

NATHAN SELTZER

nseltzer@wisc.edu | nathanseltzer.github.io

8128 William H. Sewell Social Sciences Building

1180 Observatory Drive, Madison, WI 53706

EDUCATION

Ph.D. Candidate, Sociology

University of Wisconsin-Madison, May 2020, expected

Dissertation: The Socio-Demographic Implications of Deindustrialization in the U.S.

Committee: Jenna Nobles (Chair), Myra Marx Ferree, Christine Schwartz, Rourke O'Brien (Yale)

M.A., Applied Quantitative Research

New York University, Department of Sociology, September 2014

B.A., Sociology and French, Minor in Urban Studies

Tulane University, May 2011

RESEARCH INTERESTS

Demography, Social Stratification, Labor Markets, Population Health, Computational Methods

PUBLICATIONS

Peer-Reviewed Articles

Seltzer, Nathan. "Beyond the Great Recession: Labor Market Polarization and Ongoing Fertility Decline in the United States." Forthcoming in *Demography*.

- Winner of 2018 IPUMS Research Award for Best Work by a Graduate Student using IPUMS-USA data

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.

- 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.

Manuscripts in Submission

Seltzer, Nathan. "The Association Between U.S. Manufacturing Decline and All-Cause and Drug Overdose Mortality, 1999-2017"

O'Brien, Rourke, Tiffany Neman, **Nathan Seltzer**, and Atheendar Venkataramani. "Structural Racism as a Fundamental Cause of Racial Health Disparities: Evidence from U.S. Localities."

Manuscripts in Preparation

Nathan Seltzer. "Manufacturing Decline and Intergenerational Income Mobility."

Wrigley-Field, Elizabeth and **Nathan Seltzer**. "Rising Black/White Disparities in Job Displacement, 1979-2017."

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

Seltzer, Nathan, Tiffany Neman, and Rourke O'Brien. "Intergenerational Mobility and Disability"

Seltzer, Nathan. "Less Trust, Moore Verification: Determining the Accuracy of Third-Party Data through an Innovative Use of Attention Checks"

Marcia J. Carlson, Frank Furstenberg, Sara McLanahan, **Nathan Seltzer**, and Alicia VanOrman. "Multipartnered Fertility and Children's Behavioral Outcomes Among Urban U.S. Families"

Public Sociology

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

2018-2019 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 2017-2018	NICHD Traineeship , National Institute of Child Health and Human Development 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 – Present	Graduate Research Fellow , Institute for Research on Poverty, University of Wisconsin-Madison
2015 – Present	Graduate Student Trainee/Affiliate , Center for Demography and Ecology, University of Wisconsin-Madison

PRESENTATIONS

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. Paper Presentation. 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. Paper Presentation.

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. Paper Presentation.

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. Paper Session.

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

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. Paper Presentation.

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. Paper Presentation.

Nov. 2016. **Seltzer, Nathan**. “Preschool and K-12 Education.” Sociology 496: Poverty, Inequality and Social Policy. UW-Madison. Madison, WI. Guest Lecture.

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

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 Presentation.

SERVICE

Professional

2017 – Present

Scribe, Executive Board of Overseers of the General Social Survey

2017 – 2019

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

Departmental

2018 – present

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

SKILLS

Advanced Proficiency: R, STATA, SQL, Tableau, Markdown, Qualtrics

Familiarity: Python (NumPy, Scikit-Learn, Pandas), LaTeX, NetLogo, ArcGIS, Atlas.ti, Adobe Creative Suite

Languages: French (conversational fluency)

TEACHING EXPERIENCE

Fall 2018

Teaching Assistant

Population Problems, SOC 170, Monica Grant, University of Wisconsin-Madison, Department of Sociology

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**
- Assist clients with data and statistical analysis projects, including complex survey analyses
- 8/2014 – 7/2015 **Data Modeling Analyst**
New York University, Department of Institutional Research
- Developed and deployed predictive models of undergraduate student yield, financial aid allocation, and tuition revenue
- Wrote R scripts to extract, clean, and transform datasets; programed custom modeling functions to automate and optimize development, validation, and implementation of predictive models
- Applied methodological knowledge of econometric and machine learning techniques, such as random forests, regression trees, and logistic regression, to interpret model performance and effectively communicate results to senior level university administrators including deans and VP's
- 1/2014 – 8/2014 **Quantitative Data Analysis Student Consultant**
New York University, Data Services
- Provided data consultations and guidance on the use of Stata, R, and SPSS to faculty, graduate students, and undergraduate students working on quantitative research projects
- Assisted researchers with complex data management tasks, such as data cleaning and recoding, merging and appending, application of survey weights, and considerations for dealing with missing data
- Taught an introductory/intermediate SPSS course to members of the NYU community, including a specialized two-hour session for a group of 25 PhD-level medical researchers
- 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: June, 2019