intergenerational Income Mobility.” Population Association of America Annual Conference, Washington, DC. Oral Session. [Presented [virtually](#) due to COVID-19]

Apr. 2020. **Seltzer, Nathan**, Tiffany Neman, and Rourke O’Brien. “Economic Opportunity, Unemployment and Disability: Evidence from the Great Recession.” Population Association of America Annual Conference, Washington, DC. Oral Session – Flash Talk. [Cancelled due to COVID-19]

Dec. 2019. **Seltzer, Nathan**. “The Economic Underpinnings of the Drug Epidemic.” The 20th Anniversary Symposium of the Center for Demography of Health & Aging, University of Wisconsin-Madison. Oral Session – Flash Talk.

Aug. 2019. **Nathan Seltzer**. “The Role of Manufacturing Decline in Drug Overdose Deaths in the US.” American Sociological Association Annual Conference, New York, NY. Roundtable Presentation.

Apr. 2019. Wrigley-Field, Elizabeth and **Nathan Seltzer**. “Rising Black/White Disparities in Job Displacement, 1979-2015.” Population Association of America Annual Conference, Austin, TX. Oral Session. Presenting Author.

Apr. 2019. O’Brien, Rourke, Tiffany Neman, **Nathan Seltzer**, and Atheendar Venkataramani. “Economic Opportunity and Race-Sex Specific Mortality: Evidence From U.S. Localities.” Population Association of America Annual Conference, Austin, TX. Oral Session.

Apr. 2019. Nobles, Jenna and **Nathan Seltzer**. “Finding and Characterizing the Displaced: A Method Using Administrative Data.” Population Association of America Annual Conference, Austin, TX. Oral Session.

Aug. 2018. **Seltzer, Nathan**. “Less Trust, Moore Verification: Determining the Accuracy of Third-party Data through an Innovative Use of Attention Checks.” American Sociological Association Annual Meeting, Philadelphia, PA. Oral Session.

Apr. 2018. **Seltzer, Nathan**. “The Mortality Implications of Disappearing Middle Class Jobs.” Population Association of America Annual Conference, Denver, CO. Oral Session.

Apr. 2018. **Seltzer, Nathan**. “The Mortality Implications of Disappearing Middle Class Jobs.” National Bureau of Economic Research Retirement Research Center Conference on the Determinants of Life Expectancy by Income and Geography: Implications for Social Security. Cambridge, MA. Paper Presentation.

Apr. 2017. **Seltzer, Nathan**. “Differences in Fertility Behavior Across Race and Ethnicity in Metropolitan Areas during the Great Recession.” Population Association of America Annual Conference, Chicago, IL. Oral Session.

Apr. 2017. Marcia J. Carlson, Frank Furstenberg, Sara McLanahan, **Nathan Seltzer** and Alicia VanOrman. “Multipartnered Fertility and Children's Behavioral Outcomes Among Urban U.S. Families.” Population Association of America Annual Conference, Washington, DC. Oral Session.

Oct. 2016. **Seltzer, Nathan**. “Consequences of Adolescent Family Structure on Voter Participation in Adulthood.” Wisconsin Sociological Association Conference, Madison, WI. Oral Session.

Mar. 2016. **Seltzer, Nathan**. “The Effect of Parental Divorce in Adolescence on Voter Participation in Adulthood.” Population Association of America Annual Conference, Washington, DC. Poster Session.

SERVICE

Professional

2017 – 2021

Scribe, Scientific Advisory Board of the General Social Survey

2017 – 2019

Graduate Student Representative, Population Section of the American Sociological Association, elected position

Departmental

2018 – 2020

Technology and Communications Officer, UW-Madison Sociology Graduate Student Association

2016 – 2018

Faculty and Association Relations Officer, UW-Madison Sociology Graduate Student Association

2015 – 2016

Cohort Representative, UW-Madison Sociology Graduate Student Association

2015 – 2017

Curriculum Committee Member, UW-Madison Sociology Department

Reviewer

American Sociological Review, *Demography*, *Demographic Research*, *Journal of Marriage and Family*, *Population and Environment*, *Population Research and Policy Review*, *Social Forces*, *SSM – Mental Health*, *Social Science Research*

SKILLS

Advanced Proficiency:

Python, R, Stata, SQL, Streamlit, Tableau, Markdown, Qualtrics

Familiarity:

LaTeX, NetLogo, ArcGIS, Atlas.ti

Languages:

French (conversational fluency)

WORKSHOPS

July 2017

Spatial Econometrics Workshop. ICPSR, Ann Arbor, MI. Fully funded by SSA/NBER Research Grant.

TEACHING EXPERIENCE

Fall 2018 **Teaching Assistant**
Population Problems, SOC 170, Monica Grant, University of Wisconsin-Madison, Department of Sociology

PRIOR RESEARCH EXPERIENCE

1/2019 – 8/2019 **Research Assistant**
Rourke O'Brien, University of Wisconsin-Madison, La Follette School of Public Affairs

6/2016 – 6/2017 **Research Assistant**
Marcy Carlson, University of Wisconsin-Madison, Department of Sociology

5/2015 – Present **Freelance Data/Statistical Consultant**

8/2014 – 7/2015 **Data Scientist**
New York University, Department of Institutional Research

1/2014 – 8/2014 **Quantitative Data Analysis Student Consultant**
New York University, Data Services

9/2011 – 8/2013 **Research Assistant**
New York University School of Medicine, Behavioral Science and Substance Use Research Group

Spring 2011 **Research Assistant**
Diane Grams, PhD, Assistant Professor of Sociology, Tulane University

EDITORIAL EXPERIENCE

4/2008 – 5/2011 **Editor-in-Chief**
The Tulane Review, Tulane University, New Orleans, Louisiana

Revised: July, 2026