

DAVID BRUCE BRAUDT
Curriculum Vitae
March 2019

Department of Sociology
University of North Carolina at Chapel Hill
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Carolina Population Center
123 W. Franklin St.
Room 2124-F
Chapel Hill, NC 27516

EDUCATION

Ph.D.	started 2014	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 and International Development Distinction: Highest University Honors

RESEARCH INTERESTS

Social Stratification, Quantitative Methods with a particular interest in Structural Equation Models with Latent Variables, and Sociogenomics (the integration of social science and genomics methods and data).

PEER REVIEWED PUBLICATIONS

Nagata, Jason, **David B. Braudt**, Benjamin Domingue, Kirsten Bibbins-Domingo, Andrea Garber, Scott Griffiths, Stuart Murray. *forthcoming*. "Genetic Risk, Body Mass Index, and Weight Control Behaviors: Unlocking the Triad"

Braudt, David B. 2018. "Sociogenomics in the 21st Century: An Introduction to the History and Potential of Genetically-Informed Social Science." *Sociology Compass*.

Muir, Jonathan A., **David B. Braudt**, Jeffrey Swindle, Jeremy Flaherty, and Ralph B. Brown. 2018. "Cultural Antecedents to Community: An Evaluation of Community Experience in the United States, Thailand, and Vietnam." *City & Community* 17(2):485–503.

- Dufur, Mikaela, Toby L. Parcel, John Hoffmann, and **David B. Braudt**. 2016. "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.
- Hoffmann, John P., Mikaela J. Dufur, **David B. Braudt**, Toby Parcel, and Karen Spence. 2015. "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**. 2015. "Sector Choice: How Fair Trade Entrepreneurs Choose Between Nonprofit and For-Profit Forms." *Nonprofit and Voluntary Quarterly* 44(4): 832-851.

WORKS UNDER REVIEW

- 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."

OTHER PUBLICATIONS

- Braudt, David B.** and Kathleen Mullan Harris. 2018. "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.
- Ward, Carol and **David B. Braudt**. 2015. "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.
- Braudt, David B.** and Ralph B. Brown. 2011. "What's in a Name? Defining Sustainability and Some Consequences of Definitions." pp 51-53 in *G20 Summit Magazine*, University of Utah.

RESEARCH IN PROGRESS

- 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 Increasing Selectivity and Characteristics of Individuals at the Low-End of the Educational Continuum"
- Bollen, Kenneth A. and **David B. Braudt**. "Testing the Dimensionality of Latent Measures with a New Model Implied Instrumental Variable (MIIV) Test."

Ware, Erin B., Lauren L. Schmitz, **David B. Braudt**, Jessica Faul, Arianna Gard, Colter Mitchell, Jennifer A. Smith, Wei Zhao, David Weir, Sharon Kardia. "Heterogeneity in Polygenic Scores for Human Traits."

Dufur, Mikaela, Toby L. Parcel, **David B. Braudt**, and John P. Hoffmann. "How Durable is Social Capital? Family and School Bonds and College Enrollment and Completion."

INVITED TALKS

"Polygenic Scores in the National Longitudinal Study of Adolescent to Adult Health."

Add Health Conference, Bethesda, MD. July 2018.

PAA Workshop on Add Health Data, Austin, TX. April 2019.

SELECTED PRESENTATIONS

Braudt, David B. and Kathleen Mullan Harris. 2018. "Polygenic Penetrance of Genetics in the 21st Century." Presented at the Annual Meeting of the *Population Association of American*. Denver, CO.

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

Braudt, David B., Elizabeth Lawrence, Robert A. Hummer, and Richard G. Rogers. 2017. "Associations between Early Life Mortality and Socioeconomic Status in the 21st Century United States." Presented at the Annual Meeting of the *Population Association of American*. Chicago, IL.

Bollen, Kenneth A. and **David B. Braudt**. 2017. "Testing the Dimensionality of Latent Measures with a New Model Implied Instrumental Variable (MIIV) Test." Presented at the Midyear Meeting of the *Methods Section of the American Sociological Association*, Chicago, IL.

Dufur, Mikaela, Toby L. Parcel, **David B. Braudt**, and John Hoffmann. 2016. "How Durable is Social Capital? Family and School Bonds and College Enrollment and Completion." Presented at the Annual Meetings of the *American Sociological Association*. Seattle, WA.

Braudt, David B. . 2016. "Decomposing the Mechanisms of Social Stratification and Mobility: An Integration of the ACE and the Status Attainment Models in the Case of Academic Achievement" Presented at the Annual Meeting of the *Population Association of American*. Washington, D.C.

Dufur, Mikaela, Toby L. Parcel, John Hoffmann, and **David B. Braudt**. 2015. "Race and Sex Differences in Returns to Social Capital at Home and at School." Presented at the Annual Meetings of the *American Sociological Association*. Chicago, IL.

Braudt, David B. 2013. "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." Presented at the Annual Meetings of the *Rural Sociological Society*. New York, NY.

Dufur, Mikaela, Toby L. Parcel, John P. Hoffmann, **David B. Braudt**. 2013. "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**. 2013. "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.

Braudt, David B. and Ralph B. Brown. 2011. "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.

AWARDS & GRANTS

R03 HD097630. "Add Health GWAS Data: User Support and Research Tools Enable Widespread Access." Kathleen Mullan Harris PI
Role: Unpaid Consultant
Total costs: \$77,750

R01 HD073342. "Add Health: A Genotype and Phenotype Resource for the Global Scientific Community." National Institute for Child Health and Human Development. Kathleen Mullan Harris PI
Role: Graduate Research Assistant
Total costs: \$2,489,712.

T32 HD007168. Predoctoral Fellowship, Carolina Population Center, ≈ \$23,000 /year
2017-2018
2015-2016
2014-2015

Brigham Young University Graduate Studies Research Fellowship. "Being Healthy Online: A Comparison of the Effects of Online and Offline Social Capital on Self-Reported Health." 2013-2014. \$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." 2013. \$1,000.

Brigham Young University Graduate Studies Research Fellowship. "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." 2012-2013. \$15,000.

Robert K. Thomas Scholarship. Awarded to up to ten undergraduate students across the University for excellence in research and academic performance. 2010-2011. \$1,105.

Honors Research Grant. "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. 2010. \$1,000.

Kennedy Center Research Grant. "The Royal Project Foundation of Northern Thailand." Co-Investigator with Prof. Ralph B. Brown PI. 2010. \$5,000.

TEACHING EXPERIENCE

Instructor

University of North Carolina at Chapel Hill

Sociology 252: Data Analysis 2017

Teaching Assistant

Inter-University Consortium for Political and Social Research (ICPSR)

Latent Growth Curve Models (LCM): A Structural Equation Modeling Approach. Taught by Prof. Kenneth A. Bollen 2017

Structural Equation Models with Latent Variables: An Introduction. 2014 & 2015
Taught by Prof. Kenneth A. Bollen

University of North Carolina at Chapel Hill

Sociology 717: Structural Equation Models with Latent Variables. 2016 & 2018
Taught by Prof. Kenneth A. Bollen (Graduate Course)

Sociology 252: Social Science Research Methods. 2017
Taught by Dr. Mosi Ifatunji

Brigham Young University

Sociology 706: Advanced Statistical Methods in the Social Sciences 2013 & 2014
with an Emphasis on Structural Equation Modeling.
Taught by Dr. Joseph Olsen (Graduate Course)

Economics 101: Introductory Economics 2011
Taught by Prof. James R. Kearl

PROFESSIONAL EXPERIENCE & SERVICE

Carolina Population Center Predoctoral Trainee	2014-Present
Statistical Consultant Brigham Young University Research Support Center San Diego State University Research Foundation	2012-2014 2013-2014
Research Assistant Prof. Kathleen M. Harris, <i>UNC - Chapel Hill</i> Prof. Robert A. Hummer, <i>UNC - Chapel Hill</i> Prof. Kenneth A. Bollen, <i>UNC - Chapel Hill</i> Prof. Mikaela Dufur and Prof. John Hoffman, <i>Brigham Young University</i> Dr. Curtis Child, <i>Brigham Young University</i> Dr. Eric Dahlin, <i>Brigham Young University</i> Dr. Frank McIntyre, <i>Brigham Young University</i>	2017-Present 2016-2017 2014, 2017 2012-2014 2011-2012 2011 2011
Ad-hoc Reviewer <i>Biodemography, Social Forces, Journal of Adolescence, British Journal of Educational Psychology</i>	

HONORS AND ACCOLADES

Howard Odum Award for Excellence, UNC - Chapel Hill, Department of Sociology	2019
Keynote speaker – Honors Graduation ceremony, Brigham Young University	2011

PROFESSIONAL ASSOCIATIONS

American Sociological Society, 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 Hummer

Howard W. Odum Distinguished Professor of Sociology