
Tianlan (Elaine) Wei, Ph.D.

January 2021

Department of Counseling, Educational Psychology, and Foundations
Mississippi State University
P.O. Box 9727
175 Presidents Circle
Mississippi State, MS 39762
Email: ewei@colled.msstate.edu

Education

Graduate: Texas Tech University (2010–2014)
M.Ed. (2012) and Ph.D. (2014) in Educational Psychology
Dissertation: *Measuring Mathematics Interest and Affect: An Item Response Theory Evaluation of the Self Description Questionnaire I (SDQI)*

Undergraduate: Fudan University (2001–2005)
LL.B. in Law

Academic Positions

2020–present Associate Professor of Educational Psychology
Department of Counseling, Educational Psychology, and Foundations
Mississippi State University

2014–2020 Assistant Professor of Educational Psychology
Department of Counseling, Educational Psychology, and Foundations
Mississippi State University

2013–2014 Graduate Research Assistant
Department of Educational Psychology and Leadership
(Supervisor: Dr. Lucy Barnard-Brak)
The Institute of Measurement, Methodology, Analysis, & Policy (IMMAP)
Texas Tech University

2013 Graduate Part Time Instructor
College of Education
Texas Tech University
Course taught: EPSY5381 Intermediate Educational Statistics

2010–2012 Graduate Research Assistant

Last updated 1/15/2021.

Department of Educational Psychology and Leadership
(Supervisors: Drs. William Lan, Hansel Burley, David Cain, and Lucy
Barnard-Brak)
Texas Tech University

Publications, Presentations, and Other Scholarly Work (* denotes student coauthor)

Journal Articles

- Moser, K., **Wei, T.**, & Brenner, D. (2021). Remote teaching during COVID-19: Implications from a national survey of language educators. *System*. Advanced online publication. <https://doi.org/10.1016/j.system.2020.102431>
- Finkelman, M., **Wei, T.**, & Lowe, S. R. (2021). Computer-based testing to shorten the Social Communication Questionnaire (SCQ): A proof-of-principle study of the Lifetime and Current forms. *Journal of Psychopathology and Behavioral Assessment*. Advanced online publication. <https://doi.org/10.1007/s10862-020-09853-0>
- Xie, J.,* Xu, J., **Wei, T.**, Giles, M. E.,* Zhan, Y., Zeng, Y., Huang, X., & Liu, X. (2021). Academic boredom among graduate students of education: A qualitative exploration of contributors, attribution, and coping. *Adult Learning*. Advanced online publication. <https://doi.org/10.1177/1045159520987304>
- Choi, P,* **Wei, T.**, Motl, R. W., & Agiovlasitis, S. (2020). Risk factors for falls in adults with intellectual disability. *Research in Developmental Disabilities*. Advanced online publication. <https://doi.org/10.1016/j.ridd.2020.103748>
- Grimes, D. C.,* Mohammadi-Aragh, J. M., & **Wei, T.** (2020). Impact of stereotype threat on engineering undergraduates. *International Journal of Engineering Education*, 36(3), 988–997.
- Wei, T.**, Barnard-Brak, L., Stevens, T., & Lan, W. Y. (2019). Item parameter drift of the Self Description Questionnaire I: Implications for assessing young children's mathematics self-concept. *European Journal of Psychological Assessment*, 35(6), 801–812. <https://doi.org/10.1027/1015-5759/a000473>
- Perera, V. L.,* **Wei, T.**, & Mlsna, D. A. (2019). Impact of peer-focused recitation to enhance student success in general chemistry. *Journal of Chemical Education*, 96(8), 1600–1608. <https://doi.org/10.1021/acs.jchemed.8b00802>

- Ragsdale, K., Read-Wahidi, M. R., **Wei, T.**, Martey, E., & Goldsmith, P. (2018). Using the WEAI+ to explore gender equity among smallholder farmers: Baseline evidence from Ghana's northern region. *Journal of Rural Studies*, *64*, 123–134. <https://doi.org/10.1016/j.jrurstud.2018.09.013>
- Xie, J.,* **Wei, T.**, Zeng, Y., Lobsenz, J., & Chen, X.* (2018). Learner perceptions of demotivators in the EFL classroom: Experiences of failure on learning outcomes. *The Journal of Asia TEFL*, *15*(2), 491–501. <http://doi.org/10.18823/asiatefl.2018.15.2.17.491>
- Chesnut, S. R., **Wei, T.**, Barnard-Brak, L., & Richman, D. (2017). A meta-analysis of the Social Communication Questionnaire: Screening for Autism Spectrum Disorder. *Autism*, *21*(8), 920–928. <https://doi.org/10.1177/1362361316660065>
- Wei, T.**, Chesnut, S. R., Barnard-Brak, L., & Richman, D. (2015). Psychometric analysis of the Social Communication Questionnaire using an Item Response Theory framework: Implications for the use of the Lifetime and Current forms. *Journal of Psychopathology and Behavioral Assessment*, *37*(3), 469–480. <https://doi.org/10.1007/s10862-014-9468-4>
- Wei, T.**, Liu, X., & Barnard-Brak, L. (2015). Gender differences in mathematics and reading trajectories among children from kindergarten to eighth grade. *Research in Education*, *93*(1), 77–89. <https://doi.org/10.7227/RIE.0015>
- Barnard-Brak, L., Johnsen, S., Pond, A., & **Wei, T.** (2015). The incidence of potentially gifted students within a special education population. *Roeper Review*, *37*(2), 74–83. <https://doi.org/10.1080/02783193.2015.1008661>
- Wei, T.**, Sadikova, A. N., Barnard-Brak, L., Wang, E. W., & Sodikov, D. (2015). Exploring graduate students' attitudes towards team research and their scholarly productivity: A survey guided by the Theory of Planned Behavior. *International Journal of Doctoral Studies*, *10*, 1–17. <https://doi.org/10.28945/2089>
- Barnard-Brak, L., Rojahn, J., Richman, D. M., Chesnut, S. R., & **Wei, T.** (2015). Stereotyped behaviors predicting self-injurious behavior in individuals with intellectual disabilities. *Research in Developmental Disabilities*, *36*, 419–427. <https://doi.org/10.1016/j.ridd.2014.08.017>

- Wei, T.**, Chesnut, S. R., Barnard-Brak, L., Stevens, T., & Olivárez, A. J. (2014). Evaluating the Mathematics Interest Inventory using item response theory: Differential item functioning across gender and ethnicities. *Journal of Psychoeducational Assessment, 32*(8), 747–761. <https://doi.org/10.1177%2F0734282914540449>
- Wei, T.**, Chesnut, S. R., Barnard-Brak, L., & Schmidt, M. (2014). University students' perceptions of academic cheating: Triangulating quantitative and qualitative findings. *Journal of Academic Ethics, 12*(4), 287–298. <https://doi.org/10.1007/s10805-014-9219-x>
- Barnard-Brak, L., **Wei, T.**, Schmidt, M., & Sheffield, R. (2014). Inclusivity in the classroom and international achievement in mathematics and science: An exploratory study. *International Journal of Educational Reform, 23*(2), 116–132. <https://doi.org/10.1177%2F105678791402300202>
- Barnard-Brak, L., Thompson, S., **Wei, T.**, & Richman, D. M. (2014). Assistive technology as a predictor of general or alternate assessment among elementary-aged students with Autism Spectrum Disorders. *Assistive Technology, 26*(2), 81–87. <https://doi.org/10.1080/10400435.2013.833557>
- Pratt, C., Sadikova, A., **Wei, T.**, Wang, Y., Dan, Y., & Zaier, A. (2014). Investigating the primary orientations and principal majors of learners of less commonly taught languages. *International Journal of Humanities and Social Science, 4*(3), 41–53.
- Barnard-Brak, L., Ivey-Hatz, J., Ward, A. K., & **Wei, T.** (2014). Self-regulation and social interaction skills among children with Autism across time. *Advances in Mental Health and Intellectual Disabilities, 8*(4), 271–279. <https://doi.org/10.1108/AMHID-12-2012-0007>
- Barnard-Brak, L., Schmidt, M., Chesnut, S. R., **Wei, T.**, & Richman, D. (2014). Predictors of access to sex education for children with intellectual disabilities in public schools. *Intellectual and Developmental Disabilities, 52*(2), 85–97. <https://doi.org/10.1352/1934-9556-52.2.85>
- Dan, Y., **Wei, T.**, & Zhao, W. (2013). Evaluation of History Interest Inventory: Development and evaluation of a history interest inventory for Chinese K-12 students. *The Journal of International Social Studies, 3*(2), 71–86.

- Barnard-Brak, L., Rojahn, J., & **Wei, T.** (2013). Psychometric analysis of the Behavior Problems Inventory using an Item-Response Theory framework: A sample of individuals with intellectual disabilities. *Journal of Psychopathology and Behavioral Assessment*, *35*, 564–577. <https://doi.org/10.1007/s10862-013-9356-3>
- Barnard-Brak, L., Schmidt, M., & **Wei, T.** (2013). How effective is honor code reporting over instructor-implemented measures? A pilot study. *Journal of College and Character*, *14*(3), 231–240.
- Barnard-Brak, L., Schmidt, M., **Wei, T.**, Hodges, T., & Robinson, E. L. (2013). Providing postsecondary transition services to youth with disabilities: Results of a pilot program. *Journal of Postsecondary Education and Disability*, *26*(2), 135–144.
- Barnard-Brak, L., Schmidt, M., **Wei, T.**, Parker, S., & Attai, S. (2013). Parental perceptions of academic performance and attainment of children diagnosed with ADHD. *Journal of Nervous and Mental Disease*, *201*(7), 598–601. <https://doi.org/10.1097/nmd.0b013e3182982939>
- Li, J., Liu, X., **Wei, T.**, & Lan, W. (2013). Acculturation, Internet use, and psychological well-being among Chinese international students. *Journal of International Students*, *3*(2), 155–166.
- Rojahn, J., Barnard-Brak, L., Richman, D., Dotson, W., Medeiros, K., **Wei, T.**, & Abby, L. (2013). Behavior problems in individuals with Cornelia de Lange Syndrome: Population-specific validation of the Behavior Problem Inventory-01. *Journal of Developmental and Physical Disabilities*, *25*(5), 505–515. <https://doi.org/10.1007/s10882-012-9329-6>

Manuscripts under Review

- Moser, K., & **Wei, T.** (submitted). COVID-19 and the pre-existing language teacher supply crisis. *Teaching and Teacher Education*.
- Xie, J.,* **Wei, T.**, Zhan, Y., Zeng, Y., Huang, X., Liu, X., & Gallo, K. (submitted). Learner perceptions of demotivators in the EFL classroom: Conceptual framework and scale development. *The Journal of Asia TEFL*.

National Presentations

- Hung, M. T.,* Hung, L. S., **Wei, T.**, Lee, Y. H. (2020, April 17–21). *Validating the Teacher and Classmate Support Scale for Taiwanese adolescents*. Paper accepted to be presented (canceled due to COVID-19). American Educational Research Association (AERA) Annual Meeting, San Francisco, CA, United States.
- Read-Wahidi, M.R., Ragsdale, K., **Wei, T.**, Kolbila, R., Ingouf, L., Asigbee, M., Atiim, P., Tamimie, C., & Goldsmith, P. (2020, March 17–21). *Using the Household Hunger Scale to explore food insecurity among men and women smallholder farmers in rural Ghana*. Paper accepted to be presented (canceled due to COVID-19). Society for Applied Anthropology 80th Annual Meeting, Albuquerque, NM, United States.
- Xie, J.,* Xu, J., & **Wei, T.** (2019, August 8–11). *Academic boredom among graduate students: An exploration of contributors, attribution, and coping* [Poster presentation]. American Psychological Association (APA) Annual Convention, Chicago, IL, United States.
- Hung, M. T.,* Hung, L. S., **Wei, T.**, Zhu, D., * Lee, Y. H. (2019, April 5–9). *Postsecondary students' self-efficacy, anxiety, and statistical achievement: A meta-analysis* [Paper presentation]. American Educational Research Association (AERA) Annual Meeting, Toronto, Ontario, Canada.
- Wei, T.**, Xie, J.,* & Sergi, K.* (2018, August 9–12). *Investigating the reciprocity of parental expectations and children's mathematics achievement* [Paper presentation]. American Psychological Association (APA) Annual Convention, San Francisco, CA, United States.
- Xie, J.,* **Wei, T.**, Zeng, Y. & Chen, X.* (2018, August 9–12). *Learner perceptions of demotivators in EFL classroom: Experiences of failure on learning outcomes* [Poster presentation]. American Psychological Association (APA) Annual Convention, San Francisco, CA, United States.
- Ragsdale, K., Read-Wahidi, M. R., **Wei, T.**, Gochanour, A., & Reid, A. (2017, November 4–8). *Occasional, moderate, and severe hunger among small-scale men and women farmers in rural Ghana: Exploring food insecurity congruence among husband-wife dyads using the Household Hunger Scale* [Paper presentation]. American Public Health Association (APHA) Annual Meeting & Expo, Atlanta, GA.
- Wei, T.**, Xie, J.,* & Sergi, K.* (2017, May 25–28). *Parents' perceptual bias in children's math competencies: A moderation study* [Poster presentation]. Association for Psychological Sciences (APS) 29th Annual Convention, Boston, MA, United States.

- Wei, T.**, Barnard-Brak, L., Stevens, T., & Lan, W. Y. (2016, April 8–12). *Measuring gender differences in mathematics interest: How trustworthy is the instrument?* [Paper presentation]. American Educational Research Association (AERA) Annual Meeting, Washington, DC, United States.
- Wei, T.**, Barnard-Brak, L., Stevens, T., & Lan, W. Y. (2015, August 6–9). *Item parameter drift of the Self Description Questionnaire I: Implications for assessing young children's academic interest* [Poster presentation]. American Psychological Association (APA) Annual Convention, Toronto, Ontario, Canada.
- Wei, T.** (2015, May 21–25). "I don't feel like studying": *A meta-analysis of the impact of positive academic emotions on achievement motivation* [Poster presentation]. Association for Psychological Sciences (APS) 27th Annual Convention, New York, NY, United States.
- Chestnut, S. R., **Wei, T.**, Barnard-Brak, L., & Richman, D. (2015, April 16–20). *A meta-analysis of the Social Communication Questionnaire: Screening for Autism Spectrum Disorder* [Paper presentation]. American Educational Research Association (AERA) Annual Meeting, Chicago, IL, United States.
- Barnard-Brak, L., Richman, D. M., Chesnut, S. R., & **Wei, T.** (2014, August 7–10). *Stereotypic behavior as a risk-factor for self-injurious behavior in individuals with intellectual disabilities* [Paper presentation]. American Psychological Association (APA) Annual Convention, Washington, DC, United States.
- Wei, T.**, Chesnut, S. R., Barnard-Brak, L., Stevens, T., & Olivárez, A. J. (2014, April 3–7). *Evaluating the Mathematics Interest Inventory using Item Response Theory: Differential item functioning across ethnicities* [Paper presentation]. American Educational Research Association (AERA) Annual Meeting, Philadelphia, PA, United States.
- Wei, T.**, Chesnut, S. R., Barnard-Brak, L., & Schmidt, M. (2014, April 3–7). *University students' perceptions of academic cheating: Triangulating quantitative and qualitative findings* [Paper presentation]. American Educational Research Association (AERA) Annual Meeting, Philadelphia, PA, United States.
- Wei, T.**, Liu, X., & Barnard-Brak, L. (2014, April 3–7). *Gender differences in children's mathematics trajectories: Mixed findings in higher and lower achievers* [Poster presentation]. American Educational Research Association (AERA) Annual Meeting, Philadelphia, PA, United States.

Wei, T., Sadikova, A. N., Barnard-Brak, L., Wang, E., Valle, F., & Sodikov, D. (2014, April 3–7). *Exploring graduate students' perception of team research* [Paper presentation]. American Educational Research Association (AERA) Annual Meeting, Philadelphia, PA, United States.

Barnard-Brak, L., Schmidt, M., Chesnut, S. R., **Wei, T.**, & Richman, D. (2014, April 3–7). *Predictors of access to sex education for adolescents with intellectual disabilities in public schools* [Poster presentation]. American Educational Research Association (AERA) Annual Meeting, Philadelphia, PA, United States.

Chen, X., **Wei, T.**, Moore, T. L., Panyukov, D., & Xiao, F. (2014, March). *The effectiveness of digital game-based learning* [Paper presentation]. Society for Information Technology and Teacher Education (SITE) 25th International Conference, Jacksonville, FL, United States.

Wei, T., & Barnard-Brak, L. (2013, April 27–May 1). *Gender differences in mathematics and reading trajectories among children from kindergarten to eighth grade* [Paper presentation]. American Educational Research Association (AERA) Annual Meeting, San Francisco, CA, United States.

Barnard-Brak, L., Schmidt, M., & **Wei, T.** (2012, April 13–17). *How effective is honor code reporting?* [Poster presentation]. American Educational Research Association (AERA) Annual Meeting, Vancouver, British Columbia, Canada.

Sadikova, A. N., Case, E. D., Harman, R., He, Z., Lambert, M., Sodikov, D., & **Wei, T.** (2010, November 11–14). *New graduate student identity: The role of orientation program* [Paper presentation]. National Association of Graduate-Professional Students (NAGPS) National Conference, Boston, MA, United States.

Regional & Local Presentations

Wei, T., & Xie, J.* (2018, November 6–9). *A meta-analysis of the impact of academic emotions on achievement motivation* [Paper presentation]. Mid-South Educational Research Association (MSERA) 47th Annual Meeting, Pensacola Beach, FL, United States.

Wei, T., Xie, J.* & Sergi, K.* (2018, November 6–9). *Investigating the reciprocity of parental expectations and children's mathematics achievement* [Paper presentation]. Mid-South Educational Research Association (MSERA) 47th Annual Meeting, Pensacola Beach, FL, United States.

- Xie, J.,* Xu, J., & **Wei, T.** (2018, November 6–9). *Academic boredom among graduate students: A qualitative exploration of contributors, attributional styles, and coping strategies*. [Paper presentation]. Mid-South Educational Research Association (MSERA) 47th Annual Meeting, Pensacola Beach, FL, United States.
- Wei, T.**, Xie, J.,* & Sergi, K.* (2018, April). *Parents' perceptual bias in children's math competencies: A moderation study* [Poster presentation]. Mississippi State University College of Education 11th Annual Research Forum, Mississippi State, MS, United States.
- Wei, T.** (2017, November 8–10). *Interest, affect, and achievement motivation: Rediscovering the role of academic interest* [Paper presentation]. Mid-South Educational Research Association (MSERA) 46th Annual Meeting, Mississippi State, MS, United States.
- Xie, J.,* **Wei, T.**, Zeng, Y. & Chen, X.* (2017, November 8–10). *Learner perceptions of demotivators in EFL classroom: Experiences of failure on learning outcomes* [Paper presentation]. Mid-South Educational Research Association (MSERA) 46th Annual Meeting, Mississippi State, MS, United States.
- Xie, J.,* **Wei, T.**, Zeng, Y. & Chen, X.* (2017, March). *Learner perceptions of demotivators in EFL classroom: Experience of failure on learning outcomes* [Paper presentation]. Mississippi State University 15th Graduate Student Research Symposium, Mississippi State, MS, United States.
- Sergi, K.,* & **Wei, T.** (2016, April). *Can security measures impact acts of violence on school grounds?* [Poster presentation]. Mississippi State University 14th Graduate Student Research Symposium, Mississippi State, MS, United States.
- Wei, T.**, Barnard-Brak, L., & Schmidt, M. (2014, February 18–21). *University students' perceptions of academic cheating* [Paper presentation]. Texas Association for Institutional Research (TAIR) 36th Annual Conference, Addison, TX, United States.
- Barnard-Brak, L., & **Wei, T.** (2014, February 18–21). *Measuring online learning expectations among college students* [Paper presentation]. Texas Association for Institutional Research (TAIR) 36th Annual Conference, Addison, TX, United States.

- Barnard-Brak, L., Schmidt, M., **Wei, T.**, Hodges, T., & Robinson, E. L. (2013, February). *Providing postsecondary transition services to youths with disabilities: Results of a pilot program* [Invited paper presentation]. Texas Educational Intervention Research Collaborative Annual Conference, Waco, TX, United States.
- Wei, T.** (2013, February 6–9). *Investigating college students' self-efficacy beliefs in an online learning environment* [Paper presentation]. Southwest Educational Research Association (SERA) 36th Annual Meeting, San Antonio, TX, United States.
- Li, J., Liu, X., & **Wei, T.** (2012, October). *The effects of acculturation development and Internet use on Chinese international students' psychological well-being* [Paper presentation]. Arts and Humanities Graduate Student 2nd Research Conference, Lubbock, TX, United States.
- Wei, T.** (2012, February 1–4). *Investigating second language motivation using the expectancy-value theory* [Paper presentation]. Southwest Educational Research Association (SERA) 35th Annual Meeting, New Orleans, LA, United States.
- Pratt, C., Sadikova, A. N., Dan, Y., **Wei, T.**, & Zaier, A. (2011, February). *Students' primary orientations for studying less commonly taught languages* [Paper presentation]. Southwest Educational Research Association (SERA) 34th Annual Meeting, New Orleans, San Antonio, TX, United States.
- Sadikova, A. N., Bakrim, K., Zebidi, A., Case, E. D., **Wei, T.**, Jacob, S. A., & Inan, F. A. (2011, February). *Building a successful online community of learners: a quantitative study* [Paper presentation]. Southwest Educational Research Association (SERA) 34th Annual Meeting, San Antonio, TX, United States.
- Sadikova, A. N., Burley, H., **Wei, T.**, Sodikov, D., & Valle, F. (2011, February). *Effects of collaboration on graduate students' research experiences* [Paper presentation]. Southwest Educational Research Association (SERA) 34th Annual Meeting, San Antonio, TX, United States.

Technical Report

- Ragsdale, K., Read-Wahidi, M. R., & **Wei, T.** (2016). *WEAI+ final results: Gender equity in soybean production in rural Ghana*. USAID Feed the Future Soybean Innovation Lab. Social Science Research Center, Mississippi State University.

Grant Activities

Wei, T., Elder, A., & Sergi, K.* (2019; completed). *Computer-based education and self-regulated metacognitive processes among early and middle elementary students.* ORED Undergraduate Research Program, Office of Research and Economic Development, Mississippi State University. Principal Investigator. Amount Funded \$1,300.

Wei, T. (2018; unfunded). *Investigating students' self-efficacy beliefs in an online learning environment: Implications from empirical evidence.* Association for Psychological Sciences (APS) Teaching Fund. Principal Investigator.

Agiovlasitis, S., Love, A., Wong, D., Du, J. Q., & **Wei, T.** (2014; completed). *Physical activity and health in persons with Down Syndrome (DS).* Office of Research and Economic Development, Mississippi State University. Principal Co-Investigator: Amount Funded \$2,000.

Valle, F., Sadikova, A. N., **Wei, T.,** & Sodikov, D. (2011; completed). *The relationship among research team attitudes, intentions, and scholarly productivity.* College of Education, Texas Tech University. Principal Co-Investigator: Amount Funded \$3,000.

Teaching Experience

Instructor

EPY9213: Multivariate Analysis in Educational Research
Mississippi State University | Graduate | Lecture | f2f
Topics Covered: Overview of Multivariate Analysis, Introduction to Data Missingness, Multiple Regression, Moderation and Mediation, Logistic Regression, Cluster Analysis, Canonical Correlation, Multivariate Analysis of Variance (MANOVA), Discriminant Function Analysis, Principal Component Analysis and Exploratory Factor Analysis, Confirmatory Factor Analysis, and Structural Equation Modeling

EPY8513: Psychometric Theory
Mississippi State University | Graduate | Lecture | f2f
Topics Covered: Basic Concepts in Measurements, Classical Test Theory, Test Dimensionality and Factor Analysis, Item Response Theory, Response Biases and Test Biases, and Generalizability Theory

EPY8263: Psychological Testing in Educational and Related Settings
Mississippi State University | Graduate | Lecture | f2f
Topics Covered: History of and Introduction to Psychological Testing, Statistics for Testing, Reliability and Validity, Instrument Development, Tests Administration and Interviewing Techniques, Affective Tests

(Structured, Projective, and Vocational Interest), and Cognitive Tests (Intelligence, Achievement, and Aptitude)

- EPY8214: Intermediate Educational and Psychological Statistics
Mississippi State University | Graduate | Lecture & Lab | f2f/Online via myCourses (Blackboard Learn™) and Canvas
Topics Covered: One-Way ANOVA (independent and repeated measures), Factorial ANOVA (independent, repeated measures, and mixed-design), Multiple Linear Regression (including part and partial correlations), ANOVA as General Linear Model and Dummy Coding, and ANCOVA as General Linear Model
- EPY6214: Educational and Psychological Statistics
Mississippi State University | Graduate | Lecture & Lab | f2f | Online via myCourses (Blackboard Learn™) and Canvas
Topics Covered: Descriptive Statistics, Sampling and Probability, Correlation and Regression, Chi-Square Analysis, t-Tests, and Introduction to Analysis of Variance (ANOVA)
- EPY4513: Introduction to Research in Educational Psychology
Mississippi State University | Undergraduate | Lecture | f2f
This is an undergraduate course of an introduction to conducting educational research, focusing on planning and designing research for applied education settings.
- EPY4313: Measurement and Evaluation
Mississippi State University | Undergraduate | Lecture | f2f
This is an undergraduate course of measurement and evaluation focusing on learning activities and achievement of elementary school pupils and high school students, standardized tests, test construction, and statistical techniques.
- EPSY5381: Intermediate Educational Statistics
Texas Tech University | Graduate | Lecture | Online via Blackboard 8

Teaching Assistant

- EPSY5380: Introduction to Educational Statistics (Dr. David Cain)
Texas Tech University | Graduate | Online via Blackboard 8
- EPSY5380: Introduction to Educational Statistics (Dr. Hansel Burley)
Texas Tech University | Graduate | Hybrid (f2f & Online through Blackboard 8)

Dissertation/Thesis Committee Membership Completed

Mississippi State University, Department of Food Science, Nutrition and Health Promotion

2021 Conrad, Amanda, G.
 Doctoral Dissertation: *Understanding Food Insecurity in the College Student Population*

Mississippi State University, Department of Counseling, Educational Psychology, and Foundations

2020 Chen, Xi
 Doctoral Dissertation: *Connecting Belongingness with Institutional Practices and Academic Outcomes: A Mixed-Method Approach*

2020 Mathis, Emily S.
 Doctoral Dissertation: *Examining Attitudes towards Sexuality in CHARGE Syndrome*

2020 Xie, Jianling (Chaired)
 Doctoral Dissertation: *Learner perceptions of demotivators in the English as a foreign language (EFL) classroom: Conceptual framework, scale development, and root cause analysis*

2020 Illapperuma, Chathuri
 Doctoral Dissertation: *International Students' Perceptions of Challenges; Pre to Post Matriculation in United States Professional Psychology Doctoral Programs*

2020 Walsh, Melanie R.
 Doctoral Dissertation: *Living with Fear: Investigating Moderators and Mediators of Mental Health Distress among LGBTQ+ Communities Using the Minority Stress Model*

2020 Rakhmatova, Antonina
 Master's Thesis: *The Impact of Teachers' Metacognitive Awareness on Students' Metacognitive Awareness and Academic Performance*

2020 Hung, Meng-Te (Chaired)

Doctoral Dissertation: *The Mediating Roles of Enjoyment, Anxiety, and Self-efficacy on Chinese EFL Learners' Intrinsic Motivation in Response to Teacher Support*

2020 Seymour, Dana J.
Doctoral Dissertation: *Examining Teachers' Epistemic Beliefs about Learning Styles*

2018 Gallo, Katarzyna Z.
Doctoral Dissertation: *Scaling Undergraduate Scientific Writing via Prominent Feature Analysis*

Mississippi State University, Department of Curriculum, Instruction, and Special Education

2020 Bailey-Suggs, Sophia
Doctoral Dissertation: *ACT Reading Performance and Science Performance: The Influence of Science Teachers' Implementation of Terminology Strategies During Instruction*

Mississippi State University, Bagley College of Engineering

2019 Grimes, Carla, D.
Doctoral Dissertation: *Investigating the Impact of Stereotype Threat on Engineering Students*

Mississippi State University, Department of Chemistry

2019 Perera, Viveka L.
Doctoral Dissertation: *Supporting Student Success in Chemistry Using Peer Mentoring, Laboratory Experiments, And Eye-Tracking Analysis*

2019 Samarasekara, Dulani
Doctoral Dissertation: *The Impact of Utilizing Peer Mentoring Interactions, New Laboratory Experiments, and Writing-To-Learn Practices in Undergraduate Chemistry Education*

2016 Alexander, Nathan W.
Master's Thesis: *Increasing Student Achievement by Supporting Metacognition*

Dissertation/Thesis Proposed

Mississippi State University, Department of Counseling, Educational Psychology, and Foundations

Ferrigno, Matthew A.

Doctoral Dissertation: *Post-Traumatic Stress Disorder Symptoms Impacting Caregivers of Children with CHARGE Syndrome*

Sergi, Katerina (Co-chaired)

Doctoral Dissertation: *Computer-Based Education and Self-Regulated Metacognitive Processes Among Early and Middle Elementary Students*

Lopez, Irmario C.

Doctoral Dissertation: *The Impact of Natural Disaster Exposure on Students Externalizing and Internalizing Behaviors*

Mississippi State University, Department of Kinesiology

Poram, Choi

Doctoral Dissertation: *The Feasibility of a Fall Prevention Program for People with Intellectual Disability Living in A Group-Home*

In-progress

Mississippi State University, Department of Counseling, Educational Psychology, and Foundations

Weseloh, Adam

Gray, Jasmine

Hillerman, Michael A.

Gambera, Gianna C.

Utley, Alexandra D.

Mississippi State University, Department of Psychology

Thomas, Anisha (Co-chaired)

Mississippi State University, Department of Curriculum, Instruction, and Special Education

Jackson, Elizabeth M.

Mississippi State University, Department of Chemistry

Leake, Maggie E.

Smith, Lisa, A.

Mississippi State University, Department of Instructional Systems and Workforce Development

Nuatomue, Jeremiah, N.

Mississippi State University, Department of Kinesiology
Kim, Dae Eun
Markoski, Zlatko

Mississippi State University, Department of Food Science, Nutrition and Health Promotion
Alardawi, Abeer M.

Directed Individual Study (DIS) Hours

- EPY7000: Psychometric Theory (EPY 8513 substitution; Student: Zlatko Markoski)
Mississippi State University | Spring 2021
- EPY7000: Research Seminar (EPY 9263 substitution; Student: Kristen Sims)
Mississippi State University | Fall 2019
- EPY7000: Research Seminar (EPY 9263 substitution; Student: Melanie Walsh)
Mississippi State University | Spring 2019
- EPY7000: Demotivation in Second Language Learning (Student: Jianling Xie)
Mississippi State University | Spring 2017
- EPY7000: Meta-Analytic Methods (Student: Meng-Te Hung)
Mississippi State University | Spring 2016

Quantitative Skills Training

- *Questionnaire Item Writing*
The Center for Integrated Latent Variable Research (CILVR) | The University of Maryland
January 14, 2020. Delivered Online.
- *Equating Workshop*
The Center for Advanced Studies in Measurement and Assessment (CASMA) | The University of Iowa College of Education
August 12–15, 2019. Iowa City, IA.
- *Missing Data, an online version of Paul Allison's 2-day, in-person seminar*
Statistical Horizons
May 11–June 8, 2018. Delivered Online.

- *Item Response Theory: A 2-Day Seminar Taught by Tenko Raykov*
Statistical Horizons | Temple University Center City
October 20–21, 2017. Philadelphia, PA.
- *Advances in Multilevel Modeling for Educational Research: Addressing Practical Issues Found in Real-World Applications*
The Center for Integrated Latent Variable Research | University of Maryland
November 13–14, 2014. College Park, MD.
- *NAEP High School Transcript Study (HSTS) Database Training Seminar*
Sponsored by the National Center for Education Statistics
July 18–20, 2012. Alexandria, VA.

National Database Used in Research

- National Longitudinal Surveys (NLS)
- Trends in International Mathematics and Science Study (TIMSS)
- Special Education Elementary Longitudinal Study (SEELS)
- Early Childhood Longitudinal Study-Kindergarten Cohort (ECLS-K)
- NAEP High School Transcript Study (HSTS)

Methods

- Nonparametric methods
- Variance analysis
- Factor analysis
- Hierarchical linear modeling
- Structural equation modeling
- Item response theory
- Longitudinal modeling
- Meta-analysis
- Mixed methods
- Measurement invariance
- Generalizability theory
- Data missingness modeling

Statistical Packages

- SPSS v17+
- SAS v9.4+
- Stata v14+
- AMOS v17+
- Mplus v4.2+

Last updated 1/15/2021.

- HLM v7.0+
- IRTPRO v2.1
- DIFAS v5.0
- AM v0.06.04
- R v3.0
- flexMIRT v2
- G*Power v3.1

Other Professional Development

- *Information Security Training*
September 2018 | Mississippi State University
- *Getting Started with Canvas*
September 2018 | The Center for Distance Education, Mississippi State University
- *Active Shooter Situations: What Should You Do?*
February 2018 | Mississippi State University
- *SHARP Training (Sexual harassment, Sexual misconduct, and Other Forms of Discrimination in Workplaces)*
April 2017 | Mississippi State University
- *Safe Zone Ally Training (LGBTQ Awareness, Respect, and Advocacy)*
February 2017 | Holmes Cultural Diversity Center, Mississippi State University
- *CTL 101: Best Practices for Online Instruction*
November 2015 | The Center for Teaching and Learning, Mississippi State University

Services

Academic Service & Membership

Editorial Board

- *BMC Psychology* (2020–)

Reviewer for Journal Manuscripts, Grant Applications, Textbook Proposals, Tests, and Book Chapters

- *International Journal of Early Years Education* (2020–)
- *SAGE Open* (2020–)
- *Canadian Journal of Higher Education* (2020–)
- *BMC Psychology* (2019–)
- *International Journal of Educational Technology in Higher Education* (2018–)

Last updated 1/15/2021.

- *Journal of Public Health and Epidemiology* (2018–)
- *Cognition, Brain, Behavior: An Interdisciplinary Journal* (2018–)
- *Oral Language Acquisition Inventory, Second Edition | Pearson Clinical Assessment* (2018)
- *HRSA-18-072, Maternal and Child Health (MCH) Secondary Data Analysis Research Studies (SDAR) Grant Program* (2018)
- *Journal of Educational Psychology* (2018–)
- *Cognella Academic Publishing* (2018–)
- *Cultural Diversity and Ethnic Minority Psychology* (2017–)
- *Ethics & Behavior* (2017–)
- *Education Research and Reviews* (2017–)
- *Journal of Academic Ethics* (2015–)
- *Autism Research* (2017)
- *Educational Psychology: An International Journal of Experimental Educational Psychology* (2015–2016)
- *Developmental Psychology* (2013)
- Burley, H. (Ed.) (2011). *Cases on institutional research systems*. Hershey, PA: IGI Global.

Reviewer for Conference Proposals

- Division D. Graduate Student In-progress Research Gala (2020)
2020 American Educational Research Association (AERA) Annual Meeting
- The Applied Public Health Statistics program
2019 American Public Health Association (APHA) Annual Meeting & Expo
- Division D. Graduate Student In-progress Research Gala (2019)
2019 American Educational Research Association (AERA) Annual Meeting
- Division D. Graduate Student In-progress Research Gala (2018)
2018 American Educational Research Association (AERA) Annual Meeting
- 2018 Annual Meeting of Mid-South Educational Research Association (MSERA)
- The Applied Public Health Statistics program
2018 American Public Health Association (APHA) Annual Meeting & Expo
- Division C. Learning and Instruction/ Section 2a: Cognitive and Motivational Processes (2017)
2018 American Educational Research Association (AERA) Annual Meeting
- Division D. Measurement and Research Methodology/Section 1: Psychometrics, Measurement, and Assessment (2017)
2018 American Educational Research Association (AERA) Annual Meeting
- 2017 Annual Meeting of Mid-South Educational Research Association (MSERA)
- Division D. Graduate Student In-progress Research Gala (2017)

- *2017 American Educational Research Association (AERA) Annual Meeting*
Division C. Learning and Instruction/ Section 2a: Cognitive and Motivational Processes (2016)
- *2017 American Educational Research Association (AERA) Annual Meeting*
Division D. Measurement and Research Methodology/Section 1: Psychometrics, Measurement, and Assessment (2016)
- *2017 American Educational Research Association (AERA) Annual Meeting*
International Test Commission (ITC) 2016 Conference (2016)
- Division D. Graduate Student In-progress Research Gala (2016)
- *2016 American Educational Research Association (AERA) Annual Meeting*
Division D. Measurement and Research Methodology/Section 1: Psychometrics, Measurement, and Assessment (2015)
- *2016 American Educational Research Association (AERA) Annual Meeting*
35th Annual Meeting of Southwest Educational Research Association (2012)

Judge for Research Conferences/Symposiums/Forums

- Poster Session (2019)
2019 Mississippi State University Spring Undergraduate Research Symposium
- Paper Session (2017)
2017 Mississippi State University Graduate Student Research Symposium (GSRS)
- Poster Session (2016)
2016 Mississippi State University Graduate Student Research Symposium (GSRS)
- Poster Session (2012)
Texas Tech University Undergraduate Research Conference
- Poster Session (2011)
Texas Tech University Undergraduate Research Conference

Committee and Administrative Work

- Undergraduate and Graduate Program Coordinator (2019–)
Educational Psychology
College of Education, Mississippi State University
- Committee Member (2020–)
Undergraduate Education Advisory Committee (UGEAC)
College of Education, Mississippi State University
- Chair (2018–2019)
Division D. Membership Committee
American Educational Research Association (AERA)
- Committee Member/Secretary (2017–2019)
Faculty Council
College of Education, Mississippi State University

- Assistant Chair (2017–2018)
Division D. Membership Committee
American Educational Research Association (AERA)
- Chair (2017–2018)
Division D. Membership Committee—Communications Subcommittee
American Educational Research Association (AERA)
- Committee Member (2016–2019)
Division D. Membership Committee
American Educational Research Association (AERA)
- Committee Member (2015–2016)
Undergraduate Education Advisory Committee (UGEAC)
College of Education, Mississippi State University
- Treasurer (2010–2011)
Education Graduate Student Organization (EGSO), Texas Tech University

Professional Association Membership

- Member (2017–present)
Mid-South Educational Research Association (MSERA)
- Member (2014–present)
American Psychological Association (APA)
- Member (2014–present)
Association for Psychological Science (APS)
- Student Member/Member (2012–present)
American Educational Research Association (AERA)
- Student Member (2013–2014)
Texas Association for Institutional Research (TAIR)
- Student Member (2011–2013)
Southwest Educational Research Association (SERA)

Other Academic Service

- Translation Expert (2015)
China National Knowledge Infrastructure (CNKI)
- Chair (2013)
Roundtable Session “Mathematics Strategies and Interventions with Special Populations”
2013 American Educational Research Association (AERA) Annual Meeting

Community Service

- 2012 Volunteer
Lubbock Animal Services

Last updated 1/15/2021.

2010–2011 Volunteer
Big Brothers and Big Sisters of Lubbock

2011 Jones Fellows' Group Volunteering
The Reality Check Program, Lubbock, TX

2010 Jones Fellows' Group Volunteering
Jumpstart, Lubbock, TX

Awards and Honors

2014 First Prize | Graduate Students Ethics Paper Award
Texas Tech University Ethics Center

2013 Travel Award for Presenting at 2014 AERA
Texas Tech University Ethics Center

2013 TAIR Travel Grant
Texas Association for Institutional Research (TAIR)

2010–2013 AT&T Chancellor's Fellowship
Graduate School, Texas Tech University

2010–2012 Helen DeVitt Jones Fellowship
College of Education, Texas Tech University

2012 Douglas J. and Judy A. Simpson Award for Doctoral Students'
Presentations in Education
College of Education, Texas Tech University

2012 First Prize of Presentation Competition
The 2nd Annual Arts and Humanities Graduate Student Research
Conference, Texas Tech University

2012 AERA Division J Graduate Student Travel Award
American Educational Research Association, Washington, DC

2011 Travel Award for Presenting at 2012 AERA
Texas Tech University Ethics Center

2011 Study Abroad Competitive Scholarship

- Study Abroad Office, Texas Tech University
- 2011 First Place of the Research Poster Session
Education Graduate Student Organization, Texas Tech University
- 2011 Outstanding Graduate Assistant
College of Education, Texas Tech University
- 2003–2005 People’s Scholarship
Fudan University

Other Professional Experience

- 2013 Tutorial Intern
Marsha Sharp Center, Texas Tech University
- 2007–2009 Marketing Service Executive
Enjoy China Holdings Ltd., Shanghai, China
- 2005–2006 Legal Advisor
Bank of Communications, Shanghai, China
- 2005 GM Assistant/Business Analyst (internship)
Sixty China, Shanghai, China
- 2004 Legal Assistant (internship)
GuoXiong Law Firm, Shanghai, China
- 2003 Legal Assistant (internship)
ChangNing District Court, Shanghai, China

Professional Reference

Upon request