

Bryce Bartlett

Duke University, Sociology Department
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EDUCATION

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

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

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).

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

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

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

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

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

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

COURT ADMISSIONS

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)