

DAVID BRUCE BRAUDT
Curriculum Vitae
July 2020

Institute of Behavioral Science
University of Colorado Boulder
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Boulder, CO 80309-0483

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EMPLOYMENT

2019 – Present *Postdoctoral Research Fellow*, Institute of Behavioral Science, University of Colorado Boulder

2019 – Present *Postdoctoral Research Fellow*, Institute for Behavioral Genetics, University of Colorado Boulder

EDUCATION

Ph.D. 2019 **Department of Sociology**
University of North Carolina at Chapel Hill
Distinction: Howard Odum Award for Excellence

M.S. 2015 **Department of Sociology**
University of North Carolina at Chapel Hill

M.S. 2014 **Department of Sociology**
Brigham Young University

B.A. 2011 **Department of Economics**
Brigham Young University
Minors: Mathematics, International Development
Distinctions: Highest University Honors, Robert K. Thomas Scholar

RESEARCH INTERESTS

Social Stratification, Population Health and Aging, Quantitative Methods with a particular interest in Structural Equation Models with Latent Variables, and the integration of social science and omics research.

PEER REVIEWED PUBLICATIONS

2020 Dollar, Nathan, Iliya Gutin, Elizabeth M. Lawrence, **David B. Braudt**, Samuel H. Fishman, Richard G. Rogers, Robert A. Hummer. "The Persistent Southern Disadvantage in U.S. Early Life Mortality, 1965-2014." *Demographic Research*.
<https://pubmed.ncbi.nlm.nih.gov/32317859/>

- 2019 **Braudt, David B.**, Elizabeth Lawrence, Andrea Tilstra, Robert A. Hummer, and Richard G. Rogers. "Family Socioeconomic Status and Early Life Mortality Risk in the United States." *Maternal and Child Health Journal*. 23(10): 1382-91.
<https://pubmed.ncbi.nlm.nih.gov/31273497/>
- Nagata, Jason, **David B. Braudt**, Benjamin Domingue, Kirsten Bibbins-Domingo, Andrea Garber, Scott Griffiths, Stuart Murray. "Genetic Risk, Body Mass Index, and Weight Control Behaviors: Unlocking the Triad." *International Journal of Eating Disorders* 52(7):825-33.
<https://www.ncbi.nlm.nih.gov/pubmed/30994932>
- 2018 **Braudt, David B.** "Sociogenomics in the 21st Century: An Introduction to the History and Potential of Genetically-Informed Social Science." *Sociology Compass* 12(10).
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6201284/>
- Muir, Jonathan A., **David B. Braudt**, Jeffrey Swindle, Jeremy Flaherty, and Ralph B. Brown "Cultural Antecedents to Community: An Evaluation of Community Experience in the United States, Thailand, and Vietnam." *City & Community* 17(2):485–503.
<https://www.ncbi.nlm.nih.gov/pubmed/30197582>
- 2016 Dufur, Mikaela, Toby L. Parcel, John Hoffmann, and **David B. Braudt**. "Who Has the Advantage? Race and Sex Differences in Returns to Social Capital at Home and at School." *Research in Social Stratification and Mobility* 45:27-40.
<https://www.ncbi.nlm.nih.gov/pubmed/27594731>
- 2015 Hoffmann, John P., Mikaela J. Dufur, **David B. Braudt**, Toby Parcel, and Karen Spence. "Examining the Effects of Family and School Social Capital on Delinquent Behavior." *Deviant Behavior* 36(7): 511-526.
- Child, Curtis, Eva Witesman, and **David B. Braudt**. "Sector Choice: How Fair Trade Entrepreneurs Choose Between Nonprofit and For-Profit Forms." *Nonprofit and Voluntary Quarterly* 44(4): 832-851.

PAPERS UNDER REVIEW

- Laidley, Thomas, **David B. Braudt**, Jason B. Boardman. "Is There a Dynamic, Reflexive Relationship between Health and Place? Body Size and Place in the US."
- Dufur, Mikaela, Toby L. Parcel, **David B. Braudt**, and John P. Hoffmann. "Is Social Capital Durable? How Family and School Bonds Influence College Enrollment and Completion."

OTHER PUBLICATIONS

- 2020 **Braudt, David B.** and Kathleen Mullan Harris. *Forthcoming*. "Polygenic Scores (PGSs) in the National Longitudinal Study of Adolescent to Adult Health (Add Health) – Release 2." Chapel Hill, NC: Carolina Population Center, University of North Carolina at Chapel Hill.
- 2018 **Braudt, David B.** and Kathleen Mullan Harris. "Polygenic Scores (PGSs) in the National Longitudinal Study of Adolescent to Adult Health (Add Health) – Release 1." Chapel Hill, NC: Carolina Population Center, University of North Carolina at Chapel Hill.

- 2015 Ward, Carol and **David B. Braudt**. “Sustaining Indigenous Identity Through Language Development: Comparing Indigenous Groups Language Instruction in Two Contexts.” pp. 139-170 in *Indigenous Education: Language, Culture, and Identity*. edited by W. James Jacob, Sheng Yao Cheng, and Maureen K. Porter. New York, NY: Springer.
- 2011 **Braudt, David B.** and Ralph B. Brown. “What’s in a Name? Defining Sustainability and Some Consequences of Definitions.” pp 51-53 in *G20 Summit Magazine*, University of Utah.

WORKING PAPERS

- Braudt, David B.** “Who Makes the Grade? A Gene-Environment Analysis of the Mechanisms of Educational Attainment in the 21st Century”
- Braudt, David B.**, Benjamin W. Domingue, Jason Boardman, Kathleen Mullan Harris, and Daniel W. Belsky. “Investigating the Changing Characteristics of Individuals at the Low-End of the Educational Continuum”
- Braudt, David B.**, Anna Muller, Robert A. Hummer, and Richard G. Rogers. “Socio-economic Patterns in Suicide during Early Life.”
- Bollen, Kenneth A. and **David B. Braudt**. “Testing the Dimensionality of Latent Measures with a New Model Implied Instrumental Variable (MIIV) Test.”
- David B. Braudt**, Jason Boardman, and Kathleen Mullan Harris. “Early Life Pathways to Cognitive Decline: Genetic and Socioeconomic Influences on Cognitive Functioning in Young Adulthood.”

ACADEMIC HONORS

- 2020 Butler-Williams Scholar, National Institute on Aging
- 2019 Howard Odum Award for Excellence, Department of Sociology, University of North Carolina at Chapel Hill
- 2011 Keynote speaker, Honors graduation ceremony, Brigham Young University
- 2010 Robert K. Thomas Scholar, Brigham Young University

GRANTS, AWARDS, & FELLOWSHIPS

- 2020 – Present “Social, Genetic, and Behavioral Mechanisms of Health and Aging.” Grant Development Award, University of Colorado Population Center.
Role: PI
Total costs: \$4,000
- 2019 – Present T32 AG052371. “Interdisciplinary Training in Demography and Genetics.” Jason Boardman PI.
Role: Postdoctoral Fellow
Total costs: \$595,434
- 2018 – Present R03 HD097630. “Add Health GWAS Data: User Support and Research Tools Enable Widespread Access.” Kathleen Mullan Harris and Christy Avery PIs
Role: Unpaid Consultant
Total costs: \$77,750

2018 – 2019 R01 HD073342. “Add Health: A Genotype and Phenotype Resource for the Global Scientific Community.” NICHD. Kathleen Mullan Harris PI
 Role: Graduate Research Assistant
 Total costs: \$2,489,712

2017 – 2018; T32 HD007168. “Population Research Training.” Carolyn Halpern PI, awarded to the
 2014 – 2016 Carolina Population Center
 Role: Predoctoral Fellow with yearly re-application

2013 Graduate Studies Research Fellowship, Brigham Young University. “Being Healthy Online: A Comparison of the Effects of Online and Offline Social Capital on Self-Reported Health.” \$15,000
 Rural Sociological Society Master’s Thesis Research Award. “A Rural/Urban Comparison of the Wireless Connection: A Multilevel Structural Equation Analysis of the Effects of Online and Offline Social Capital on Community Attachment and Satisfaction in Montana.” \$1,000

2012 Graduate Studies Research Fellowship, Brigham Young University. “A Rural/Urban Comparison of the Wireless Connection: A Multilevel Structural Equation Analysis of the Effects of Online and Offline Social Capital on Community Attachment and Satisfaction in Montana.” \$15,000

2010 Federal Pell Grant, Awarded through Brigham Young University.
 Robert K. Thomas Scholarship, Brigham Young University. Awarded to up to ten undergraduate students across the university for excellence in research and academic performance. \$1,105
 Honors Research Grant, Brigham Young University. "Defining Sustainability in Rural Agricultural Development: The Argument of Structural Mortality vs. Economic Feasibility, Drawn from a Study of the Royal Project Foundation of Northern Thailand." Principal Investigator. \$1,000
 Kennedy Center Research Grant, Brigham Young University. "The Royal Project Foundation of Northern Thailand." Co-Investigator with Ralph B. Brown PI. \$5,000
 Marigold N. Saunders Scholarship, Brigham Young University. \$2,210
 Academic Scholarship, Brigham Young University. \$2,146

2009 Federal Pell Grant, Awarded through Brigham Young University.
 Alvina Soffel Barrett Scholarship, Brigham Young University. \$2,146
 Honors International Study Scholarship, Brigham Young University. \$1,000
 Mae Covey Gardner International Study Scholarship, Brigham Young University. \$500
 Academic Scholarship, Brigham Young University. \$2,040

2008 Glenn E. and Olive W. Nielson Scholarship, Brigham Young University. \$4,080

INVITED TALKS

- 2019 “Who Makes the Grade? A Gene-Environment Analysis of the Mechanisms of Educational Attainment in the 21st Century.” Carolina Population Center and Duke University Population Research Institute Demography Daze, Chapel Hill, NC.
- “Polygenic Scores in the National Longitudinal Study of Adolescent to Adult Health.” Population Association of America Workshop on Add Health Data, Austin, TX.
- 2018 “Polygenic Scores in the National Longitudinal Study of Adolescent to Adult Health.” Bi-Annual NIH Add Health Conference, Bethesda, MD.

SELECTED CONFERENCE PRESENTATIONS

- 2019 **Braudd, David B.**, Benjamin W. Domingue, Jason Boardman, Kathleen Mullan Harris, and Daniel W. Belsky. “Investigating the Changing Characteristics of Individuals at the Low-End of the Educational Continuum.” Annual meeting for the Integrating Genetics and the Social Sciences conference. Boulder, CO.
- Braudd, David B.** “Who Makes the Grade? A Gene-Environment Analysis of the Mechanisms of Educational Attainment in the 21st Century.” Annual Meeting of the *Population Association of American*. Austin, TX.
- Braudd, David B.**, Elizabeth Lawrence, Andrea Tilstra, Robert A. Hummer, and Richard G. Rogers. “Associations between Early Life Mortality and Socioeconomic Status in the United States.” Annual Meeting of the *Population Association of American*. Austin, TX.
- 2018 **Braudd, David B.** and Kathleen Mullan Harris. “Polygenic Penetrance of Genetics in the 21st Century.” Annual Meeting of the *Population Association of American*. Denver, CO.
- 2017 Bollen, Kenneth A. and **David B. Braudd**. “Testing the Dimensionality of Latent Measures with a New Model Implied Instrumental Variable (MIIV) Test.” Midyear Meeting of the *Methods Section of the American Sociological Association*, Chicago, IL.
- 2016 Dufur, Mikaela, Toby L. Parcel, **David B. Braudd**, and John Hoffmann. “How Durable is Social Capital? Family and School Bonds and College Enrollment and Completion.” Annual Meetings of the *American Sociological Association*. Seattle, WA.
- Braudd, David B.** “Decomposing the Mechanisms of Social Stratification and Mobility: An Integration of the ACE and the Status Attainment Models in the Case of Academic Achievement.” Annual Meeting of the *Population Association of American*. Washington, D.C.
- 2015 Dufur, Mikaela, Toby L. Parcel, John Hoffmann, and **David B. Braudd**. “Race and Sex Differences in Returns to Social Capital at Home and at School.” Annual Meetings of the *American Sociological Association*. Chicago, IL.
- 2013 **Braudd, David B.** “A Rural/Urban Comparison of the Wireless Connection: A Multilevel Structural Equation Analysis of the Effects of Virtual and Community Social Capital on Community Attachment and Satisfaction in Montana.” Annual Meetings of the *Rural Sociological Society*. New York, NY.
- Dufur, Mikaela, Toby L. Parcel, John P. Hoffmann, **David B. Braudd**. "Social Capital at Home and at School: Long-term Effects on Academic Attainment." Annual meetings of the *Society for Longitudinal and Life Course Studies*. Amsterdam, Netherlands.

Child, Curtis, Eva Witesman, and **David B. Braudt**. “Institutional Choice Redux: How Fair Trade Entrepreneurs Choose Between Nonprofit and For-Profit Forms.” Annual Meetings of the *American Sociological Association*. New York, New York.

2011 **Braudt, David B.** and Ralph B. Brown. “Practical Applications of Rural Agricultural Development: An Exploratory Analysis of the Royal Project Foundation of Northern Thailand.” *International Conference on Managing Sustainable Development or Rural Economy and Agri Business*. Banaras Hindu University, Varanasi, India.

TEACHING EXPERIENCE (* = graduate level course)

Primary Instructor

2017 Sociology 252: Data Analysis, University of North Carolina at Chapel Hill

Teaching Assistant

2016 – 2018 *Sociology 717: Structural Equation Models with Latent Variables. University of North Carolina at Chapel Hill. Taught by Kenneth A. Bollen,

2017 *Latent Growth Curve Models (LCM): A Structural Equation Modeling Approach. Inter-University Consortium for Political and Social Research (ICPSR). Taught by Kenneth A. Bollen.

Sociology 252: Social Science Research Methods. University of North Carolina at Chapel Hill. Taught by Mosi Ifatunji.

2014 – 2015 *Structural Equation Models with Latent Variables: An Introduction. Inter-University Consortium for Political and Social Research (ICPSR). Taught by Kenneth A. Bollen.

2013 – 2014 *Sociology 706: Advanced Statistical Methods in the Social Sciences with an Emphasis on Structural Equation Modeling. Brigham Young University. Taught by Joseph Olsen.

2011 Economics 101: Introductory Economics. Brigham Young University. Taught by James R. Kearl.

2008 – 2010 Honors Colloquium in the Sciences: A Nine credit-hour, Two Semester, Honors Course Covering all GE Requirements in the Physical, Biological, and Natural Sciences. Brigham Young University. Taught by William Dibble, Wilfred Griggs, Paul R. Evans, Otis H. Willoughby, and Steve Turley

- Article highlighting the course: <https://magazine.byu.edu/article/adventures-in-science/>

OTHER PROFESSIONAL EXPERIENCE & SERVICE

Professional Development Activities

2015 – Present Special Sworn Status, U.S. Census Bureau

2020 International Workshop on Statistical Genetic Methods for Human Complex Traits. Institute for Behavioral Genetics, University of Colorado Boulder.

2016 Russell Sage Foundation Summer Institute in Social Science Genomics. Rutgers University. Organized by Daniel Benjamin and David Cessarini.

Academic and Professional Service

- 2019 Admissions Committee, Summer Undergraduate Internship Program, Carolina Population Center
- 2016 – 2018 Pre-doctoral Mentor, Summer Undergraduate Internship Program, Carolina Population Center
- 2010 – 2011 Co-President, Honors Student Advisor Committee, Brigham Young University
- 2009 – 2010 Honors Symposium Director, Honors Student Advisor Committee, Brigham Young University

Statistical Consulting

- 2013 – 2014 San Diego State University Research Foundation
- 2012 – 2014 Research Support Center, Brigham Young University

Ad-hoc Reviewer

National Science Foundation, American Sociological Review, Biodemography, Social Forces, Journal of Adolescence, British Journal of Educational Psychology

PROFESSIONAL ASSOCIATIONS

American Sociological Association, member
Population Association of America, member

REFERENCES

Kenneth A. Bollen

Henry Rudolph Imerwahr Distinguished Professor, Department of Sociology and Department of Psychology and Neuroscience

Kathleen Mullan Harris

James E. Haar Distinguished Professor, Department of Sociology

Robert A. Hummer

Howard W. Odum Distinguished Professor of Sociology

Jason Boardman

Professor, Department of Sociology, University of Colorado