

DAVID BRUCE BRAUDT

Curriculum Vitae

December 2020

Institute of Behavioral Science
University of Colorado Boulder
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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. 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

Population Health, Social Stratification, Genomics, and Quantitative Methods with a particular interest in Structural Equation Models with Latent Variables

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.

OTHER PUBLICATIONS

2020 **Braudt, David B.** and Kathleen Mullan Harris. "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. ([link](#))

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. ([link](#))

2015 Ward, Carol and **David B. Braudt.** "Sustaining Indigenous Identity Through Language Development: Comparing Indigenous 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 & MANUSCRIPTS UNDER REVIEW

Braudt, David B. "Who Makes the Grade? A Gene-Environment Analysis of the Mechanisms of Educational Attainment in the 21st Century"

Bollen, Kenneth A. and **David B. Braudt.** "Testing the Dimensionality of Latent Measures with a New Model Implied Instrumental Variable (MIIV) Test."

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”

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.”

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.”

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 – 2020 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;
2014 – 2016 T32 HD007168. “Population Research Training.” Carolyn Halpern PI, awarded to the 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

2021 "Polygenic Scores in the National Longitudinal Study of Adolescent to Adult Health – Release 2." National Longitudinal Study of Adolescent to Adult Health User's Conference, Bethesda, MD.

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 User’s Conference, Bethesda, MD.

SELECTED CONFERENCE PRESENTATIONS

- 2019 **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.” Annual meeting for the Integrating Genetics and the Social Sciences conference. Boulder, CO.
- Braudt, 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.
- Braudt, 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 **Braudt, 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. Braudt**. “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 **Braudt, 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. Braudt**. “Race and Sex Differences in Returns to Social Capital at Home and at School.” Annual Meetings of the *American Sociological Association*. Chicago, IL.
- 2013 **Braudt, 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.
- 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

Statistical Consulting

- 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

Kathleen Mullan Harris

James E. Haar Distinguished Professor, Department of Sociology

Kenneth A. Bollen

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

Jason Boardman

Professor, Department of Sociology, University of Colorado