

## **Bryce Bartlett**

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## **EDUCATION**

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*In Progress*, Ph.D., Sociology, Duke University

Vorsanger-Smith Scholar, 2017-2018

*Qualification Areas*: Statistical and Demographic Methods; Medical Sociology

*Dissertation Title*: Well-Being in the Context of Changing Social Landscapes

2015 M.A., Sociology, Duke University

2005 J.D., Washington University School of Law

2002 B.A., English, Brigham Young University

## **PUBLICATIONS**

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Note: \* indicates graduate student or postdoc co-author.

Mueller, Collin\* and Bryce Bartlett. 2017. "Heterogeneity in U.S. Immigration Policy Regimes and Mexican American Functional Limitation Trajectories," *Journals of Gerontology, Series B*, gbx026 (Advance Articles, <https://doi.org/10.1093/geronb/gbx026>).

I developed the statistical models for this paper to describe disability trajectories of older Mexican Americans over 20 years. I conducted legal analysis to operationalize 80 years of US immigration policy. My coauthor (a qualitative researcher) and I are currently developing a follow-up study in spatial analysis.

Copeland, Molly\*, Bryce Bartlett, and Jacob C. Fisher\*. 2017. "Dynamic Associations of Network Isolation and Smoking Behavior." *Network Science* 5(3):257–77.

I developed and described the statistical model and results for this paper. Using novel adjustments to a multivariate Structural Equation Model, this study analyzes the association among 3 dimensions of social isolation and smoking behavior over 8 years.

Greenhalgh-Spencer, Heather\* and Bryce Bartlett. 2010. "Ethical Breach and the Schizophrenic Process: Theorizing the Judge and the Teacher," *Journal of Education Controversy*, 5(2).

*Under Review*

Bryce Bartlett, "Changes in Cause-of-Death Classification and the Medicalization of Aging."  
(Revise and Resubmit *Journal of Aging and Health*)

Scott Lynch and Bryce Bartlett, “Appropriate Confidence Intervals for ‘Eyeballing’ Statistically Significant Differences Between Groups.” (under review)

### **Working Papers**

(Summaries and additional information available at <http://www.brycebartlett.com>)

Bryce Bartlett, “Long Term Benefit or Scar: How Experience with Recessions in Young Adulthood Impacts Subjective Well-Being.”

Bryce Bartlett, “Coevolution of Medical Malpractice Claims and Mortality Due to Complications from Medical Care.”

Bryce Bartlett and Collin Mueller\*, and Raphaël Charron-Chénier, “Budgetary Consequences of High Healthcare Spending Across the Life Course.”

Bryce Bartlett and Cyrus Schleifer, “Projecting Religious Switching in America: A Bayesian Cohort Component Method.”

### **EXPERIENCE**

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Duke University, Social Science Research Institute

September, 2017– Present

#### **Statistical Consultant**

- Consult with 3 faculty in the business school, psychology, and interdisciplinary social science departments on path analysis, general linear models, and growth curves.
- Consult with 8 Masters and PhD Students (public policy, sociology, and economics) on network analysis, interrupted time series, factor analysis, Bayesian Estimation, and Structural Equation Models.
- Advise 4 undergraduate honors students on statistical models. Supervise 1 undergraduate student on spatial regression for policy analysis of mental health interventions by Durham Police Department.

Duke University, Biodemography of Aging Research Unit

May, 2017– Present

#### **Graduate Student Researcher**

- Design statistical analyses for longitudinal and population-based studies that consider individual variability in genes, environment, and lifestyle, with a focus on subjective well-being and depression.

Information Initiative at Duke, Duke University

March, 2017– August, 2017

#### **Project Manager**

- Mentor team of 3 undergraduate interns in analyzing 911 call data and police reports summarizing interactions between Durham Police and populations with Mental Health diagnoses.
- Provide instruction on presentation of technical results to non-technical audiences.
- Project Website: <http://bigdata.duke.edu/projects/mental-health-interventions-durham-police>.

Duke University Arts and Sciences

July, 2016–August, 2016

#### **Instructor**

- Introduction to Sociology. Course Quality: 4.67 out of 5; Instructor Quality: 4.80 out of 5.

Duke University Arts and Sciences, Markets and Management

January, 2013– May, 2013

### **Teaching Assistant**

- Independently prepare requirements for discussion section for students in Markets and Management Capstone (a business simulation course; 2 sections of 20 each).
- Evaluate team performance and decision-making for business simulation.

Husch Blackwell LLP

September, 2005 – August, 2012

### **Associate Attorney (Healthcare, Tort, and IP)**

- Represent long-term care facilities and physicians in medical malpractice claims; represent large pharmacy benefits manager in contract disputes with pharmacies; represent medical imaging manufacturer in products liability and patent infringement lawsuits.
- Prepare and conduct semi-structured interviews of fact witnesses. Prepare and give presentations in court, business settings, and professional meetings.

### **TECHNICAL SKILLS**

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**Methods:** ordinary least squares (OLS) regression, multiple regression, multivariate outcomes, logistic and probit models, factor analysis, survival, time series, hierarchical linear modelling (HLM) / mixed models, mixture modelling, structural equation models (SEM), factor analysis, networks, demographic methods, data visualization, Bayesian estimation, handling complex survey data, handling missing and messy data

**Software:** R, Stata, Plink (genetic analysis), Python (scipy, numpy, pandas), SAS, Mplus, Stan, WinBUGS, SQL, LaTeX

### **GRANTS/AWARDS**

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2017-2018 Fellow, Program for Advanced Research in the Social Sciences  
(Duke Social Science Research Institute)

2017-2018 Vorsanger-Smith Scholar (honorarium)

2013-2017 Demography of Aging T32 Pre-Doctoral Traineeship (5T32AG000139-27)

2016 Population Association of America, Best Poster Award

2014 Second Place ASA Datathon “Big Cities, Big Data” (cash prize)

2012 Duke Sociology Department Fellowship

2005 Breckenridge Book Award – Research and Writing

2005 Charles Wendell Carnahan Award – Conflicts of Law

2005 Order of the Coif

2005 Honor Scholar Award

2003 Honor Scholar Award

### **SELECTED PRESENTATIONS**

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- 2017 “Inoculation or Scar: How Exposure to Recessions as a Young Adult Impacts Subjective Well-Being in Later Life,” IAGG World Congress of Gerontology & Geriatrics, July 27, 2017.
- “Coevolution of Medical Malpractice Claims and Mortality Due to Complications from Medical Care,” Health Law Professors Conference, June 9, 2017.
- “U.S. Immigration Policy Regimes and Physical Disability Trajectories among Mexico-U.S. Immigrants,” Demography Daze at University of North Carolina, Carolina Population Center, May 10, 2017.
- “Cross-Influence of Paid Medical Malpractice Claims and Mortality Due to Complications from Medical Care” Population Association of America Annual Meeting, April 27, 2017.
- “Inoculation or Scar: How Experience with Recessions in Young Adulthood Impacts Subjective Well-Being,” Population Association of America Annual Meeting, April 28, 2017.
- 2016 “Cohort Emergence: Health Impacts of Differential Exposure to Historical Conditions at Critical Periods.” Duke Population and Research Institute, December 1, 2016.
- “Coevolution of Medical Malpractice Claims and Mortality Due to Complications from Medical Care.” Conference on Empirical Legal Studies, November 18, 2016.
- “New Ways to Die in the Age of Biomedicalization: Changes in Cause of Death Classification and the Medicalization of Aging.” Center for the Study of Aging and Human Development Research and Education Retreat, September 30, 2016 (poster).
- “Projecting Religious Switching in America: An Increment-Decrement Life Table Approach.” Population Association of America, March 31, 2016 (poster award).
- 2015 “Heterogeneity in Aging and Health Trajectories among Mexico-Origin U.S. Immigrants.” Gerontological Society of America (paper session), November 19, 2015.
- “Recessive Periods, Job Insecurity, and Psychological Well-Being.” Trainee Development Lunch Workshop at Duke Population Research Institute, October 1, 2015.
- “Budgetary Consequences of High Healthcare Spending Across the Life Course.” American Sociological Association (paper session), August 23, 2015.
- “New Ways to Die in the Age of Biomedicalization: Changes in Cause of Death Classification Rules.” American Sociological Association (paper session), August 22, 2015.

- 2014 “Heterogeneity in Aging and Health Trajectories among Mexico-Origin U.S. Immigrants.” ASA Roundtable, August 18, 2014.
- “San Francisco Neighborhoods,” for ASA Datathon: “Big Cities, Big Data,” August 16, 2014.
- “Observing Medicalization in Cause of Death Reporting,” Southern Sociological Society, April 4, 2014.
- 2013 “Depressive Symptoms, Aspirations, and Expectations,” Jensen Lecture Series: Duke University, April 19, 2013.
- “Religion and Communitarian Attitudes in Pakistan and Iraq,” Duke University Sociology Department, April 17, 2013.

## **PROFESSIONAL SERVICE**

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2016-2017 Graduate Studies Committee, Grad Student Representative  
2014-2015 Graduate Student Forum Co-chair  
2015 Organizing Committee for Gender and Academia Workshops  
2003-2005 Staff Editor/Reviewer, *Washington University Law Quarterly*

## **PROFESSIONAL MEMBERSHIPS**

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American Sociological Association  
Population Association of America  
Society for Empirical Legal Studies  
American Society of Law, Medicine & Ethics  
Gerontological Society of America

## **COURT ADMISSIONS**

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Missouri (Inactive); Illinois (Inactive); U.S. District Court for the Eastern District of Missouri (Inactive); U.S. Court of Appeals for the Eighth Circuit (Inactive); U.S. District Court for the Southern District of Illinois (Inactive)