

Nathan E. Fosse, Ph.D.

Institute for Quantitative Social Science
Harvard University
1730 Cambridge Street, #312
Cambridge, MA 02138
fosse@fas.harvard.edu
Tele: +1 339 496-4997

Tufts Interdisciplinary Evaluation Research
Tufts University
574 Boston Avenue. Suites 111 and 106
Medford, MA 02155
nathan.fosse@tufts.edu
Tele: +1-339-224-8817

EDUCATION

Harvard University, Ph.D. in Sociology

Dissertation: “Religion, Romance, and Work: Sources of Resilience among Low-Income Men”

Harvard University, A.M. in Sociology

Qualifying Paper: “Doubt, Duty, Destiny: the Repertoire of Infidelity Among Low-Income, Urban Men”

Generals Exam, with Honors

Kansas State University, B.A. Psychology, with Honors and Phi Beta Kappa

Honors Thesis: “An Economic Manipulation of Trust on Team Problem-Solving”

AREAS OF RESEARCH

Poverty, Resilience, Social Policy

STATISTICAL/QUANTITATIVE EXPERTISE

Continuous and categorical latent variable modeling

Latent class analysis, latent state-trait analysis, latent transition analysis, multilevel latent class analysis, confirmatory factor analysis, structural equation models.

Multilevel modeling

Multilevel measurement models, item response theory, random and fixed effects longitudinal models.

Regression analyses

Exportation and automation of publication-quality tables and graphics of regression output. Regression diagnostics, survival models, longitudinal data analysis.

Data management

Designed and implemented workflow for interdisciplinary collaborative teams to extract, clean, cross-validate, and replicate results to produce research reports. Experience in R and Stata using macros, loops, and export packages to produce automated graphics and deliverables. Experience cleaning and analyzing textual, administrative, survey, opinion, cross-section, and panel data.

Textual analysis

Non-parametric statistical analysis of qualitative textual data, including exportation of Atlas.ti coding schemes to SPSS and to Stata, topical and sentiment analysis using Python and R. Analysis of subgroups with biplots, factor and cluster analysis, discriminant analysis, canonical correlation analysis, and qualitative-comparative analysis.

LANGUAGES

Statistical

Stata 14 SE/IC, Mplus, RStudio/Rcmdr/Rattle, SPSS, SAS, HLM, Latent Gold Advanced/LG-Syntax, fsQCA, Stat/Transfer.

Programming

Python, Ruby, Jekyll, Markdown, LaTeX, R, Stata Mata, ado- and do-files,

Textual

Atlas.ti, NVivo, Paper Machines

Bibliographic

Zotero, Zotfile, Endnote, Refworks, BibTeX

FORTHCOMING

Fosse, Nathan E. 2016. "Biostatistics." *SAGE Encyclopedia of Theory*. Sage Publications, edited by John Mattingly: Thousand Oaks, CA.

Fosse, Nathan E. 2016. "Set Theory." *SAGE Encyclopedia of Theory*. Sage Publications, edited by John Mattingly: Thousand Oaks, CA.

Fosse, Nathan E., and Teru Toyokawa. 2016. "Inter-Institutional Variation in Emerging Adulthood: Does School Selectivity Matter?" *Emerging Adulthood: Special Issue on the Emerging Adults at Multiple Institutions Survey*, edited by Jon Grahe and Alan Reifman. Online supplement, Open Science Framework ([pdf](#)).

Bell, Monica, **Nathan E. Fosse**, Michèle Lamont and Eva Rosen. 2015. "Beyond the Culture of Poverty: Meaning-making among Low-Income Populations around Family, Neighborhood, and Work." *Blackwell Encyclopedia of Race, Ethnicity and Nationalism*, edited by John Stone, Rutledge Dennis, Polly Rizova, and Anthony Smith. Wiley-Blackwell.

PUBLISHED

Raskin, Maryna, **Nathan E. Fosse**, and Ann Easterbrooks. 2015. "Influence of Mother's Depression on Her Reports of Father Involvement and Child Behavioral Problems: A Latent State-Trait Approach." *Infant Mental Health Journal* 36(1): 88-103 ([PubMed](#)).

Fosse, Nathan E. 2010. "The Repertoire of Infidelity Among Low-Income Men: Doubt, Duty, and Destiny." *The ANNALS of the American Academy of Political and Social Science* 629(125): 125–143 ([abstract](#)).

Fosse, Nathan E., and Steven A. Haas. 2009. "Validity and Stability of Self-reported Health Among Adolescents in a Longitudinal, Nationally Representative Survey." *Pediatrics* 123(3): e496–501 ([PubMed](#)).

Haas, Steven A., and **Nathan E. Fosse**. 2008. "Health and the Educational Attainment of Adolescents: Evidence from the NLSY97." *Journal of Health and Social Behavior* 49(2):178–192 ([PubMed](#)).

BOOK REVIEWS

Fosse, Nathan Edward. 2009. "Book Review: Neville Hoad, *African Intimacies: Race, Homosexuality, and Globalization*." *Sexualities* 12: 669 – 670 ([abstract](#)).

Fosse, Nathan Edward. 2009. "Notes from the *Demimonde*: Review of William T. Vollmann's *Poor People*." *Social Problems Forum: The SSSP Newsletter*, 40(2): 6 ([pdf](#)).

RESEARCH REPORTS

Fosse, Nathan E., Jon Grahe, and Alan Reifman. *Forthcoming*. "Markers of Adulthood Subscale Development: Comparative Review and Assessment of Inductive and Deductive Psychometrics." Research report for *Emerging Adulthood: Special Issue on the Emerging Adults at Multiple Institutions Survey*. Open Science Framework. March 2015 ([pdf](#)).

Jacobs, Francine (co-PI); Easterbrooks, Ann (co-PI) Mistry, Jayanthi (co-PI); with Erin Bumgarner, Rebecca Fauth, Jessica Goldberg, Jessica Greenstone, Maryna Raskin, Mariah Contreras, Lerzan Coskun, **Nathan Fosse**, Chie Kotake, Judith Scott. *The Massachusetts Healthy Families Evaluation-2 (MHFE-2): A Randomized Controlled Trial of a Statewide Home Visiting Program for Young Parents: Final Report to The Children's Trust of Massachusetts, Fiscal Year 2014*. Medford, MA: Tufts Interdisciplinary Evaluation Research (TIER). October 2014 ([pdf](#)).

Jacobs, Francine (co-PI); Mistry, Jayanthi (co-PI); Easterbrooks, Ann (co-PI); with Jessica Goldberg, Erin Bumgarner, Maryna Raskin, Mariah Contreras, and **Nathan Fosse** (2014). *The effect of Healthy Families Massachusetts on educational attainment, employment, and life skills*. Medford, MA: Tufts Interdisciplinary Evaluation Research, February 2014.

Easterbrooks, Ann (co-PI); Jacobs, Francine (co-PI); Mistry, Jayanthi (co-PI); with Meg Brady, Erin Bumgarner, Mariah Contreras, Lerzan Coskun, **Nathan Fosse**, Jessica Goldberg, Jessica Greenstone, Chie Kotake, Francesca Longo, Maryna Raskin. *The Massachusetts Healthy Families Evaluation-2 (MHFE-2): A Randomized Controlled Trial of a Statewide Home Visiting Program for Young Parents: Progress Report to the*

Massachusetts Children's Trust Fund, Fiscal Year 2013. Medford, MA: Tufts Interdisciplinary Evaluation Research, October 7, 2013 ([pdf](#)).

PROJECT MANAGEMENT AND RESEARCH EXPERIENCE

Postdoctoral Research Associate, YouthBEAT Consortium on Arts and Youth Development, April 2015–Present.

Research with Program Director assessing the impact of after-school and summer music programs on youth development. Deliverables consist of an interim report, final report, and compilation of research materials on interdisciplinary research investigating music participation, racial and ethnic identity and youth development.

Research Analyst, Tufts Interdisciplinary Evaluation Research (TIER), Eliot-Pearson Department of Applied Child Development, Tufts University, June 2013–June 2015.

Directed analysis of MHFE-2 (Massachusetts Healthy Families Evaluation Projects, Phase 2), a three-panel longitudinal, randomized control-trial of the effect of home visiting services on the wellbeing and social functioning of Massachusetts teen mothers and their children. Duties include data cleaning, psychometric scale construction, reliability and validity testing, analysis of contamination in control group, multilevel models examining the effect of program participation by program type, longitudinal moderation and mediation analysis, examination of threshold effects using piecewise regression, graphing point estimates, predicted probabilities, and marginal means, latent class and hierarchical agglomerative cluster analysis of program utilization, exportation of summary results to Excel, and write up and presentation of results.

Statistical/Research Consultant, Community Research Initiative of New England and Harbor Health, Inc. April 2015.

Provided needs assessment analyses and consultation for needs-based assessment of the Medical Case Management Training and Capacity Building Project for the Boston Public Health Commission (BPHC). Consultation with team regarding best practices of research. Data cleaning, coding, management, provide summary of analyses for Word and PowerPoint documents, participate in conference calls and meetings regarding final report. Financial support for this program provided by the New England AIDS Education and Training Center, funded by the US Department of HHS, Health Resources and Services Administration; Federal Grant Award #6H4AHA00050.

Statistical/Research Consultant, YouthBEAT Research and Evaluation Project, Eliot-Pearson Department of Applied Child Development, Tufts University, December 2013 – April 2014.

Managed all aspects of data cleaning and statistical analysis to understand the impact of the Berklee City Music Program on youth development. Major aspects of consultation involve data organization, merging qualitative and quantitative data sets, scale and item construction, generation of a master codebook to describe qualitative and quantitative items.

Statistical Analyst and Project Manager, Responses to Racism Study, Department of Sociology, Harvard University, October 2011–June 2013

Organized and managed data analysis, produced tables and statistical analysis for book-length project comparing the experiences of racism in the United States, Brazil, and Israel. Managed and trained five undergraduate research assistants in using Atlas.ti to code data, and trained two undergraduate research assistants in using Zotero for bibliographic management. Duties also included survey data input and cleaning, merging survey data with qualitative codes, mediation and moderation analysis, canonical correlation analysis, and Boolean configurational analysis.

Research Associate, Achievement Gap Initiative, Kennedy School of Government, Harvard University, 2010–2012

Conducted statistical analysis and data management on the Tripod Project ([link](#)), a survey of over 100,000 children in classrooms. Provided analysis of the Making Effective Teachers' Survey ([link](#)), a large, experimental project funded by the Gates Foundation. Work included participating in project planning meetings, providing factor and regression analyses of classroom quality indices, as well as providing analyses of the Tripod data to explicate racial and ethnic educational disparities in high school.

Research assistant to Steven A. Haas, Harvard School of Public Health, 2006–2007

Used SAS and Stata to examine health disparity patterns in the National Longitudinal Study of Youth, 1997. Analysis included multiple imputation for missing data, reshaping data from long to wide form, creating and exporting tables with Stata.

Research assistant to Jason Kaufman, Department of Sociology, Harvard University, 2004–2007

Conducted analysis on the restricted version of NELS:88. Duties included parameter estimation, power analysis, merging and appending data, and testing for multi-collinearity.

Research assistant to Christopher Jencks, Kennedy School of Government, Harvard University 2005

Examined predictors of mortality using hazard models in the National Health Interview Study linked to the National Death Index (NDI).

SELECTED AWARDS AND HONORS

Semi-Finalist, Data Incubator Fellow, November 2014.

Canadian Institute for Advanced Research, Global Scholar postdoctoral fellowship, Award Number SSP-LAMO-131346 (\$116,666), 2011–2013.

Canadian Institute for Advanced Research, Research Support Grant, Award Number SSP-LAMO-131346 (\$8,750), 2011–2013.

National Science Foundation Doctoral Dissertation Research Improvement Grant,

Award Number SES-1031612 (\$8,365), 2010–2011.
 GSAS Dissertation Completion Grant, Harvard Graduate School of Arts and Sciences (\$28,000), 2010–2011.
 National Science Foundation Integrative Graduate Education and Research Traineeship (IGERT) Dissertation Fellowship, Award Number 9870661, Harvard Kennedy School of Government, (\$30,000), 2007–2008.
 National Science Foundation IGERT Visiting Research Grant, Award Number 9870661, Centre for Analysis of Social Exclusion (CASE), London School of Economics (\$6,000), Summer 2006.
 Rappaport Institute for Greater Boston Research Grant (\$2,000), 2005
 Honorable Mention, National Science Foundation Graduate Research Fellowship, 2005
 Summer Research Grant, Harvard Department of Sociology (\$6,000), 2003–2005.
 Second Place Award in Psychology, Sigma Xi Scientific Research Society, 2002.
 Rotary International Scholarship for Public Service (\$2,000), 2002.

PROFESSIONAL SERVICE

Reviewer, *The American Sociological Review*, *American Journal of Public Health*, *Social Problems*, *The Journal of Marriage and Family*, *Sociological Perspectives*, *Journal of Health and Social Behavior*, *Journal of Contemporary Ethnography*, *Sociological Theory*, *BMC Pediatrics*, *Emerging Adulthood*, *Family Relations*, *Journal of Adolescent Health*
 Reporter, Inter-disciplinary Approaches to Resilience Working Group, Center on the Developing Child, Harvard University, 2009–2012
 Organizer/website developer, Harvard/Oxford/Stockholm Aage Sørensen Memorial Conference, 2008. Conference Theme: “New Frontiers on Social Exclusion and Inequality” (www.wjh.harvard.edu/~hos/)
 Tutorial Board, Department of Women, Gender, and Sexuality, Harvard University, 2007
Rapporteur, Successful Societies Toronto Meeting, Canadian Institute for Advanced Research, 2006
 Graduate Student Representative, Harvard Graduate School of Arts and Sciences, 2005
 Coordinator and organizer, Harvard Department of Sociology Culture Colloquium, 2003–2004

HEAD TEACHING EXPERIENCE

Community Research: Topics in Social Exclusion, Harvard University. Spring 2007, Fall 2007, Spring 2009.
 Designed course syllabi, wrote and presented weekly lectures, led class discussions, graded papers, and supervised student research projects and volunteer work. Supervised Teaching Fellow Assigned to the course for one term due to high enrollment.

Sophomore Tutorial, Classical and Contemporary Theory for Sociology Concentrators, Harvard University. Spring 2006.
 Led weekly seminars for two tutorial groups each semester, taught and discussed sociological theory, graded papers, and helped design the final exam.

OTHER TEACHING EXPERIENCE

Head Teaching Assistant, Tufts University, Spring 2009: Soc 108: Plagues, Peoples, and Politics

Exam Reader, Committee on Degrees in Social Studies, Harvard University, 2006–2010

Teaching Fellow, Harvard University, Fall 2006: Introduction to Medical Sociology

Teaching Fellow, Harvard University, Fall 2005: Media and the American Mind

Teaching Assistant, Kansas State University, Spring 2003: Abnormal Psychology

THESIS ADVISING*

Alexa Howitt. 2010. “Strategies of Nonprofit, Performing Arts Organizations under Economic Stress and Uncertainty.” Committee on Degrees in Social Studies, Harvard University.

Joseph William Stanley. 2010. “Health conscious: an examination of the 2006 Massachusetts Health Care Reform and its Lessons for America.” Committee on Degrees in Social Studies, Harvard University.

Ralph Carter Mayrell.* 2009. “The Framing of Welfare.” Committee on Degrees in Social Studies, Harvard University. High Honors.

Kareemah Love Sabur (First Reader). 2009. “The Least of Us: Race and First-Generation Status at an Ivy League College.” Department of Sociology, Harvard College.

Mia Morgenstern.* 2008. “Liberal Education on Trial: The Case of Argentina’s Public Universities.” Committee on Degrees in Social Studies, Harvard University. High Honors.

Ashley Marie Pletz. 2008. Department of Sociology, Harvard College. “Commercialized injustice: portraits of agency and vulnerability in non-profit advertising.” Committee on Degrees in Social Studies, Harvard University.

Shannon Kelly. 2007 “Fan Cultures and the Frankfurt School” Committee on Degrees in Social Studies, Harvard University.

Julia Morton. 2007.* “Cultural Capital in the UK Capital.” Committee on Degrees in Social Studies, Harvard University.

Melanie Tortoroli. 2007. “The Meaning of Place for American Writers Living Abroad.” Committee on Degrees in Social Studies, Harvard University.

* Indicates Highest Honors; all advisees graduated with Honors.

PROFESSIONAL AFFILIATIONS

Global Scholar Alumnus, [CIFAR](#), 2013–Present
Research Associate/*Chercheur associé*, [Umalis Lab](#), 2013–Present
Institute for Quantitative Social Sciences ([IQSS](#)), Affiliate and Fellow, 2008–Present
Inequality Fellow, Multidisciplinary Program in Inequality & Social Policy, Harvard
Kennedy School of Government, 2003–2011
Population Association of America, 2008–Present
National Council on Family Relations, 2008–Present
American Sociological Association, 2003–Present
Interdisciplinary Consortium on Urban Planning and Public Health, 2008–2010

FOREIGN LANGUAGES

Spanish: fluent.

Spanish Intensive Language Certificate, *University of Málaga, Spain*. 2002

French: fluent.

SELECTED PRESENTATIONS

Fosse, Nathan E. “Responses to Workplace Discrimination and Mental Health: Findings from a Mixed-Methods Study of African-Americans” Paper presentation at Section on Social Psychology Roundtable (co-sponsored with the Section on Sociology of Emotions). American Sociological Association Annual Meeting. Chicago, IL. August, 2015.

Fosse, Nathan E. “How do Working-Class and Middle-Class African-Americans Respond to Workplace Discrimination, and is this Important for Understanding Variability in Mental Health?” Roundtable: Race and Workplace Inequality, Eastern Sociological Society, Annual Meeting. New York, NY. February 27, 2015.

Jayanthi Mistry, Ann Easterbrooks, Erin Bumgarner, Maryna Raskin, Jessica Goldberg, Francine Jacobs, Nathan Fosse, Jana Chaudhuri, Rebecca Fauth. Paper Symposium, “Adolescent Mothers: Preventative Home Visiting Intervention to Support Developmental Goals.” Society for Research in Child Development Biennial Meeting. Philadelphia, PA. March 20, 2015.

Jessica Goldberg, Erin Bumgarner, Francine Jacobs, Mariah Contreras, Nathan Fosse, Maryna Raskin, Ann Easterbrooks, Jayanthi Mistry. “Measuring Program Fidelity in MHFE-2 Home Visiting Program.” Paper Symposium, “Adolescent Mothers: Preventative Home Visiting Intervention to Support Developmental Goals.” Society for Research in Child Development Biennial Meeting. Philadelphia, PA. March 20, 2015.

Maryna Raskin, Nathan E. Fosse, Ann Easterbrooks, Erin Bumgarner. “Heterogeneity and Instability of Relationship Configurations in Adolescent Parents: A Latent Transition Analysis.” Paper Symposium, “Longitudinal Trajectories and Typologies of Fathers’ Involvement in Co-parenting in Infancy and Early Childhood.” Society for Research in Child Development Biennial Meeting. Philadelphia, PA. March 21, 2015.

Fosse, Nathan. "How At-Risk Men Maintain Religious Hope: Ontological, Relational, and Transformational Narratives." Paper presented at the regular session on "Everyday Religion" at the American Sociological Association annual meeting. San Francisco, CA. August 18, 2014.

Fosse, Nathan. "Grammars of Graphics: Resources for Visualizing Tabular Data." Presented at the Global Scholars Annual Meeting, Canadian Institute for Advanced Research. Banff, Canada. February 2013.

Fosse, Nathan. "Identity and Academic Attainment." Presented at the Global Scholars Annual Meeting, Canadian Institute for Advanced Research. Banff, Canada. February 2013.

Fosse, Nathan. "Occupations as Sources of Hope Among the Urban Poor." Presented at Successful Societies Meeting, CIFAR. Cambridge, MA. February 2012.

Fosse, Nathan, and Ronald Ferguson. "Differences in Classroom Behavior Among Black and White Youth: Findings from the Tripod Study." Presented at the Black Youth Culture Workshop. Harvard University. Cambridge, MA. February 2011.

Fosse, Nathan. "Life Course Contingencies and Fertility Intentions Among Low-Income Men: the Role of Relationships." Presented at the general session "Fertility" at the annual meeting of the American Sociological Association. Atlanta, GA. August 2010.

Fosse, Nathan. "Understanding Compensatory Masculinity from a Cultural Sociological Perspective." Presented at the Yale Center for Cultural Sociology Annual Conference. Hartford, CT. April 2010.

Fosse, Nathan. "The Predictability and Reliability of Self-Reported Health Among Children and Adolescents." Presented at the general session "Health" at the Eastern Sociological Society Annual Meeting. Baltimore, MD. March 2009.

Fosse, Nathan. "Understanding Sexual Risk and Fatherhood Among Marginalized Youth." Invited Lecture to the Boston Area Network on Fatherhood and Social Policy, sponsored by the Fatherhood Initiative at the Children's Trust Fund. Boston, MA. October 2009.

Fosse, Nathan. "Love, Sex, and Marriage Among the Poor." Invited lecture to Harvard Extension School course on Love and Intimacy, taught by Prof. Neil Gross. April 2007.

Gabler, Jay; Jason Kaufman; Nathan Fosse. "Information, Aspirations, and Cultural Capital in the College Attainment Process: Application, Admission, and Matriculation at Elite and Non-Elite Schools." Paper presented at the session on "Inequality and Culture" at the American Sociological Association annual meetings. Montreal, Canada. August 2006.

Haas, Steven, and Nathan Fosse. "The Influence of Health on the Academic Achievement and Educational Attainment of Adolescents: Evidence from the NLSY97." Paper presented at the general session of "Health and Adolescence" at the American Sociological Association annual meetings. Montréal, Canada. August 2006.

Haas, Steven, and Nathan Fosse. "The Influence of Health on the Academic Achievement and Educational Attainment of Adolescents: Evidence from the NLSY97." Poster presented at the session "Children and Youth, Adolescence, Parents, Transition to Adulthood, Life Course" at the Annual Meetings of the Population Association of America. Los Angeles, CA. March 2006.

Haas, Steven, and Nathan Fosse. "The Influence of Health on the Academic Achievement and Educational Attainment of Adolescents: Evidence from the NLSY97." Paper presented at the regular session "Educational Attainment" at the Annual Meetings of the Eastern Sociological Association. Boston, MA. February 2006.

Fosse, Nathan. "Extracurricular Activities and Educational Attainment." Paper presented at the regular session "Inequality and Culture" at the Annual Meetings of the American Sociological Association. Philadelphia, PA. August 2005.

Fosse, Nathan. "What's in an A?: The Collective Evaluation of Undergraduate Performance." Paper presented at the regular session "Sociology of Education: Organizational Issues in Higher Education" at the Annual Meetings of the American Sociological Association. San Francisco, CA. August 2004.

Fosse, Nathan. "The Effect of Trust on Cooperative Behavior." Poster presented at the Sigma Xi Student Research Conference. Galveston, TX. November 2002.

REFERENCES

Available upon request.