

ABBREVIATED CURRICULUM VITAE**S. NATASHA BERETVAS**

John L. and Elizabeth G. Hill Centennial Professor
 Quantitative Methods (QM) Program
 Department of Educational Psychology
 The University of Texas at Austin

ACADEMIC POSITIONS

2012-ongoing	Professor	QM Program
2013-2016	Associate Dean for Research & Graduate Studies	College of Education
2006-2012	Associate Professor	QM Program
2000-2006	Assistant Professor	QM Program

EDUCATIONAL BACKGROUND

2000	PhD	University of Washington	Measurement, Statistics & Research Design
1997	MEd	University of Washington	Measurement, Statistics & Research Design
1989	BS	Duke University	Mathematics / Psychology double major

Selected Recent Publications (out of over 90 total in full CV)

Current and former students' names are *italicized*

Books and Book Chapters

- Harring, J. R., Stapleton, L. M., & **Beretvas, S. N.** (Eds.). (2015). *Advances in multilevel modeling for educational research: Addressing practical issues found in real-world applications*. Charlotte, NC: Information Age Publishing, Inc.
- Beretvas, S. N.**, *Murphy, D. L.*, & Gaertner, M. N. (2015). Cross-classified random effects models for assessing rater severity and differential rater functioning. In J. Harring, L. M. Stapleton and **S. N. Beretvas** (Eds.) *Advances in multilevel modeling for educational research: Addressing practical issues found in real-world applications*. Charlotte, NC: Information Age Publishing, Inc.
- Harring, J., **Beretvas, S. N.**, & *Israni, A.* (2015). A model for cross-classified nested repeated measures data. In J. R. Harring, L. M. Stapleton & **S. N. Beretvas** (Eds.), *Advances in multilevel modeling for educational research: Addressing practical issues found in real-world applications* (pp. 229-260). Charlotte, NC: Information Age Publishing, Inc.
- Beretvas, S. N.** (2015). Uncovering processes and pathways in family-school research: Modeling innovations for handling data complexities. In S. M. Sheridan & E. M. Kim (Eds.) *Research on family-school partnerships: An interdisciplinary examination of state of the science and critical needs (Volume II: Processes and pathways of family-school partnerships)* (pp. 81-99). New York, NY: Springer.
- Beretvas, S. N.**, Whittaker, T. A., & *Stafford, R. E.* (2014). Statistical modeling methods for classroom management research. Chapter in E. T. Emmer & E. Sabornie (Eds.) *Handbook of classroom management* (pp. 519-537).

Peer-Reviewed Articles

- Petit-Bois, M., Baek, E. K., Van den Noortgate, W., Beretvas, S. N., & Ferron, J. M.* (in press). The consequences of modeling autocorrelation when synthesizing single-case studies using a three level model. *Behavior Research Methods*.
- Kim-Romo, D., Rascati, K., Richards, K., Ford, K., Wilson, J., & Beretvas, S. N.* (2016). Medication Adherence and Persistence in Patients with Severe Major Depressive Disorder with Psychotic Features: Antidepressant and Second-Generation Antipsychotic Therapy versus Antidepressant Monotherapy. *Journal of Managed Care and Specialty Pharmacy, 22*, 588-596. doi: 10.18553/jmcp.2016.22.5.588.
- Wolff Smith, L. J., & Beretvas, S. N.* (2015). A comparison of techniques for handling and assessing the influence of mobility on student achievement. *Journal of Experimental Education*. DOI: 10.1080/00220973.2015.1065217
- Verma, N., Beretvas, S. N., Pascual, B., Masdeu, J. C., Markey, M. K.* (2015). New scoring methodology improves the sensitivity of the Alzheimer's Disease Assessment Scale-Cognitive subscale (ADAS-Cog) in clinical trials. *Alzheimer's Research & Therapy, 7*:64, DOI 10.1186/s13195-015-0151-0.
- Murphy, D., & Beretvas, S. N.* (2015). Measuring teacher effectiveness with cross-classified random effects models. *Applied Measurement in Education, 28*, 219-236.
- Moeyaert, M., Ugille, M., Ferron, J. M., Onghena, P., Heyvaert, M., Beretvas, S. N., & Van den Noortgate, W.* (2015). Estimating intervention effects across different types of single-subject experimental designs: Empirical illustration. *School Psychology Quarterly, 30*, 50-63.
- Moeyaert, M., Ugille, M., Ferron, J. M., Beretvas, S. N., Van den Noortgate, W.* (2015). The misspecification of the covariance structures in multilevel models for single-case data. *Journal of Experimental Education*.
- Hembry, I., Bunuan, R., Beretvas, S. N., & Ferron, J. M., Van Den Noortgate, W.* (2015). Estimation of a nonlinear intervention phase trajectory for multiple baseline design data. *Journal of Experimental Education, 83*, 514-546. DOI: 10.1080/00220973.2014.907231
- Moeyaert, M., Ugille, M., Ferron, J., Beretvas, S. N., Van den Noortgate, W.* (2014). The influence of the design matrix on treatment effect estimates in the quantitative analyses of single-subject experimental design research. *Behavior Modification, 38*, 665-704. doi: 10.1177/0145445514535243
- Lee, H., & Beretvas, S. N.* (2014). Evaluation of two types of differential item functioning in factor mixture models with binary outcomes. *Educational and Psychological Measurement, 74*, 831-858. DOI: 10.1177/0013164414526881
- Lee, J. J., Beretvas, S. N., & Freeland-Graves, J. H.* (2014). Abdominal adiposity distribution in diabetic/pre-diabetic and non-diabetic populations: A meta-analysis. *Journal of Obesity*. <http://dx.doi.org/10.1155/2014/697264>
- Wolff Smith, L. J., Beretvas, S. N.* (2014). The impact of using incorrect weights with the multiple membership random effects model. *Methodology: European Journal of Research Methods for the Behavioral and Social Sciences*. DOI: 10.1027/1614-2241/a000066
- Whittaker, T. A., Beretvas, S. N., & Falbo, T.* (2014). Dyadic curve-of-factors model: An introduction and illustration of a model for longitudinal nonexchangeable dyadic data. *Structural Equation Modeling, 21*, 303-317.
- Wolff Smith, L. J., & Beretvas, S. N.* (2014). A comparison of procedures for handling mobility and missing level two identifiers in two-level data. *International Journal of Quantitative Research in Education, 2*, 153-174.

- Ferron, J., Moeyaert, M., Van den Noortgate, W., & Beretvas, S.N. (2014). Estimating causal effects from multiple-baseline studies: Implications for design and analysis. *Psychological Methods, 19*, 493-510.
- Beretvas, S. N., & Murphy, D. M.** (2013). An evaluation of information criteria use for correct cross-classified random effects model selection. *Journal of Experimental Education, 81*, 429-463.
- Li, X., & **Beretvas, S. N.** (2013). Sample size limits for estimating upper-level mediation models using multilevel SEM. *Structural Equation Modeling, 20*, 241-264.

Service

- 2017-2021 Co-Editor in Chief, *Research Synthesis Methods* journal
- 2015- Member, Single-Case Design advisory committee for What Works Clearinghouse
- 2014, 2015 Ad hoc reviewer, NSF Methodology, Measurement and Statistics panel
- 2013- Member, Society for Research Synthesis Methodology
- 2013-2014 Member, NAEP Design and Analysis committee
- 2013 Founder, TX Universities' Educational Statistics and Psychometrics meeting
- 2011-2013 Associate Editor, *Journal of School Psychology*
- 2011-2012 Associate Editor, *Journal of Educational Psychology*
- 2011-2013 Program co-Chair, AERA-Division D2-Quantitative Methods and Statistical Theory
- 2008-2016 Member, Institute of Education Sciences peer review panels
- 2007-2008 Program Co-chair, National Council of Measurement in Education annual meeting
- 2006,2007 Program Chair, Educational Statisticians special interest group, AERA
- 2004 Program Chair, Hierarchical Linear Modeling special interest group, AERA

Selected Teaching Awards

- 2016 Recipient, University Co-op Outstanding Graduate Teaching Award
- 2015 Provost's Teaching Fellow
- 2014 Recipient, College of Education Dean's Distinguished Teaching Award
- 2013 Office of Students with Disabilities Recognition, UT-Austin
- 2009 Recipient of the University's Regents' Outstanding teaching award for undergraduate teaching.

Current Grant Activity

- Institute of Education Sciences** Funded co-PI (9/2016 – 9/2018)
Research Synthesis of the Effects of Classroom Structure on Student Motivation, Engagement, and Achievement
- Institute of Education Sciences** Funded co-PI (8/2015 – 7/2018)
Multilevel modeling of single-subject experimental data: Handling data and design complexities

Past Grant Activity (selection)

- Institute of Education Sciences** Completed co-PI (6/2012 – 5/2014)
A meta-analysis of parent involvement interventions and family-school partnerships' effects on student outcomes
- Institute of Education Sciences** Completed co-PI (7/2011 – 6/2014)
Multilevel synthesis of single-case experimental data: Further developments and empirical validation
- Institute of Education Sciences** Completed PI (1/2006 – 12/2006)
Methodological investigation of meta-analytic techniques used to synthesize single-case research design results