

## CURRICULUM VITAE

### S. Natasha Beretvas

Senior Vice-Provost for Faculty Affairs  
John L. and Elizabeth G. Hill Professor  
Office of the Executive Vice-President and Provost  
110 Inner Campus Drive, G1000  
The University of Texas at Austin

#### *I. Biographical Information*

##### *A. Education*

<b>Doctor of Philosophy</b>	Measurement, Statistics & Research Design The University of Washington	2000
<b>Master of Education</b>	Measurement, Statistics & Research Design The University of Washington	1997
<b>Bachelor of Science</b>	Mathematics / Psychology double major Duke University	1989

##### *B. Professional Experience*

##### Faculty Positions

<b>Professor</b>	Department of Educational Psychology The University of Texas at Austin (UT)	2012-ongoing
<b>Professor</b>	Department of Psychiatry (courtesy appointment)	2017-ongoing
<b>Associate Professor</b>	Department of Educational Psychology, UT	2006-2012
<b>Assistant Professor</b>	Department of Educational Psychology, UT	2000-2006

##### Administrative Positions

<b>Senior Vice-Provost for Faculty Affairs</b>	UT	2019-ongoing
<b>Associate Dean for Research and Graduate Studies</b>	College of Education, UT	2013-2016 2018-2019
<b>Graduate Advisor</b>	Masters program, Department of Statistics, UT	2012-2013
<b>Area Chair</b>	Quantitative Methods Area Department of Educational Psychology, UT	2006-2011 2017-2018

##### Positions Prior to UT

<b>Research Assistant</b>	Department of Educational Psychology The University of Washington (UW)	1999-2000
<b>Instructor</b>	Department of Educational Psychology, UW	1996-1998
<b>Teaching Assistant</b>	Department of Educational Psychology, UW	1995-2000
<b>Programmer</b>	IBM, Kingston, New York	1989-1994

### ***C. Professional Memberships***

American Educational Research Association (AERA)

Division D

Hierarchical Linear Modeling (HLM) Special Interest Group (SIG)

Structural Equation Modeling SIG

Educational Statisticians SIG

## ***II. Teaching Effectiveness***

*Course Instructor Surveys:* Course Instructor Surveys for the Department of Educational Psychology have been administered every semester and have consistently been in the above-average to excellent range with an average instructor rating of 4.8 and average course rating of 4.6 for graduate courses, and corresponding averages of 4.8 and 4.4 for the undergraduate course I teach (EDP 371). Unsolicited correspondence from students has supported students' overall positive impression of their learning in my courses. Since starting at UT, I have taught one undergraduate course (*Introduction to Statistics*), and five graduate courses (*Data Analysis Using SPSS, Correlation and Regression, Factor Analysis, Meta-Analysis* and *Advanced Statistical Modeling*). The *Advanced Statistical Modeling* course is a new course that I designed and added to the program's curriculum.

### ***A. Classroom Teaching***

1. Listed below is a table of graduate and undergraduate organized classes that I have (or will have) taught since joining the faculty in August, 2000. For each course, the total enrollment and average overall instructor rating from the course instructor surveys are listed. For each item, respondents choose from Very Unsatisfactory = 1 to Excellent = 5.

Semester	Course Number	Course Title	Average Instructor Rating	Average Course Rating
Fall, 2000	EDP 371	Introduction to Statistics	4.9	4.6
Spring, 2001			4.5	4.1
Summer, 2001			5.0	4.7
Fall, 2001			4.8	4.6
Spring, 2002			4.8	4.4
Summer, 2002			4.8	4.4
Fall, 2002			4.8	4.3
Spring, 2003			4.8	4.4
Spring, 2004			4.9	4.6
Fall, 2004			4.9	4.5
Spring, 2005			4.7	4.5
Summer, 2005			4.8	4.5
Spring, 2006			4.8	4.2
Fall, 2006			4.4	4.0
Fall, 2007			4.6	4.0
Spring, 2008			4.8	4.5
Fall, 2008			4.8	4.3
Fall, 2009			4.7	4.3
Spring, 2010			4.6	4.2
Spring, 2011			4.7	4.4
Spring, 2001	EDP 382K	Factor Analysis	4.7	4.5
Spring, 2002			4.7	4.4
Spring, 2003			4.8	4.7
Fall, 2003			4.4	4.1
Fall, 2004			4.9	4.7
Fall, 2005			4.7	4.6
Fall, 2007			4.8	4.6
Fall, 2005	EDP 382K	Correlation and Regression	4.7	4.7
Fall, 2006			4.7	4.4
Fall, 2009			4.8	4.5
Fall, 2010			4.6	4.5
Fall, 2011			4.6	4.5
Fall, 2012			4.8	4.6
Fall, 2013			4.9	4.7
Fall, 2013			4.9	4.6
Spring, 2017			4.8	4.4
Spring, 2018			4.9	4.8
Fall, 2008			EDP 384	Advanced Statistical Models
Fall, 2010	5.0	5.0		
Fall, 2011	4.9	4.9		
Fall, 2016	5.0	4.8		
Spring, 2004	EDP 384	Meta-Analysis	4.6	4.7
Spring, 2005			4.8	4.6
Spring, 2008			5.0	4.9
Spring, 2010			4.9	4.9
Spring, 2011			4.4	4.1
Fall, 2012			4.8	4.3

Spring, 2016			4.9	4.8
Spring, 2017			5.0	4.8
Fall, 2018			4.9	4.8
Fall, 2001	EDP 384	Data Analysis Using SPSS	4.7	4.5
Fall, 2002			4.8	4.7
Fall, 2014	EDP 380E	Fundamental Statistics	4.7	4.4
Fall, 2017	EDP 380C		4.9	4.8
Fall, 2017	EDP 380C		4.8	4.4
Spring, 2019			5.0	4.9

***B. Dissertation, Thesis, and Qualifying Process Document Direction***

**1. Doctoral Dissertation Committee Service**

a. Chair/Co-Chair

Completed

Park, Sunyoung (2018, QM Area)  
 Bond, Mark (2018, QM Area)  
 Bunuan, Rommel (2016, QM Area)  
 Israni, Anita (2015, QM Area)  
 Galindo, Jennifer (2015, QM Area)  
 Lopez, Myriam (2015, QM Area)  
 Ugille, Maaïke (QM area, University of Leuven, Belgium, co-chair)  
 Chang, Wanchen (2014, QM Area, co-chaired with Keenan Pituch)  
 Leroux, Audrey (2013, QM Area)  
 Lockhart, Leland (2012, QM Area)  
 Lee, HwaYoung (2012, QM Area)  
 Smith, Lindsey (2012, QM Area)  
 Wang, Dandan (2011, QM Area, co-chaired with Tiffany Whittaker)  
 Li, Xin (2011, QM Area)  
 Brune, Kelly (2011, QM Area)  
 Mulloy, Austin (2011, Special Education, co-chaired with Mark O'Reilly)  
 Chen, Tzu-Ann (2010, QM Area)  
 Grady, Matt (2010, QM Area)  
 Chung, Hyewon (2009, QM Area)  
 Murphy, Dan (2009, QM Area, co-chaired with Keenan Pituch)  
 Vaughn, Phillip (2009, QM Area)  
 Ritter, Muse (2008, QM Area)  
 Kim, Sung (2008, CP and QM Area, co-chaired w/Alissa Sherry)  
 Allua, Shane (2007, QM Area)  
 Reynolds, Matthew (2007, QM Area & School Psych, co-chaired w/Tim Keith)  
 Jennings, Judy (2006, QM Area, co-chaired with Keenan Pituch)  
 Meyers, J. L. (2004, QM Area)  
 Furlow, C. F. (2003, QM Area)  
 Williams, N. J. (2003, QM Area)  
 Shin, S. (2003, QM Area, co-chaired with Steve Fitzpatrick)  
 Pastor, D. P. (2001, QM Area)

Current

Lee, Kejin (QM Area)  
 Swan, Danny (QM Area)  
 Nieto, Rich (QM Area)

Declercq, Lies (Universiteit Leuven, Belgium, co-chair)  
Fernández Castilla, Belén ((Universiteit Leuven, Belgium, co-chair)

b. Committee Member

Completed

Nduaguba, Sabina Onyinye (2018, Pharmacy)  
Raley Woodward, Nathaniel (2018, HDCLS)  
Stevens, Elizabeth (2018, Special Education)  
Hou, Yang (2018, Human Development & Family Sciences)  
Koenig, Sarah (2018, School Psychology)  
Zang, Anao (2018, Social Work)  
Stroub, Kori (2017, Educational Administration)  
Mangini, Lauren (2017, Nutritional Sciences)  
Jensen, Mishan (2017, QM)  
Wheelis, Meaghann (Quantitative Methods)  
Joo, Seang-hwane (University of South Florida)  
Stanton, Kathy (2016, School Psychology)  
Provence, Mark (2016, Counseling Psychology)  
Eun Yeon Kang (2016, Communication)  
Zaccheus Ahonle (2015, SPE)  
Hall, Colby (2016, SPE)  
Rose, Bess (Johns Hopkins University) dissertation committee member  
Miller, Janna (2016, Counseling Psychology)  
McCulley, Elisabeth (2015, Special Education)  
Park, Ryoungsun (2015, Quantitative Methods)  
Kim-Romo, Dawn (Pharmacy)  
Leppo, Rachel (School Psychology)  
Craig, Tara (STEM)  
Hembry, Ian (2014, Quantitative Methods)  
Haring, Sam (2014, Quantitative Methods)  
Saathof, Andrea (2014, Counseling Psychology)  
Reinhart, Alyssa (2014, HDCLS)  
Moyer, Eric (2012, Quantitative Methods)  
Gloria, Christian (2012, Kinesiology)  
Jones, Johnna (2012, School Psychology)  
Wan, Judy (2012, School Psychology)  
Saathoff, Andrea (2012, Counseling Psychology)  
Hatch, Deryl (2012, Educational Administration)  
Faulk, Katie (2012, Kinesiology)  
Kim, Woori, (2011, Special Education)  
Alanis, Kelly (2011, QM Area)  
Niedermyer, Angela Jo (2011, Communications)  
Hsiu-Rong Cheng (2011, Nursing)  
Connor Principe (2011, Psychology)  
Garrison, Daniel (2011, School Psychology)  
Kayser, Kim (2011, School Psychology)  
Velasquez, Katherine (2011, Kinesiology)  
Yarnell, Lisa (2011, Area II)  
Jung, Jae-Hak (2011, Area I)  
Chen, Lynn (2010, QM Area)  
Kim, Jiseon (2010, QM Area)

Kim, Jinny (2010, Area I)  
Shaw, Shana (2010, Area I)  
Durham-Fowler, Jen (2010, Counseling Psychology)  
Ho, Tsung-han (2009, QM Area)  
Low, Justin (2009, School Psychology)  
Rivaux, Stephanie (2009, Social Work)  
Svihla, Vanessa (2009, C&I)  
Muñoz, Yuri (2009, Communications)  
Gallegos, Julia (2008, Special Education)  
Herren, Jenny (2008, School Psychology)  
Keng, Leslie (2008, QM Area)  
Machalicek, Wendy (2008, Special Education)  
Macken-Ruiz, Candace (2008, QM Area)  
Sanchez, Edgar (2008, QM Area)  
Setzer, Carl (2008, James Madison University)  
Patel, Ameer (2008, Communications)  
Sperling, Rick (2007, Educational Psychology)  
Zanger, Dinorah (2007, Educational Psychology)  
Tripodi, Stephen (2007, Social Work)  
Lee, Han-Joo (2007, Psychology)  
Griffin, Angela (2007, Psychology)  
Hodgkinson, Meredith (2007, Kinesiology)  
Jackson, Russell (2007, Psychology)  
Gomez, Luis Felipe (2007, Communications)  
Johnson, Marc (2006, QM Area)  
McClarty, Katie (2006, QM Area)  
Weisgram, Erica (2006, Psychology)  
Kim, Myoungsook (2006, Area I)  
Andriasova, Anna (2006, Communications)  
Bush, Angela (2006, Area I)  
Creasey, Adam (2006, Area I)  
Seely, Susan (2006, Special Education)  
Gangadharbatla, Harsha (2006, Communications)  
Gerard, Aimee (2006, School Psychology)  
Kim, Johnny (2006, Social Work)  
Chou, Jui Sheng (2005, Area I)  
Cho, Yoonjung (2005, Area I)  
Adachi, Eishi (2005, Quantitative Methods)  
Chen, Pei-hua (2005, Quantitative Methods)  
Leite, Walter (2005, Quantitative Methods)  
Kim, Soojin (2004, Quantitative Methods)  
McGlohen, Meghan (2004, Quantitative Methods)  
Kruschwitz, Moana (2004, School Psychology)  
Lustina, Michael (2004, Quantitative Methods)  
Burt, Winona (2004, Quantitative Methods)  
Dejiththirat, Kullaya (2004, Area II)  
Cavanaugh, Christie Lee (2004, Special Education)  
Bennett, Laura (2004, Counseling)  
Whittaker, Tiffany (2003, Quantitative Methods)  
Yang, Li-Ren (2003, Civil Engineering)  
Kirchunova, Marina (2003, Counseling Psychology)

Achacoso, Mickey (2002, Areas 1 and Quantitative Methods)  
Summers, Jessica (2002, Area I)  
Davis, Laurie (2002, Quantitative Methods)  
Bravo, Melinda (2002, Counseling)  
Stacy, Cathy (2001, Quantitative Methods)  
Erdur, Ozgur (2002, Counseling)  
Walker, Sarah (2001, Counseling)

Current

Furman, Gleb (Quantitative Methods)  
Lehrer, Matt (Kinesiology & Health Education)  
Gillian, David (Quantitative Methods)  
Kang, Eun Yeon (Communications)  
Talley, Anna (Quantitative Methods)

**2. Masters Report Committee Service**

a. Chair

Completed

Radey, Nathaniel (2016, Mathematics/Statistics co-chair)  
Jaclyn Peek (2016, Mathematics/Statistics)  
Maliki Gossainy (2016, Mathematics/Statistics)  
Mark Bond (2016, Mathematics/Statistics)  
Li, Xiaoyin (2015, Mathematics/Statistics)  
Gonzalez, Daniel (2015, Mathematics/Statistics, co-supervisor)  
Wang, Ni (2014, Mathematics/Statistics)  
Yin, Lei (2014, Mathematics/Statistics)  
Xu, Weiwei (2014, Mathematics/Statistics)  
Bai, Xiao (2014, Mathematics/Statistics)  
Yin, Lei (2013, Mathematics/Statistics)  
Talley, Anna (2013, Program Evaluation)  
Chu, Yiyi (2013, Mathematics/Statistics)  
Wen, Sibe (2013, Mathematics/Statistics)  
Lee, Jane (2013, Mathematics/Statistics)  
Li, Jie (2013, Mathematics/Statistics)  
Li, Yuanhan (2013, Mathematics/Statistics)  
Venkatesan, Harini (2012, Mathematics/Statistics)  
Smith, Lindsey (2009, Mathematics/Statistics)  
Riviello, Clare (2007, Mathematics, co-chair)  
Sophie, Xin (2007, Mathematics/Statistics)  
Li, Xin (2006, Mathematics/Statistics)  
Malta, June (2006, Mathematics/Statistics)  
Chen, Xin (2006, Mathematics/Statistics)  
Nichols, Stephanie (2005, Mathematics/Statistics)  
Rodriguez, Rolando (2004, Mathematics/Statistics)  
Keng, Leslie (2004, Mathematics/Statistics)  
McKeag, Holly (2004, Educational Psychology)  
Dickey, Melissa (2004, Educational Psychology)  
Meyers, J. L. (2003, Program Evaluation)  
McGlohen, M. (2003, Program Evaluation)  
Kim, S. (2003, Program Evaluation)  
Schroeder, K. D. (2002, Educational Psychology)

Shin, Seon-hi (2002, Mathematics/Statistics)

Current

b. Committee Member

Completed

Man Yang Cooper, Sophia (2016, Mathematics/Statistics)  
Wendel, Erica (2016, Educational Psychology)  
Xu, Weiwei (2013, Mathematics/Statistics)  
Sundar, Radhika (2013, Mathematics/Statistics)  
Xiao, Xuan (2013, Mathematics/Statistics)  
Shuangshuang Zhu (2013, Mathematics/Statistics)  
Lockhart, Leland (2011, Program Evaluation)  
Sabouri, Pooneh (2010, Mathematics/Statistics)  
Wunderlich, Ruth (2010, Mathematics/Statistics)  
Li, Xin (2009, Program Evaluation)  
Herren, Jennifer (2007, Educational Psychology)  
Packard, Karen (2004, Educational Psychology)  
Leite, Walter (2003, Program Evaluation)  
Chung, Hyewon (2008, Program Evaluation)

Current

**3. Qualifying Process Committee Service**

a. Chair

Current

Lee, Jihyun (QM Area)

Completed

Gonzalez, Daniel (2018, QM Area)  
Niu, Luping (2017, QM Area)  
Nieto, Rich (2016, QM Area)  
Park, Sunyoung (spring 2015, QM Area)  
Bond, Mark (2014, QM Area)  
Israni, Anita (2013, QM Area)  
Talley, Anna (2012, QM Area)  
Hembry, Ian (2012, QM Area)  
Smith, Lindsey (2011, QM Area)  
Lockhart, Leland (2011, QM Area)  
Wang, Dandan (2009, QM Area)  
Chung, Hyewon (2008, QM Area)  
Xin, Li (2007, QM Area)  
Chen, Tzu-an (2006, QM Area)  
Ho, Tsung-han (2006, QM Area)  
Keng, Leslie (2006, QM Area)  
Brune, Kelly (2005, QM Area)  
Herren, Jenny (2005, School Psychology)  
Johnson, Marc (2003, QM Area)  
Adachi, Eishi (QM Area)  
Kim, Soojin (QM Area)  
Leite, Walter (2003, QM Area)



McGlohen, Meghan (2003, QM Area)

### ***C. Other Individual Instruction and Supervised Research***

#### Research Supervision

I have *italicized* the names of current or former students (if the study was started while the co-author was still a student) who have presented or published papers with me since my promotion to associate professor (i.e., since 2006). As a graduate student I had benefited greatly from working with faculty on their research ideas and I feel that it is a fundamentally important part of our role as faculty members to offer this educational experience to our students. I greatly enjoy the collaborations I have had with students. I find that the experience enhances students' ability to design and conduct studies as well as providing them with essential practice at writing manuscripts and presenting and defending research. Last, I find that the collaboration itself generally improves the quality of the resulting research.

### **III. Research, Publications, and Other Scholarly Activities**

My current scholarly interests focus on the validation of statistical models, evaluating in particular the inferences that result from a researcher's choice of modeling techniques. This general framework encompasses several more specific dimensions including research that involves: 1) evaluation of models using simulation studies (within which data is generated with known parameters and the recovery of these parameters can then be assessed), and 2) application of models using real data sets. Within these two types of studies, my research has frequently included demonstration of the models – the associated assumptions and pertinent inferences that can be made - for less technical audiences. I should note that application of these modeling techniques to real world data sets offers me scenarios in which I can encounter methodological dilemmas that provide fertile opportunities for further research evaluating the models. Within the two kinds of studies I conduct, I am primarily interested in the use and evaluation of multilevel modeling techniques and of meta-analytic techniques.

Since becoming an associate professor, I have made a concerted effort to involve students in any research projects I am conducting. In addition, it is now my policy to include *students as first authors* on any publication on which they have worked with me as long as their contribution was at least 10% of the work. This has meant that while I have been a primary contributor on the majority of articles I have published since tenure, I am not first author on the vast majority of the articles.

#### ***Edited Book***

Roberts, G., Vaughn, S. R., **Beretvas, S. N.** & Wong, V. (Eds.) (2016). *Treatment Fidelity in Studies of Educational Intervention*. New York, NY: Routledge.

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.

#### ***A. Book Chapters***

**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).
- Beretvas, S. N.** (2010). Cross-classified and multiple membership models. In J. Hox & J. K. Roberts (Eds.), *The handbook of advanced multilevel analysis* (pp. 313-334). New York, NY: Routledge.
- Beretvas, S. N.** (2010; 2019). Meta-analysis. In G. R. Hancock & R. Mueller (Eds.) *Quantitative Methods in the Social and Behavioral Sciences: A Guide for Researchers and Reviewers* (pp. 255-263). New York: NY: Routledge.
- Beretvas, S. N., Keith, T. Z., & Carlson, C.** (2010). Methodological issues in family-school partnership research. In S. L. Christenson & A. L. Reschly (Eds.). *The Handbook of School-Family Partnerships for Promoting Student Competence* (pp. 420-447), New York, NY: Routledge.
- Beretvas, S. N.** (2008). *Cross-Classified Random Effects Models*. In A. A. O'Connell & D. Betsy McCoach (Eds.), *Multilevel Modeling of Educational Data* (pp. 161-197). Charlotte, SC: Information Age Publishing.
- Machalicek, W., Davis, T., O'Reilly, M., Beretvas, S. N. et al.* (2008). Teaching social skills in school settings. In Luiselli, J., Russo, D., Christian, W., & Wilczynski, S. (Eds.), *Effective practices for children with autism: Educational and behavioral support interventions that work* (pp. 269-298). Oxford: University Press.
- Beretvas, S. N., & Kamata, A.** (2007). Introduction to the special section on the multilevel measurement model for dichotomous items. Accepted for publication in E. Smith & R. Smith (Eds.) *Rasch Measurement: Advanced and Specialized Applications* (pp. 291-302), JAM Press.
- Beretvas, S. N., Meyers, J. L., Rodriguez, R. A.** (2007). The cross-classified multilevel measurement model: An explanation and demonstration. In E. Smith & R. Smith (Eds.) *Rasch Measurement: Advanced and Specialized Applications* (pp. 405-434), JAM Press.
- Sailors, M., Hoffman, J. V., Pearson, P. D., Matthe, B., & Beretvas, S. N.* (2007). Evaluating the impact of the "Learning for Living" project on the development of literacy skills of learners in low-income communities in South Africa. In C. S. Sunal and K. Mutua (Eds.) *Research on Education in Africa, the Caribbean, and the Middle East* (pp. 121-144). Greenwich, CN: Information Age Press.
- Beretvas, S. N.** (2007). An Introduction to Hierarchical Linear Modeling. Invited chapter accepted for publication in the Third Edition of J. P. Stevens' *Applied Multivariate Statistics for the Social Sciences*, (pp. 321-359). Lawrence Erlbaum Associates, Mahwah, NJ.

## **B. Articles**

- Park, S. & Beretvas, S. N.* (2019). Synthesizing effects for multiple outcomes per study using robust variance estimation versus the three-level model. *Behavior Research Methods*, *51*, 152-171.
- Park, S., & Beretvas, S. N.* (2019). Using total sample size weights in meta-analysis of log-odds ratios. *Journal of Experimental Education*, *87*, 400-414. DOI: 10.1080/00220973.2018.1451295
- Sheridan, S. M., Smith, T. E., Kim, E. M., Beretvas, S. N., & Park, S.* (2019). A meta-analysis of family-school interventions and children's social-emotional functioning: Child and

- community moderators and components of efficacy. *Review of Educational Research*, 89, 296-332.
- Fernández-Castilla, B., Aloe, A. M., Declercq, L., Jamshidi, L., Beretvas, S. N., Onghena, P., & Van den Noortgate, W. (2019). Concealed correlations meta-analysis: A new method for synthesizing standardized regression coefficients. *Behavior Research Methods*, 51, 316-331.
- Baek, E., Beretvas, S. N., Van den Noortgate, W., & Ferron, J. M., (2019). Brief research report: Bayesian versus REML estimation with noninformative priors in multilevel single-case data. *Journal of Experimental Education*, 1-13. doi:10.1080/00220973.2018.1527280
- Leroux, A. J., & Beretvas, S. N. (2018). Estimation of a latent variable regression growth curve model for individuals cross-classified by clusters. *Multivariate Behavioral Research*, 53, 231-246. doi:10.1080/00273171.2017.1418654
- Joo, S., Ferron, J., Moeyaert, M., Beretvas, S., & Van den Noortgate, W. (2019). Approaches for specifying the level-1 error structure when synthesizing single-case data. *Journal of Experimental Education*, 87, 55-74. doi:10.1080/00220973.2017.1409181
- Sanjeevi, N., Freeland-Graves, J., Beretvas, S. N., & Sachdev, P. (2018, in press). Trace element status in Type 2 diabetes: A meta-analysis. *Journal of Clinical and Diagnostic Research*, 12. doi:10.7860/JCDR/2018/35026.11541.
- Leroux, A. J., & Beretvas, S. N. (2018). Estimating a three-level latent variable regression model with cross-classified multiple membership data. *Methodology: European Journal of Research Methods for the Behavioral and Social Sciences*, 14, 30-44. doi:10.1027/1614-2241/a000143
- Park, S., & Beretvas, S. N. (2018). Estimation of the multivariate multiple-membership random effects model with and without missing data. *Multivariate Behavioral Research Abstract*, 53, 145-146.
- Kaang, P., Freeland-Graves, J., Beretvas, S. N., & Sanjeevi, N. (2018). Zinc, copper and iron in oral submucous fibrosis: A meta-analysis. *International Journal of Dentistry*, 2018, doi:10.1155/2018/3472087.
- Verma, N., Beretvas, S. N., Pascual, B., Masdeu, J. C., Markey, M. K. (2018). A biomarker combining imaging and neuropsychological assessment for tracking early Alzheimer's disease in clinical trials. *Current Alzheimer Research*, 15, 429-442. <https://doi:10.2174/1567205014666171106150309>
- Declercq, L., Jamshidi, L., Fernández-Castilla, B., Beretvas, S. N., Moeyaert, M., Ferron, J. M., & Van den Noortgate, W. (2018, in press). Analysis of single-case experimental count data using the linear mixed effects model: A simulation study. *Behavior Research Methods*.
- Kim, S., Freeland-Graves, J. H., Babaeia, M., Sachdeva, P. K., & Beretvas, S. N. (2018) Quantifying the association between acute leukemia and serum zinc, copper, and selenium: A meta-analysis. *Leukemia & Lymphoma*. doi:10.1080/10428194.2018.1540043
- Fernández-Castilla, B., Maes, M., Declercq, L., Jamshidi, L., Beretvas, S. N., Onghena, P. & Van den Noortgate, W. (2018, in press). A demonstration and evaluation of the use of cross-classified random effects models for meta-analysis. *Behavior Research Methods*.
- Joo, S., Ferron, J. M., Beretvas, S. N., Moeyaert, M., Van den Noortgate, W. (2018). The impact of response-guided baseline phase extensions on treatment effect estimates. *Research in Developmental Disabilities*, 79, 77-87. <https://doi.org/10.1016/j.ridd.2017.12.018>
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### C. Manuscripts in Press

- Hou, Y., Benner, A. D., Kim, S. Y., Chen, S., Spitz S., Shi, Y., & **Beretvas, S. N.** (2019, in press). Discordance in parents' and adolescents' reports of parenting: A meta-analytic study. *American Psychologist*.

### D. Manuscripts under Review

- Moeyaert, M., Akhmedjanova, D., Ferron, J., **Beretvas, S. N.**, & Van den Noortgate, W. (2019, submitted). *Effect size estimation for mixed single-case experimental designs*. Manuscript submitted for publication in EBCAI.
- Smith, T. E., Sheridan, S. M., Kim, E. M., Park, S., & **Beretvas, S. N.** (2018). The effects of family-school partnership interventions on academic and social-emotional functioning: A meta-analysis exploring what works for whom. Manuscript submitted for publication to *School Psychology Quarterly*.
- Declercq, L., Cools, W., **Beretvas, S. N.**, Moeyaert, M., Ferron, J. M., & Van den Noortgate, W. (2018, submitted). *MultiSCED: A tool for (meta-)analyzing single-case experimental data with multilevel modeling*. Manuscript submitted for publication.
- Fernández-Castilla, B., Declercq, L., Jamshidi, L., **Beretvas, S. N.**, Onghena, P., & Van den Noortgate, W. (2018, submitted). *Detecting publication and reporting bias in multilevel meta-analyses: A simulation study*. Manuscript submitted for publication.
- Park, S., & **Beretvas, S. N.** (2017, submitted). Assessing estimation of the three-level meta-analysis model for synthesizing effects for multiple outcomes per study. Manuscript submitted for publication.
- Jamshidi, L., Heyvaert, M; Declercq, L., Fernández-Castilla, B., Ferron, J. M., Moeyaert, M., **Beretvas, S. N.**, Onghena, P., Van den Noortgate, W. (2017, submitted). *Methodological quality of meta-analyses of single-case experimental studies*. Manuscript submitted for publication.
- Guz, S., Park, S., Zhang, A., **Beretvas, S. N.**, Franklin, C., & Kim, J. (2017, submitted). Characteristics of effective school-based, teacher delivered mental health services for children and adolescents: A secondary data analysis using meta-regression, *Children and Youth Services Review*.

### E. Series Proposal

- Beretvas, S. N.** (Fall, 2007). Series proposal accepted for publication by Oxford University Press. I will serve as the editor of the *Understanding Statistics* and *Understanding Measurement* series. Each volume will cover a single analytic technique (e.g. SEM, reliability, item response theory, etc.). The *Reliability* and *Item Response Theory* books came out in 2010.



#### **F. Papers at National Research Conferences**

- Nduaguba, S.O., Barner, J.C., Ford, K.C., Wilson, J.P., Lawson, K.A., Barnes, N.J., Beretvas, S. N.* (2019, May). *Reducing health disparities among blacks with human immunodeficiency virus – A focus on quality of care*. Poster submitted for presentation at the International Society for Pharmacoeconomic and Outcomes Research, New Orleans, LA.
- Chen, M. & Beretvas, S. N.* (2019, April). Centering covariates in mixed-effects Meta-regression models. Paper to be presented at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Combs, T. J. & Beretvas, S. N.* (2019, April). Publication bias of coefficient- $\alpha$  in reliability generalization studies. Paper to be presented at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Lee, Y. R & Beretvas, S. N.* (2019, April). *Effects of ignoring level-2 variability in level-1 residual variances on cross-classified mixed effects location-scale models*. Poster submitted for presentation at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Cain, M. E. & Beretvas, S. N.* (2019, April). *Testing publication bias using random effects Egger's regression with the Knapp-Hartung correction*. Paper to be presented at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Joshi, M., Cappelli, P., & Beretvas, S. N.* (2019, April). Cluster wild bootstrapping to handle dependent effect sizes with small sample sizes. Paper to be presented at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Lee, K., & Beretvas, S. N.* (2019, April). *Comparison of meta-analytic methods for synthesizing correlations for meta-analytic structural equation modeling with missing data*. Paper to be presented at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Beretvas, S. N.** & Moeyaert, M. (2019, April). *Recognizing model uncertainty using Bayesian model averaging of effect sizes for multiple baseline design data*. Paper to be presented at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Park, S., Hamilton, B., Dedrick, D., & Beretvas, S. N.* (2019, April). *Quantitative meta-analyses: A review of current practice*. Paper to be presented at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Beretvas, S. N., Gonzalez, D. P., Park, S., Moeyaert, M., Van den Noortgate, W., & Ferron, J. M.** (2018). *How can we obtain unbiased ICC estimates for small sample size datasets?* Paper presented at the Small Sample Size Solutions conference, Utrecht, Netherlands.
- Lee, K., Gonzalez, D. P., & Beretvas, S. N.* (2018). *Correcting measurement error in a conditional latent growth model using the single indicator factor approach*. Paper presented at the annual meeting of the American Educational Research Association, New York, N.Y.
- Fernández-Castilla, B., Aloe, A. M., Beretvas, S. N., Onghena, P., Van den Noortgate, W.* (2018). *Concealed correlations meta-analysis approach: A new method for synthesizing standardized regression coefficients*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Niu, L. & Beretvas, S. N.* (2018). *Comparing RVE versus GLS for Spearman Brown-corrected reliability generalization of multidimensional measures and different Forms*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Niu, L. & Beretvas, S. N.* (2018). *The multilevel measurement model for partially clustered individuals*. Paper presented at the annual meeting of the National Council on Measurement in Education, New York, NY.
- Kim, E., Beretvas, S. N., Smith, T., & Park, S. Y.* (2017, August). *Family-School interventions and academic and social behavioral outcomes: What matters?* Paper presented at the annual meeting of American Psychological Association, Washington, DC.

- Kim, E., Sheridan, S., **Beretvas, S. N.**, Smith, T., & Park, S. (2016). *The effects of family-school interventions on children's academic and social-emotional adjustment: A meta-analysis*. Paper presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.
- Runyon, C. & **Beretvas, S. N.** (2017, April). *Estimating instantaneous and maximum treatment effect sizes for nonlinear treatment-phase trajectories in single-subject experimental design studies*. Paper presented at the annual meeting of the American Education Research Association, San Antonio, TX.
- Gonzalez, D. P., **Beretvas, S. N.**, & Runyon, C. (2017, April). A demonstration and evaluation using single-subject experimental design studies data. *Paper presented at the annual meeting of the American Education Research Association, San Antonio, TX.*
- Runyon, C., Gonzalez, D., Chung, S., Lee, S., and **Beretvas, S. N.** (2016, April). *Modeling non-linear trajectories and variance dependencies in multi-level meta-analyses of single-subject experimental designs*. Paper to be presented at the annual meeting of the American Education Research Association, Washington, DC.
- Gonzalez, D., Runyon, C., Chung, S., Lee, S., & **Beretvas, S. N.** (2016, April). *Accounting for Variability in Intraclass Correlation Estimates in Power Analyses for Cluster Randomized Trials*. Paper to be presented at the annual meeting of the American Education Research Association, Washington, DC.
- Israni, A., & **Beretvas, S. N.** (2016, April). *Bayesian Estimation of a Second-Order Parallel Process Latent Growth Model*. Paper presented at the annual meeting of the American Education Research Association, Washington, DC.
- Park, S. & **Beretvas, S. N.** (2016, April). *Assessing estimation of the three-level meta-analysis model: Synthesizing effect sizes for multiple outcomes per study*. Paper presented at the annual meeting of the American Education Research Association, Washington, DC.
- Israni, A., & **Beretvas, S. N.** (2016). *Bayesian estimation of the indirect effect in a mediation model with cross-classified data*. Paper presented at the annual meeting of the American Education Research Association, Washington, DC.
- Leroux, A., & **Beretvas, S. N.** (2016). *Mobility in three-level longitudinal data: An evaluation of the cross-classified multiple-membership latent variable regression model*. Paper presented at the annual meeting of the American Education Research Association, Washington, DC.
- Lopez Wallace, M., & **Beretvas, S. N.** (2016). *Modeling cross-classified data with and without the crossed factors' random effects' interaction*. Paper presented at the annual meeting of the American Education Research Association, Washington, DC.
- Galindo, J., & **Beretvas, S. N.** (2016). *The impact of weights' specifications with the multiple membership random effects model*. Paper presented at the annual meeting of the American Education Research Association, Washington, DC.
- Israni, A., & **Beretvas, S. N.** (2015). *Bayesian estimation of a cross-classified, multilevel mediation model*. Paper presented at the annual Modern Methods conference, Storrs, Connecticut.
- Chang, W., Pituch, K., & **Beretvas, S. N.** (2015). *Sufficient sample sizes for multivariate multilevel analysis with random intercepts*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- Chang, W., **Beretvas, S. N.**, & Pituch, K. (2015). *Sample size requirements for the random-coefficients multivariate multilevel model*. Paper to be presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- Leroux, A., & **Beretvas, S. N.** (2015). *Estimating a three-level latent variable regression model with cross-classified multiple membership data*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.

- Murphy, D., & **Beretvas, S. N.** (2014). *Measuring teacher effectiveness with cross-classified random effects model*. Paper presented at the annual meeting of the National Council on Measurement in Education, Philadelphia, Pennsylvania.
- Moeyaert, M., Bunuan, R., & **Beretvas, S. N.** (2014). *Multilevel meta-analysis of alternating treatment design studies: A Monte Carlo simulation study*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, Pennsylvania.
- Bunuan, R., & **Beretvas, S. N.** (2014). *Review of functional forms in intervention phases of multiple-baseline designs*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, Pennsylvania.
- Kaplan, A., & **Beretvas, S. N.** (2014). *Estimation of extensions to the multiple-membership and cross-classified random effects models*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, Pennsylvania.
- Beretvas, S. N.**, Chu, Y., Bunuan, R., & Schaefer, K. (2014). *Handling count data outcomes trajectories in multiple-baseline design studies*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, Pennsylvania.
- Chu, Y., & **Beretvas, S. N.** (2014). *Bayesian mediation analysis for partially clustered data*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, Pennsylvania.
- Beretvas, S. N.**, & Hembry, I. (2013). *A comparison of models used to describe nonlinear trajectories in multiple baseline design data*. Paper presented at the AERA annual meeting, San Francisco, CA.
- Beretvas, S. N.**, Sundar, R., & Hembry, I. (2013). *Meta-analysis of single-case design studies with multiple baselines across participants and settings*. Paper presented at the AERA annual meeting, San Francisco, CA.
- Talley, A. E., **Beretvas, S. N.** (2013). *The impact of nonnormal and heteroscedastic level one residuals in partially clustered data*. Paper presented at the AERA annual meeting, San Francisco, CA.
- Ferron, J. M., Van den Noortgate, W., **Beretvas, S. N.**, Moeyaert, M., Ugille, M., Petit-Bois, M., & Baek, E. K. (2013). *Synthesis of single-case experimental data: A comparison of alternative multilevel approaches*. Paper presented at the SREE Spring meeting, Washington, D.C.
- Beretvas, S. N.** (2012). *Random-effects models for assessing rater severity and differential rater functioning*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.
- Beretvas, S. N.**, & Chung, H. (2012). *Bayesian estimation of nonlinear trajectories for multiple baseline design data*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.
- Li, X., & **Beretvas, S. N.** (2012). *An evaluation of the use of multilevel structural equation modeling for mediation analyses*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.
- Chung, H., & **Beretvas, S. N.** (2012). *A comparison of methods for handling cross-classified multiple membership data structures*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.
- Mulloy, A. M., & **Beretvas, S. N.** (2012). *Heterogeneous level-one phase variances in three-level meta-analysis of single-subject research data*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.
- Wolff Smith, L. J., & **Beretvas, S. N.** (2012). *The impact of using incorrect weights with the multiple membership random effects model*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.

- Leroux, A. J., & Beretvas, S. N. (2012). *Using the multiple membership random effects model to estimate treatment effects with condition- and cluster switchers*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.
- Beretvas, S. N. (2011). *Estimation of nonlinear trajectories for multiple baseline design data*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Beretvas, S. N., & Wang, D. (2011). *Synthesis of count data outcome trajectories in single-subjects' experimental design studies*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Beretvas, S. N., & Lockhart, L. L. (2011). *Testing sample size limits for the estimation of growth mixture models*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Cawthon, S. W., Beretvas, S. N., Kaye, A., & Lockhart, L. L. (2011). *Effects of linguistic complexity and accommodations on NAEP item difficulty for students with learning disabilities*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Bandalos, D. L., Beretvas, S. N., & Taylor, C. (2011). *A general framework for assessing DIF using factor mixture models*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Wolff Smith, L. J., & Beretvas, S. N. (2011). *Comparison of the effects of models and techniques for handling student mobility*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Chung, H., & Beretvas, S. N. (2011). *A comparison of longitudinal data analysis methods for modeling student mobility*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Grady, M. W., & Beretvas, S. N. (2011). *Modeling achievement in the presence of student mobility: A growth curve model for multiple membership data*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Beretvas, S. N., & Walker, C. M. (2010). *Extending the multilevel measurement model for differential testlet functioning identification: A demonstration and evaluation*. Paper presented at the annual meeting of the National Council on Measurement in Education, Denver, CO.
- Murphy, D., & Beretvas, S. N. (2010). *An evaluation of the performance of information criteria for correct cross-classified random effects model selection*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.
- Beretvas, S. N., & Leite, W. L. (2010). *A Comparison of multiple-membership and cross-classified random effects models*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.
- Murphy, D., Beretvas, S. N., & Pituch, K., (2010). *The effects of serial correlation on the curve-of-factors growth model*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.
- Cawthon, S., Beretvas, S. N., Lockhart, L. L., & Kaye, A. (2010) *Factorial validity assessment of opportunity to learn measures using 4<sup>th</sup> grade NAEP indicators*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.
- Grady, M., & Beretvas, S. N. (2010). *Incorporating student mobility in achievement growth modeling: A cross-classified multiple membership growth curve model*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.
- Wolff Smith, L. J., & Beretvas, S. N. (2010). *Estimation of the standardized mean difference for repeated measures designs*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.

- Chen, T-A., & **Beretvas, S. N.** (2010). *A comparison of two multilevel testlet models*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.
- Chung, H., & **Beretvas, S. N.** (2010) *Addressing student mobility in educational data: A comparison of methods for handling multiple-membership data structures*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.
- Beretvas, S. N.**, & Chung, H. (2010). *Modeling within-study dependence in multiple-baseline designs meta-analysis*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.
- Lockhart, L., **Beretvas, S. N.**, Cawthon, S., & Kaye, A. (2010). *A multilevel measurement model that assesses whether accommodations moderate linguistic complexity's effect on items' difficulties*. Poster presented at the annual meeting of the National Council on Measurement in Education, Denver, CO.
- Chung, H., & **Beretvas, S. N.** (2010). *A comparison of methods for handling cross-classified multiple-membership data structures in longitudinal datasets*. Paper presented at the American Psychological Association in San Diego, CA.
- Beretvas, S. N.**, Meyers, J. L., Chung, H. (2009). *Modeling rater severity using multiple membership cross-classified random effects models*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Wang, D., & **Beretvas, S. N.** (2009). *Testing the heterogeneity of coefficient alpha: A type I error and power analysis*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Beretvas, S. N.** (2009). *Demonstration of fixed-effects model alternatives for synthesizing correlation and covariance matrices*. Invited paper presented at the annual meeting of the Association for Psychological Science, San Francisco, CA.
- Kim, S.-H., **Beretvas, S. N.**, & Sherry, A. (2008, August). *The process involved in factor mixture model selection*. Paper presented at the annual meeting of the American Psychological Association, Boston, MA.
- Kim, S.-H., Sherry, A., & **Beretvas, S. N.** (2008, August). *The dose-effect relationship in college counseling centers*. Paper presented at the annual meeting of the American Psychological Association, Boston, MA.
- Beretvas, S. N.**, Chung, H., Machalicek, W., & Riviello, C. (2008, May) *Computation of Regression-Based Effect Size Measures*. Paper presented at the 8<sup>th</sup> Annual International Campbell Collaboration Colloquium in Vancouver, Canada.
- Beretvas, S. N.**, & Chung, H. (2007, May). *R-squared change effect size estimates for single-subject meta-analyses*. Paper presented at the 7<sup>th</sup> Annual International Campbell Collaboration Colloquium in London, England.
- Keng, L., Leite, W. L., & **Beretvas, S. N.** (2008, March). *Comparing Growth Mixture Models when Measuring Latent Constructs with Multiple Indicators*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Furlow, C. F., & **Beretvas, S. N.** (2008, March). *Selection of an Appropriate Sample Size for Meta-Analytic Structural Equation Modeling with Missing Data*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Machalicek, W. A., O'Reilly, M. F., **Beretvas, S. N.**, Sigafoos J., & Lancioni, G. (2007, February). *Students with autism aged 3-21 years: A ten year review of the treatment of challenging behavior in school settings*. Paper presented at the Association for Behavior Analysis International Conference on Autism, Boston, MA.
- Machalicek, W., O'Reilly, M., **Beretvas, S. N.**, Sigafoos, J., & Lancioni, G. (2007, February). *A review of interventions to reduce challenging behavior in school settings for students with autism spectrum disorders*. Poster presented at Progress and Challenges in the Behavioral Treatment of Autism, Boston, MA.

- Li, X., & **Beretvas, S. N.** (2006, August). *Assessing and Correcting for Publication Bias: A Description and Comparison*. Paper presented at the American Psychological Association in New Orleans, LA.
- Furlow, C. F., **Beretvas, S. N.**, & Keng, L. (2006, August). *Effective sample size for use with meta-analytic structural equation modeling with different patterns of missing data*. Paper presented at the annual APA meeting, New Orleans, LA.
- Beretvas, S. N.** (2006, June). *Meta-analysis of single-subject designs*. Invited paper presented at the annual meeting of the Institute of Education Sciences, Washington, DC.
- Allua, S., **Beretvas, S. N.**, & Stapleton, L. M. (2006, April). *Measurement invariance revisited: A demonstration of a series of multilevel CFA models*. Paper presented at the annual AERA meeting, San Francisco, CA.
- Whittaker, T., **Beretvas, S. N.**, & Leite, W. L. (2006, April). *A model for longitudinal dyadic data: A comparison using HLM versus SEM*. Paper presented at the annual AERA meeting, San Francisco, CA.
- Pituch, K. A., Stapleton, L. M., & **Beretvas, S. N.** (2006, April). *A comparison of multilevel mediation analysis methods in the presence of nonnormal data*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Beretvas, S. N.** (2005, August). *Methodological dilemmas encountered in meta-analytic SEM: An evaluation and review*. Paper presented at the annual APA meeting, Washington, DC.
- Weisgram, E., & **Beretvas, S. N.** (2005, August). *Evaluation of meta-analytic methods used to calculate composite effect sizes*. Paper presented at the annual APA meeting, Washington, DC.
- Beretvas, S. N.**, & Furlow, C. F. (2005, April). *Covariance Matrix Synthesis for Meta-Analytic SEM with Missing Data: An Evaluation and Demonstration for Educational Researchers*. Paper presented at the annual AERA meeting, Montréal, Canada.
- Keng, L., & **Beretvas, S. N.** (2005, April). *The impact of publication bias on correlation estimation*. Paper presented at the annual AERA meeting, Montréal, Canada.
- Beretvas, S. N.**, & Furlow, C. F. (2004, April). *Evaluation of an approximate method for synthesizing covariance matrices for use in meta-analytic SEM*. Paper presented at the annual AERA meeting, San Diego, CA.
- Leite, W. L., & **Beretvas, S. N.** (2004, April). *The performance of multiple imputation for Likert-type items with missing data*. Paper presented at the annual AERA meeting, San Diego, CA.
- Shin, S., & **Beretvas, S. N.** (2004, April). *Item analysis of a polytomous nonlinear mixed model using SAS PROC NLMIXED*. Paper presented at the annual AERA meeting, San Diego, CA.
- Beretvas, S. N.** (2004, August). *Methodological challenges and solutions in evidence-based practice*. Paper presented at the annual APA meeting, Honolulu, Hawaii.
- Sailors, M., **Beretvas, S. N.**, Hoffman, J. V., & Pearson, P. D. (2003, December). *International perspectives on literacy instruction and literacy teacher education – South Africa*. Paper presented at the annual meeting of the National Reading Conference, Scottsdale, AZ.
- Beretvas, S. N.**, Hoffman, J. V., & Pearson, P. D. (2003, December). *Findings from the evaluation of the million learner project: Years 1 through 3*. Paper presented at the annual meeting of the National Reading Conference, Scottsdale, AZ.
- Sailors, M., & **Beretvas, S. N.** (2003, December). *The effects of first and second language instruction in South African rural schools*. Paper presented at the annual meeting of the National Reading Conference, Scottsdale, AZ.
- Carlson, C., **Beretvas, S. N.**, McCarthy, C. (2003, August). *Reconciling Family Systems and Parenting Style Approaches in Measurement*. Poster presented at the annual APA meeting, Toronto, CA.
- Beretvas, S. N.**, & Furlow, C. (2003, April). *An evaluation of meta-analytic techniques for pooling Correlation Matrices*. Paper presented at the annual AERA meeting, Chicago, IL.

- Pastor, D. A., & **Beretvas, S. N.** (2003, April). *An Illustration of Longitudinal Rasch Modeling in the Context of Psychotherapy Outcomes Assessment*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, IL.
- Williams, N. J., & **Beretvas, S. N.** (2003, April). *Parameter estimation under HGLM versus IRT for polytomous items*. Paper presented at the Annual AERA meeting, Chicago, IL.
- Shin, S-H., & **Beretvas, S. N.** (2003, April). *Effects of error covariance modeling using the linear mixed model with longitudinal data*. Paper presented at the Annual AERA meeting, Chicago, IL.
- Meyers, J. L., & **Beretvas, S. N.** (2003, April). *Type I error rates and power of three variations of Scheffé's multiple comparison procedure*. Paper presented at the Annual AERA meeting, Chicago, IL.
- Leite, W. L., & **Beretvas, S. N.** (2003, April). *A Construct Validation Study of the Marlowe-Crowne Social Desirability Scale and the Balanced Inventory of Desirable Responding*. Paper presented at the Annual AERA meeting, Chicago, IL.
- Green, V. J., & **Beretvas, S. N.** (2003, April). *The influence of gender and group composition on resource use among unfamiliar peers*. Paper presented at the biennial meeting of the Society for Research in Child Development, Tampa, FL.
- Beretvas, S. N.**, Pearson, P. D., & Hoffman, J. (2003). *Year 3 Progress Report on the Evaluation of the Read Business Trust Project*. Paper presented at the Third Pan-African Conference on Reading for All, Kampala, Uganda.
- Pearce, J., Schmidt, K., & **Beretvas, S. N.** (2003). *In-Class Demonstrations to Make Electrical Circuits Easier to Understand*. Paper presented at the annual meeting of the American Society for Electrical Engineers, Nashville, TE.
- Beretvas, S. N.**, & Williams, N. J. (2002, April). *The Use of HGLM as a Dimensionality Assessment*. Paper presented at the annual AERA meeting, New Orleans, LA.
- Beretvas, S. N.**, & Whittaker, T. A. (2002, April). *Consistency of Bookmark Standard-Setting Outcomes: Difficulty Locations and Proficiency Levels*. Paper presented at the annual AERA meeting, New Orleans, LA.
- Zack, J. S., & **Beretvas, S. N.** (2002, August). *Development of the Attitudes Toward Online Counseling Services Scale*. Paper presented at the annual APA meeting, Chicago, IL.
- Beretvas, S. N.**, & Bravo, M. (2001, August). *Development of the cognitions about technology inventory*. Paper presented at the annual APA meeting, San Francisco, CA.
- Summers, J., **Beretvas, S. N.**, Gorin, J., & Svinicki, M. (2001, August). *Tools for evaluating cooperative learning in higher education*. Poster presented at the annual APA meeting, San Francisco, CA.
- Beretvas, S. N.** & Walker, C. M. (2000, April). *Proficiency level classifications compared using Rasch versus non-Rasch models*. Paper presented at the annual AERA meeting, New Orleans, LA.
- Walker, C. M. & **Beretvas, S. N.** (2000, April). *Using multidimensional versus unidimensional ability estimates to determine student proficiency in mathematics*. Paper presented at the annual AERA meeting, New Orleans, LA.
- Hirschstein, M & **Beretvas, S. N.** (2000, April). *A multilevel analysis of effects of a social-emotional learning program, Second Step, on students and teachers*. Paper presented at the annual meeting of the American Educational Association, New Orleans, LA.
- Walker, C. M., **Beretvas, S. N.**, & Ackerman, T. A. (1999, April). *An examination of conditioning variables in DIF analyses in a computer adaptive testing situation*. Paper presented at the annual meeting of the National Council of Measurement in Education, Montreal, Canada.
- McCutchen, D., Abbott, R. D., & **Beretvas, S. N.** (1999, April). *Beginning literacy: Changing teacher knowledge and student learning*. Paper presented at the annual meeting of the Society for the Scientific Study of Reading, Montreal, Canada.

- Klockars, A. J. & **Beretvas, S. N.** (1998, March). *Randomized blocks and analysis of covariance for identifying additive treatment effects and interaction with heterogeneous slopes*. Paper presented at the annual AERA meeting, San Diego, CA.
- Klockars, A. J. & **Beretvas, S. N.** (1997, March). *Power to detect additive treatment effects with randomized block designs*. Paper presented at the annual AERA meeting, Chicago, IL.

### G. Papers Presented at Regional Research Conferences

- Sherry, A., & **Beretvas, S. N.** (2005, February) *Validating scores on personality assessments*. Paper presented at the annual SERA meeting, New Orleans, LA.
- Kim, S., & **Beretvas, S. N.** (2003, February). *Testing Factor Invariance Across Three Mathematics Levels Exams*. Paper presented at the annual SERA meeting, San Antonio, TX.
- Beretvas, S. N.**, Pastor, D. A., & Leite, W. L. (2002, February). *Choosing a Statistical Technique for Conducting an RG Study*. Paper presented to the annual meeting of Southwest Educational Research Association, Austin, TX. [Invited].
- Beretvas, S. N.** (2002, February). *How do Faculty Interpret Statistical Results?* Paper presented to the annual meeting of Southwest Educational Research Association, Austin, TX.
- Beretvas, S. N.** (2000, December). *A comparison of proficiency level categorizations using different IRT models*. Paper presented as part of a symposium on research being conducted on the Washington state assessment at the Winter Meeting of the Washington Educational Research Association, Seattle, WA. [Invited].

### H. Workshops/Short Courses

- Pigott, T., Williams, R., Aloe, A., **Beretvas, S. N.**, & Van den Noortgate, W., (April, 2019). *Advanced Meta-Analysis Workshop*. Professional development workshop to be presented at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Pigott, T., **Beretvas, S. N.**, Polanin, J., Tipton, E., & Williams, R. (2018-2020). *Meta-Analysis Training Institute*. IES-sponsored workshop presented at Loyola University, Chicago, Illinois.
- Beretvas, S. N.** (2017). *Introduction to Meta-Analysis*. Workshop presented at the annual University of Texas Summer Statistics Institute.
- Beretvas, S. N.**, Moeyaert, M., Van den Noortgate, W., & Ferron, J. M. (2017). *Using multilevel modeling to meta-analyze single-case experimental design studies' results*. Workshop presented at the annual meeting of the American Educational Research Association, San Antonio, Texas.
- Beretvas, S. N.** & Park, S. (2017). *Advanced meta-analysis: Handling multiple effect sizes per study using robust variance estimation*. Workshop presented at the annual meeting of the Society for Social Work Research, New Orleans, Louisiana.
- Beretvas, S. N.**, Van den Noortgate, W., & Ferron, J. M. (2014). *Using multilevel modeling to meta-analyze single-case experimental design studies' results*. Workshop presented at the annual meeting of the American Educational Research Association, Philadelphia, Pennsylvania.

### Multilevel modeling

2008, March	AERA, New York, NY	Beretvas, S. N.
2006, August	AERA, San Francisco, CA	Beretvas, S. N., & Roberts, J. K.
2006, April	APA, New Orleans, LA	Beretvas, S. N., & Roberts, J. K.
2006, February	SERA, Austin, TX	Beretvas, S. N., & Roberts, J. K.
2005, April	AERA, Montréal, Canada	Beretvas, S. N., & Roberts, J. K.
2005, February	SERA, New Orleans, LA.	Beretvas, S. N., & Roberts, J. K.
2003, February	SERA, San Antonio, TX	Beretvas, S. N., & Pituch, K.
2002, May	IRA, San Francisco, CA	Beretvas, S. N.
1999, December	WERA, Tacoma, WA	Beretvas, S. N.



## ***I. Research and Training Grants***

### **Funded, Federal**

#### **Institute of Education Sciences**

Status: Co-PI: Funded

Title: *School-Based Marginalization, Social-Behavioral Competencies, and Achievement: A Meta-analysis*

Funding: \$348,503

Duration: 9/1/2019 - 8/31/2021

#### **Institute of Education Sciences**

Status: Co-PI: Funded

Title: *Meta-Analysis Training Institute*

Funding: \$56,902 (for UT);

Duration: 9/1/2017 - 8/31/2020

#### **National Science Foundation**

Status: Co-PI: (Jennifer Cromley, UIUC is PI) Funded

Title: *Meta-Analysis to Support an Integrated Theory of Multimedia Learning: An ECR Synthesis*

Funding: \$41,307 (for UT);

Duration: 08/15/2017 - 08/14/2019

#### **Institute of Education Sciences**

Status: Co-PI: Funded (R305A160027)

Title: *Research Synthesis of the Effects of Classroom Structure on Student Motivation, Engagement, and Achievement*

Funding: \$383,768

Duration: 9/1/2016 - 6/01/2019

#### **Institute of Education Sciences**

Status: Co-PI; Funded

Title: *Multilevel Modeling of Single-Subject Experimental Data: Handling Data and Design Complexities*

Funding: \$260,150 (for UT); \$899,524 (UT, USF, KU-Leuven total)

Duration: 8/1/2015 – 7/31/2019

### **Completed, Federal**

#### **Institute of Education Sciences**

Status: One of three PIs; Completed

Title: *Multilevel synthesis of single-case experimental data: Further developments and empirical validation*

Funding: \$899,559 total; \$262,622 dedicated to UT.

Duration: 7/1/2011 – 6/30/2014

#### **Institute of Education Sciences**

Status: Co-PI; Completed

Title: *A meta-analysis of parent involvement interventions and family-school partnerships' effects on student outcomes*

Funding: \$699,997 total; \$115,033 dedicated to UT.

Duration: 6/1/2012 – 5/31/2014

### **Institute of Education Sciences**

Status: PI; Completed.

Co-PIs: Drs. Jeff Sigafoos and Mark O'Reilly, Department of Special Education, UT.

Title: *Methodological investigation of meta-analytic techniques used to synthesize single-case research design results*

Funding: \$167,758.

Duration: 1/1/2006 – 12/31/2006

### **Funded, UT and other**

#### **Special Research Grant – The University of Texas at Austin**

Status: PI; Completed.

Title: *Sample Size's Impact on the Functioning of the Four-Parameter Regression Model and of the Autocorrelation Estimator*

Funding: \$6,000 to purchase necessary statistical software and to fund graduate assistants.

Duration: Fall through Summer, 2005-2006

#### **Education Coordination Group (ECG) of the Campbell Collaboration**

Status: PI; Awarded grant.

Co-PI: Dr. Cindy Carlson, School Psychology Area of Educational Psychology.

Title: *The impact of school-based programs designed to enhance home-school partnerships and parent involvement*

Funding: Received \$14,593 to fund students' assistance with project.

Duration: Fall, 2005

#### **Special Research Grant – The University of Texas at Austin**

Status: PI; Completed.

Title: *The Cross-Classified Multilevel Measurement Model: Sample Size Guidelines for its Estimation*

Funding: \$409 to purchase necessary statistical software.

Duration: Fall, 2004.

#### **American Educational Research Association**

Status: PI; Completed.

Title: *Extension of the Hierarchical Generalized Linear Model for Validation of Test Scores' Psychometric Functioning*

Funding: \$19,473.

Duration: May through December, 2003.

#### **Special Research Grant – The University of Texas at Austin**

Status: PI; Completed.

Title: *A Reliability Generalization Study of the Marlowe-Crowne Social Desirability Scale*

Funding: \$750.

Duration: Fall, 2001.

#### **Summer Research Assignment – The University of Texas at Austin**

Status: PI; Completed.

Title: *Type I error rates of DIF statistics for ability distributions with heterogeneous variances*

Funding: \$13,000.

Duration: Summer, 2001.

**FasTex Grant – The University of Texas at Austin**

Status: PI; Completed.

Duration: February – July, 2001

Title: *Enhancing students' learning of statistics through an integration of dynamic assessment and technology*

Funding: Graduate assistant to assist with project

Duration: Spring, 2001.

**J. Scholarly Review Activities****Co-Editor in Chief***Research Synthesis Methods* 1/2017-12/2018**Associate Editor***Journal of School Psychology* 2011-2013*Journal of Educational Psychology* 2011-2012**Editorial Review Board***Journal of Educational Measurement* January, 2017-ongoing*Journal of Experimental Education* Fall, 2015-ongoing*AERA Open* Fall, 2014-ongoing*Research Synthesis Methods* 2013-ongoing*Journal of Research on Educational Effectiveness* 2013-2016*Current Drug Abuse Reviews* 2008-2011*Structural Equation Modeling* 2007-ongoing*Journal of Educational Psychology* 2007-2010*Journal of Advanced Academics* 2007-2014*American Educational Research Journal* 2004-2011*Educational and Psychological Measurement* 2002-2015*Reading Research Quarterly* 2002-2011**Special Issue Guest Editor**Co-editor of a special issue in the *Journal of Applied Measurement on the Multilevel Measurement Model*.**Ad hoc Reviewer***American Statistician* 2006*Applied Psychological Measurement* 2004-2007, 2012*Behavior Research Methods* 2008, 2010, 2012, 2016, 2017*Behavior Therapy* 2010*British Journal of Mathematical and Statistical Psychology* 2007-2010, 2012, 2014, 2015*Contemporary Educational Psychology* 2001*Developmental Neurorehabilitation* 2015*Educational Psychology Review* 2012*Educational Assessment* 2015*Elementary School Journal* 2009*Evidence-Based Communication Assessment and Intervention* 2011*International Journal of Behavioural Development* 2014*Journal of Advanced Academics* 2006, 2007, 2013*Journal of Aphasiology* 1999*Journal of Clinical Epidemiology* 2015*Journal of Educational and Behavioral Statistics* 2005, 2008, 2009, 2017*Journal of Educational Measurement* 2001, 2002, 2005-2010, 2015*Journal of Educational Psychology* 2002, 2005-2007, 2010

<i>Journal of Experimental Education</i>	2003, 2012-2014
<i>The Journal of Pediatrics</i>	2015
<i>Journal of Sport Management</i>	2003
<i>Methodology</i>	2010, 2015
<i>Multivariate Behavioral Research</i>	2007-2011, 2014, 2016-2018
<i>Neuropsychological Rehabilitation</i>	2013
<i>National Reading Conference Yearbook</i>	2003
<i>Psicothema</i>	2009
<i>Psychological Methods</i>	2003-2010, 2013-2016
<i>Psychometrika</i>	2004-2008, 2012
<i>Research Synthesis Methods</i>	2012
<i>Structural Equation Modeling</i>	2005, 2006
<i>Sociological Methods and Research</i>	2009, 2010

**American Educational Research Association Reviewer Panels for Conference:**

2017-2019	Systematic Review and Meta-Analysis SIG
2017	Multilevel Modeling SIG
2016	Educational Statisticians SIG
2015	Hierarchical Linear Modeling SIG
2013	Educational Statisticians special interest group (SIG)
2012	Educational Statisticians SIG, Hierarchical Linear Modeling SIG
2011	AERA-Division D2 (Quantitative Methods and Statistical Theory), Educational Statisticians SIG, Hierarchical Linear Modeling SIG Structural Equation Modeling SIG
2010	AERA-Division D2 (Quantitative Methods and Statistical Theory), Hierarchical Linear Modeling SIG, AERA-C3 (Learning and Instruction - Mathematics)

**Conference Proposal Reviewer**

2010, 2012-2015, 2017	Society of Research on Educational Effectiveness (SREE)
2000-2009, 2015	NCME
2000-2009	AERA Division D SEM SIG HLM SIG

**Textbook Reviewer**

2008	Review second edition of Joop Hox's " <i>Multilevel Analysis: Techniques and Applications</i> " as paid reviewer.
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**K. Program Chair**

- 2011-2013 Served as Program co-Chair for AERA-Division D Section 2 (Quantitative Methods and Statistical Theory)
- 2007-2009 Served two terms as President of the *Educational Statisticians' SIG* of AERA.
- 2007-2008 Served as Program Co-chair for annual meeting of the *National Council of Measurement in Education* in New York City, NY.
- 2006-2007 Served as Program Chair for the *Educational Statisticians SIG* of AERA.
- 2004-2005 Served as Program Chair for AERA's *Hierarchical Linear Modeling SIG*
- 2003, 2004 Served as Program Chair for Division III (Methodology, Measurement and Evaluation) program for SERA (Southwest Educational Research Association)

#### **IV. Academic Advising, Counseling, and Other Student Services**

##### **A. Academic Advising**

###### Quantitative Methods program Advising

As Chair of the Quantitative Methods program, (AY2006-2011, AY17-18), I was responsible for advising every Quantitative Methods student about the courses for which they register each semester before advancing to candidacy.

###### Advising Ph.D. Students

Since starting at the University of Texas at Austin, I have served or am serving as Chair or Co-Chair of over 30 dissertations and as a member of over 100 dissertation committees.

###### Advising M.Ed. and M.S. Students

I have served as Chair or Co-Chair of over 30 Masters students' committees (including general Educational Psychology, Program Evaluation and Mathematics/Statistics Masters students' committees). I have also been a reader on over 10 additional Masters students' committees.

###### Mathematics/Statistics Advising

I served as the graduate advisor for the Masters in Mathematics/Statistics at UT for a year (2012-13). In that role, I was responsible for advising every Math/Stats student about the courses for which they register each semester. I provided presentations about facets of the program at its Orientation and during the year. I also dealt with all administration associated with the program including assisting with the external review of the program.

###### Applied Statistical Modeling graduate portfolio program co-director

As co-director of this new graduate portfolio program (2008-2010), I was responsible (with my co-director) for advising program students about courses they had to take to satisfy the program's requirements. I have also served and continue to serve as the advisor of graduate students' Applied Statistical Modeling portfolio projects.

##### **B. Counseling and Other Student Services**

###### General Advising

As a methodologist I frequently advise students and faculty in and outside of my area on both a formal and an informal basis with their research. I have also informally advised students on selection of courses.

#### **V. Administrative and Committee Service to the Department, College, & University**

##### **A. Service within the Department**

2019	Co-instructor, <i>LGBTQ+ Classroom Access &amp; Inclusion Workshop</i>
2016-18	Chair, EDP's Faculty Affairs Committee
2016-18	Chair, EDP's Associate Professor Faculty Annual Review Committee
2016-17	Member, EDP's Dissertation Awards committee
2016-17	Member, peer teaching review committee of Andy Butler
2016-17	Member, 3 <sup>rd</sup> year review committee for Julie Maslowsky (KHE)
Fall, 2017	Chair, search committee for QM open-rank position

Fall, 2016	Member, search committee for QM open-rank position
2016	Member, Teaching Evaluation Committee for James Pustejovsky
2013-ongoing	Faculty mentor, James Pustejovsky
2012-ongoing	Faculty mentor, Delida Sanchez
2012-2013	Elected GSC Chair for EDP Department
2011	Member, Department of EDP Grievance Committee
2010-2012	Elected to serve as GSC Vice-Chair
2010	Elected to serve on Dean's Consultative Committee to select the new EDP Department Chair
2010	Member, Department of EDP Grant Specialist Committee
2009	Chair, Teaching Evaluation Committee for Brandon Vaughn
2008, 2011	Chair, Teaching Evaluation Committee for Tiffany Whittaker
2008	Chair, Quantitative Methods Area Search Committee.
2007-2008	Elected to and served as Chair of the Department's Recruitment Committee
2006-2011	Chair, Quantitative Methods Area. In addition to serving as the advisor of all Area students before they are advanced to candidacy and conducting the other administrative duties associated with the Chair position, I was responsible for and organized creation of a Masters degree program specializing in Quantitative Methods. I also led the revision and updating of the doctoral program's curriculum.
2006-ongoing	Serving as faculty mentor for Tiffany Whittaker.
2006-2011	Chair, Quantitative Methods Area Admissions Committee
2006-2008	Member, Domain Committee on Psychometric Theory and Methods
2006	Elected to serve on Department Chair's Review Consultative Committee
2006	Member, Quantitative Methods Search Committee.
2005-2006	Member, Domain Committee on Research Methodology and Data Analysis
2004-2006	Member, QM Area Admissions Committee
2003-2011	Member, EDP Prospectus and Evaluation Committee.

- 2002 - 2004 Chair (2004) and Member (2002, 2003), Graduate Student Professional Development Award Committee
- 2003 Coordinator, Domain Committee on Research Methodology and Data Analysis
- 2000 – 2002 Member, Domain Committee on Research Methodology and Data Analysis
- 2000–ongoing Member, EDP Graduate Studies Committee.
- 2000–ongoing Member, Mathematics/Statistics Graduate Studies Committee.
- 2001-2002 Member, Faculty Search Committee, Quantitative Methods, EDP.

***B. Service within the College/University***

- 2019- Senior Vice-Provost for Faculty Affairs, UT
- 2018-19 Associate Dean for Research and Graduate Studies, COE
- 2018-19 Member, UT Graduate Student Education task force
- 2018-19 Chair, Admissions and Enrollment Committee of UT’s Graduate Assembly
- 2017-19 COE Title IX Liaison
- 2017-18 COE representative, UT Faculty Workload Policy committee
- Spring, 2018 Associate Dean for Research and Graduate Studies, ad interim
- 2017-18 Chair, a UT Scientific Misconduct subcommittee
- 2017-18 Chair, consultative committee for the new Dean of the College of Education
- 2017-18 Member, UT Faculty Grievance subcommittee
- October, 2017 Presenter, UT System’s Faculty Gender Pay Equity workshop
- 2017-2018 Member, Admissions & Enrollment committee, UT’s Graduate Assembly
- 2017-2020 Elected member, UT’s Graduate Assembly
- 2016-18 Chair, COE Inclusion & Diversity Committee
- 2016-17 Member, consultative committee for the new Dean of the Graduate School and Senior Vice Provost for Academic Affairs
- 2016-17 Member, UT’s Outstanding Graduate Teaching Award Review committee
- 2016-17 Member, Harrington Graduate Fellows selection committee
- Spring, 2016- Member, Internal Advisory Board of Center for STEM Education



Summer, 2015 Member, Committee evaluating CTL's Collaborative Teaching Grants

2015-17 Member, UT C-13 Information Technology committee

2014-15 Vice-Chair, UT C-13 Information Technology committee

2015 Member, Tenure and Promotion committee for Dr. Paul von Hippel, LBJ School of Public Affairs, UT

2014-2018 Co-Chair, Employment Issues sub-committee, University's Faculty Gender Equity Council

2014-2016 Chair, UT Quant Reasoning flag committee

2014-2015 Member, UT's Information Technology Committee

2014, Summer Peer teaching reviewer, Dr. Matt Hersh, Division of Statistics and Scientific Computation

2014, Spring Co-chair, committee to evaluate the administration of the College of Education dean, Manuel Justiz

2014, Spring Member, consultative committee to review EDP department chair, Cindy Carlson

2013-2016 Associate Dean for Research and Graduate Studies, COE

2013 Member, Promotion and Tenure Panel (sponsored by COE Gender Equity Council and Dean's office)

2012-ongoing Member, Board of Directors of Meadows Center for Preventing Educational Risk

Fall, 2012-Spring, 2013 Graduate advisor, UT's Masters in Mathematics/Statistics.

2012-ongoing Member of core faculty of UT's Division of Statistics and Scientific Computation.

2012-2016 Member, Quantitative Reasoning flag committee.

2011-2012 Member, Dean's Committee to recruit Director of College Education Research Center.

2011-2012 Member, MSc. Mathematics/Statistics Admissions Committee.

2011 Served as member of committee to select UT-Austin's nominees for Regents' Outstanding Undergraduate Teaching Award.

2011-Ongoing Faculty Research Associate, Population Research Center, UT Austin

2010-2012 Elected as a member on the University's Faculty Grievance Committee Service

2009-2010 Co-director of *Applied Statistical Modeling* graduate portfolio program

- 2009                   Invited by Provost to serve on the University's *Gender Equity Assessment Committee*.
- 2008-2009           Chair, Committee that created University-wide graduate portfolio program in *Applied Statistical Modeling*. [I spearheaded the creation of this program working closely with a fellow member of the Division of Statistics and Scientific Computing (DSSC) to have the program approved].
- 2007-2008           Co-director of DSSC's first *Summer Statistics Institute*.
- 2007                   Invited to serve on Steering Committee to launch the DSSC.
- 2006                   Served as reviewer of proposals submitted for a University of Texas Research Grant award.
- 2005-2006           Vice-chair and secretary of University's Admissions Committee.
- November, 2005      Gave a talk on "*Using Statistics in Engineering Education*" to faculty in the College of Engineering.
- August, 2005        Gave talk on "*Developing and delivering effective student-centered lectures*" at the University's New Faculty Orientation.
- 2005-2007           Elected member of University's Faculty Council, served as member of Admissions and Registration Committee.
- 2003                   Presented at a roundtable discussion entitled: "*Striking a Balance Between Teaching and Research*" at the Third Annual Experienced TA/AI Seminar.
- 2002                   Assisted with editing of the University-wide Survey of Statistics. This survey was designed to assess each department's statistical course offerings and needs.
- Summer, 2001        Participated in University's New Faculty Seminar Planning Session
- 2000-2002           Faculty fellow for a floor in Jester and a floor in Kinsolving dormitories

**B. Service outside the University**

- Summer, 2019       Served as external reviewer of promotion and tenure for candidate (the University of North Texas)
- Spring, 2019       Served as external reviewer of promotion and tenure for candidate (Arizona State University)
- Spring, 2019       Served as external reviewer of promotion and tenure for candidate (Columbia University)
- Spring, 2019       Served as external reviewer of promotion and tenure for candidate (Fordham University)

- Fall, 2018 Served as external reviewer (again) of early promotion and tenure for candidate (Oklahoma State University)
- Summer, 2018 External reviewer of promotion to full professor for candidate (Florida State University)
- Summer, 2018 External reviewer of promotion and tenure for candidate (University of Maryland).
- Fall, 2017-ongoing Member, Society for Multivariate Experimental Psychology's Editorial Advisory Board
- Fall, 2017 External reviewer of promotion and tenure for candidate (Vanderbilt University)
- Fall, 2017 External reviewer of promotion to full professor for candidate (Georgia State University, School of Public Health)
- Fall, 2017 Served as external reviewer of promotion and tenure for candidate (the Curry School of Education, the University of Virginia)
- Fall, 2017 External reviewer, Florida State University Measurement and Statistics degree programs
- Fall, 2017 Promotion and tenure external reviewer, candidate (the department of Psychology, the University of Cyprus)
- Fall, 2017 Promotion and tenure external reviewer, candidate (the University of Maryland, Baltimore County)
- Fall, 2017 Promotion and tenure external reviewer, candidate (Oklahoma State University)
- Summer, 2017 External review of promotion to full professor for candidate (Arizona State University)
- Summer, 2017 Served as external reviewer of promotion and tenure for candidate (the University of Oregon)
- Summer, 2017 Served as external of reviewer of promotion and tenure for candidate (Indiana University, Bloomington)
- Spring, 2017 Elected member, Society of Multivariate Experimental Psychology
- Spring, 2017 Member, Board of Trustees, Society for Research Synthesis Methods
- Spring, 2017 Reviewer, In-progress Research Gala proposals, AERA Division D
- April, 2017 Panelist, AERA Division D Graduate Student Seminar
- Fall, 2016 Served as external reviewer of promotion and tenure for candidate (Syracuse University)

- Fall, 2016 Served as external reviewer of promotion and tenure for candidate (University of Washington, Seattle).
- Fall, 2016 Served as external reviewer of promotion and tenure for candidate (University of Minnesota)
- Summer, 2016- Member, Statistical and Technical Analysis team, What Works Clearinghouse's Postsecondary Education
- Summer, 2016 Served as external reviewer of promotion and tenure for candidate (University of Connecticut)
- Summer, 2016 Served as external reviewer of promotion and tenure for candidate (University of South Florida)
- Spring, 2016 Served as external reviewer for the Educational Statistics and Research Methods program at the University of Arkansas.
- Fall, 2015 Served as external reviewer for the Academic Program Review of the Evaluation and Measurement program at Kent State University
- Fall, 2015 Served as external reviewer of promotion and tenure for candidate (Vanderbilt University)
- Fall, 2015 Served as external reviewer of promotion and tenure for candidate (University of California at Riverside)
- Fall, 2015 Served as external reviewer of promotion and tenure for candidate (Baylor University)
- Summer, 2015 Served as external reviewer of College of Education and Human Development, the University of Minnesota
- Summer, 2015-ongoing Member, Single-Case Design advisory committee for What Works Clearinghouse.
- Summer, 2015 Served as external reviewer of candidate (UCLA) promotion from associate to full professor
- 2015 Member, IES Outstanding Predoctoral Fellow selection committee
- June, 2015 Invited to give talk on “*Meta-Analytic Structural Equation Modeling*” at Evidence Practice Center conference June 18-19 in DC
- Spring, 2015 Served as reviewer of third-year materials for candidate (University of Virginia)
- Fall, 2014 Co-host of *Advances in Multilevel Modeling for Educational Research: Addressing Practical Issues Found in Real-World Applications* conference to be held at UMD campus, November 13-15<sup>th</sup>, 2014. with Laura Stapleton and Jeff Haring (from UMD)

- Summer, 2014 Served as reviewer of candidate (Arizona State University) promotion from associate to full professor
- Summer, 2014 Served as tenure reviewer of candidate (University of California at Santa Barbara)
- Spring, 2014 Invited keynote address “*Handling multilevel data structures: How a line of research evolves*” given at HLM SIG business meeting at AERA conference in Philadelphia.
- Spring, 2014 Invited keynote address “*Cross-classified random effects models: How a line of research evolves*” given at 2<sup>nd</sup> annual Texas Universities Educational Statistics and Psychometrics meeting at Texas A&M University.
- Fall, 2013 Served as tenure reviewer of candidate (Vanderbilt University)
- Summer, 2013 Served as tenure reviewer of candidate (University of South Carolina)
- Summer, 2013 Served as reviewer of candidate (University of Connecticut) promotion to full professor
- Summer, 2013 Served as tenure reviewer of candidate (University of Missouri)
- Summer, 2013 Served as tenure reviewer of candidate (University of North Texas)
- Summer, 2013 Member, National Assessment of Educational Progress’ (NAEP) Design and Analysis committee.
- Spring, 2013 Elected to serve as member in the Society for Research Synthesis Methodology.
- May, 2013 Panelist, AERA Division D Graduate Student Seminar
- March, 2013 Organizer and Chair of 1<sup>st</sup> annual *Texas Universities’ Educational Statistics and Psychometrics* meeting
- February, 2013 Invited to give a workshop on *Mediation* by the Research Series Committee for the Society for the Study of School Psychology at the National Association of School Psychologists to be held in Seattle
- Spring, 2012 Served as tenure reviewer of candidate (Duke University)
- Spring, 2012 Served as pre-tenure reviewer of candidate (SUNY-Buffalo)
- August, 2011 Served as midpoint (3<sup>rd</sup> year) reviewer of candidate (University of Miami)
- 2011,2012 Served as one of four faculty members teaching at the *AERA Faculty Institute for the Teaching of Statistics with Large-Scale Data Sets* at Stanford University.
- October, 2010 Invited to participate in a working meeting funded by IES entitled “*Single-Case Research Conference*” at the University of Madison, Wisconsin.

- September, 2010      Invited to participate in a working meeting funded by NSF entitled “*Continuity across family and school systems to promote the learning and development of children and adolescents*” at the University of Nebraska.
- Fall, 2010      Served as tenure reviewer for candidate (University of Oregon)
- Fall, 2010      Served as promotion to full professor and tenure reviewer for candidate (James Madison University)
- July, 2010      Provided two-hour workshop on *Mediation Models* as part of the Institute for Education Sciences two-week *Summer Research Training Institute on Cluster-Randomized Trials* at Northwestern University.
- January, 2010      Invited to provide one of the four presentations given at a working group meeting gathered by the Institute of Education Sciences on *Advancing the Design and Analysis of Single Case Research*. Only ten statisticians and research design specialists were invited to attend.
- Spring, 2010      Invited to serve as a member of AERA Division D’s Editorial committee
- Fall, 2009      Served as tenure reviewer for candidate (University of California – Riverside)
- Fall, 2009      Served as tenure reviewer for candidate (Virginia Polytechnic Institute and State University)
- Spring, 2009      Served as tenure reviewer for candidate (National University of Singapore)
- Spring, 2009      Served as tenure reviewer for candidate (Georgia State University)
- Fall, 2008      Served as tenure reviewer for candidate (University of Wisconsin at Milwaukee)
- Fall, 2007      Served as tenure reviewer for candidate (James Madison University)
- Fall, 2007      Served as tenure reviewer for candidate (Portland State University)
- 2005      Served as an external reviewer for clinical assistant professor candidate (Texas A & M University)
- 2004-2006      Served on the NCME Graduate Student Issues Committee

**VI. Administrative and Committee Service to the Local, State and National Communities**

- 2017-2019      Member, Mathematics and Science Education peer review panel for the Institute of Education Sciences
- Fall, 2016      Member, peer review panel, IES Research Networks Focused on Critical Problems of Education Policy and Practice
- 2014-2016      Member, Mathematics and Science Education peer review panel for the Institute of Education Sciences

Spring, 2015	Ad hoc reviewer, NSF Developmental and Learning Sciences Program grant
Fall, 2015	Ad hoc reviewer, NSF Methodology, Measurement and Statistics Program grant
Fall, 2014	Ad hoc reviewer, NSF Methodology, Measurement, and Statistics Program grant
Fall, 2012	Member, Statistics and Modeling peer review panel for the Institute of Education Sciences
Spring, 2012	Member, Post-doctoral Education Research Center peer review panel for the Institute of Education Sciences
2008-2011	Member, Statistics and Modeling peer review panel for the Institute of Education Sciences
2008	Served as proposal reviewer for NSF: Methodology, Measurement and Statistics proposals
2006	Served as reviewer of two proposals submitted to IES.
2003-2005	Elected to and served as member-at-large of SERA Executive board.

## ***VII. Honors and Other Evidence of Merit or Recognition***

### ***A. Self***

2018-19	Fulbright U.S. Scholar
2017	University of Washington's College of Education <b><i>2017 Distinguished Alumnus Award</i></b> recipient
2016	Recipient, University Co-op Outstanding Graduate Teaching Award
2015	Provost's Teaching Fellow
2015	Recipient, Curriculum Innovation Grant for <i>Transforming Peer Review: Promoting Teaching and Learning through Collaborative Reflection and mentoring</i>
2014-2022	John L. and Elizabeth G. Hill Centennial Professorship
2014	Recipient, College of Education Dean's Distinguished Teaching Award
2013	Office of Students with Disabilities Recognition, UT-Austin
2012-2013	Recipient, Vision Award from COE to support development of <i>Dynamic Assessment System for Statistics Courses</i>
2012-2014	Fellow in the M. K. Hage Centennial Professorship in Education

- 2011 Fellow in Cissy McDaniel Parker Fellowship Fund in Education
- 2009 Recipient of the University's Regents' Outstanding teaching award for undergraduate teaching.
- 2004-2006 Selected three years in a row as an "Outstanding Reviewer" for editorial board membership contributions to the *American Educational Research Journal: Teaching, Learning, Human Development*.
- 1998 Graduate Student Leadership Award (University of Washington, Seattle).

**C. Graduate Students**

- 2017 *Gleb Furman*, Top-3 winner, AERA Division D's In-Progress Research Gala
- 2017 *Daniel Gonzalez*, Top-9 proposal winner, AERA Division D's In-Progress Research Gala
- 2017 *Kejin Lee*, Top-9 proposal winner, AERA Division D's In-Progress Research Gala
- 2016 *Sunyoung Park*, one of Top-3 proposal winners in AERA Division D's In-Progress Research Gala
- 2016 *Anita Israni*, one of the Top-9 proposal winners in AERA Division D's In-Progress Research Gala (for second time)
- 2015 *Anita Israni*, one of the Top-9 proposal winners in AERA Division D's In-Progress Research Gala
- 2013 *Yiyi Chu* awarded "Best Masters report" by UT's Division of Statistics and Scientific Computation
- 2012 *Audrey Leroux* awarded Educational Statisticians' SIG graduate student paper award
- 2011 *Lindsey Wolff Smith* awarded Educational Statisticians' SIG graduate student paper award
- 2011 *HwaYoung Lee* awarded fourth place in research award from AERA Division D for graduate student research gala
- 2009 *Tzu-An Chen* awarded third place in research award from AERA Division D for graduate student research gala
- 2006 *Jason Meyers* awarded AERA dissertation grant.