

## NATHAN SELTZER

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### EDUCATION

#### **Ph.D. Student in Sociology**

*University of Wisconsin-Madison*, August 2015 - Present

#### **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, Political Sociology, Family Complexity, Quantitative 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*.

- 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 Preparation*

**Seltzer, Nathan.** “Association Between U.S. Manufacturing Decline and All-Cause and Alcohol and Drug Overdose Mortality, 1999-2016”

Wrigley-Field, Elizabeth and **Nathan Seltzer.** “Rising Black/White Disparities in Job Displacement, 1979-2015.”

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

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”

*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.

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  
2017 – 2019

**Scribe**, Executive Board of Overseers of the General Social Survey  
**Graduate Student Representative**, Population Section of the American Sociological Association, elected position

### *Departmental*

2018 – present  
2016 – 2018  
2015 – 2016  
2015 – 2017

**Technology and Communications Officer**, UW-Madison Sociology Graduate Student Association  
**Faculty and Association Relations Officer**, UW-Madison Sociology Graduate Student Association  
**Cohort Representative**, UW-Madison Sociology Graduate Student Association  
**Curriculum Committee Member**, UW-Madison Sociology Department

### *Reviewer (ad-hoc)*

*American Sociological Review*

## SKILLS

Advanced Proficiency: R, STATA, SQL, Tableau, Markdown, Qualtrics  
Familiarity: Python (NumPy, Scikit-Learn, Pandas), LaTeX, 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

6/2016 – 6/2017

**Research Assistant**  
*Mary 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; programmed 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*

- Interpreted statistical analyses, wrote introduction and discussion sections of research articles, compiled bibliography, and drafted paper manuscripts for submission to top public health journals

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: December, 2018