

CURRICULUM VITAE

JAMES E. PUSTEJOVSKY

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EDUCATION

- 2013 Ph.D., Northwestern University, Department of Statistics.
- 2003 B.A., Boston College. Major in Economics, minor in German.

PROFESSIONAL EXPERIENCE

- 2020-present University of Wisconsin – Madison, Madison, WI
Associate Professor, Department of Educational Psychology
Quantitative Methods Program
- 2013-2020 University of Texas at Austin, Austin, TX
Assistant Professor, Department of Educational Psychology
Quantitative Methods Program
- 2006-2008 Northwestern University, Evanston, IL
Research Analyst, Distributed Leadership Studies
- 2003-2006 Analysis Group, Boston, MA
Analyst/Senior Analyst

HONORS AND AWARDS

- 2025 [Open Scholarship Award](#)
University of Wisconsin – Madison Open Source Programs Office
- 2023 [Frederick Mosteller Award for Distinctive Contributions to Systematic Reviewing](#)
The Campbell Collaboration
- 2021 [Early Career Award](#)
Society for Research Synthesis Methodology
- 2016 *Elected Member*, [Society for Research Synthesis Methodology](#)

- 2014 Outstanding Quantitative Dissertation
Division D (Measurement and Research Methodology) of the American Educational Research Association
- 2009-2012 *Fellow, Multidisciplinary Program in Educational Sciences Fellowship, Northwestern University*

FUNDING

Consequences of Selective Reporting Bias in Education Research (R305D220026)
Institute of Education Sciences, Statistical and Research Methodology in Education Program
Status: Funded
Role: Co-PI (PI: Martyna Citkowicz, American Institutes for Research; Co-PIs: Joshua Polanin and Ryan Williams, American Institutes for Research)
Total funding: \$896,931 (UW-Madison sub-award: \$175,704)
Duration: Sep. 1, 2022 – Aug. 31, 2025

School Mental Health Collaborative-Postdoctoral Research and Training Program (R305B220003)
Institute of Education Sciences, Postdoctoral Research Training Program in the Education Sciences
Status: Funded
Role: Co-PI (PI: Stephen Kilgus, UW-Madison; Co-PIs: Katie Eklund, Andy Garbacz, and Erica O. Turner, UW-Madison)
Total funding: \$711,773
Duration: Aug. 1, 2022 – Jul. 31, 2027

Treatment Intensity Factors Related to Efficient and Effective Communication Intervention for Individuals with ASD and Complex Communication Needs (R324A210238)
Institute of Education Sciences, Reading, Writing, and Language Program
Status: In progress
Role: Co-PI (PI: Jay B. Ganz, Texas A&M University; Co-PIs: Joe Reichle, University of Minnesota)
Total funding: \$1,087,174 (UW-Madison sub-award: \$168,853)
Duration: Sep. 1, 2021 – Aug. 31, 2025

Improving the Accessibility of Effect Size and Synthesis Methods for Single-Case Research (R324U190002)
Institute of Education Sciences, Unsolicited Grant Opportunity
Status: Completed
Role: Co-PI (PI: Wendy Machalicek, University of Oregon; Co-PI: John Ferron, University of South Florida)
Total funding: \$600,000 (UT Austin sub-award: \$328,516)
Duration: Jan. 1, 2020 – Dec. 31, 2023

Bayesian Analysis of Academic Outcomes from Single-Case Experimental Designs (R305D190023)
Institute of Education Sciences, Statistical and Research Methodology in Education Program
Status: Completed
Role: Co-PI (PI: Ethan Van Norman, Lehigh University; Co-PI: David Klingbeil, UT Austin)

Total funding: \$899,769 (UT Austin sub-award: \$432,259)
Duration: Jul. 1, 2019 – June. 30, 2023

Meta-Analyses of Variables Related to Instruction in Augmentative and Alternative Communication Implementation (R324A180110)

Institute of Education Sciences, Technology for Special Education Program

Status: Completed

Role: Co-PI (PI: Jennifer B. Ganz, Texas A&M University; Co-PIs: Kimberly Vannest, Texas A&M University, Joe Reichle, University of Minnesota)

Total funding: \$600,000 (UT Austin sub-award: \$83,646)

Duration: Sep. 1, 2018 – Aug. 31, 2021

Evaluating the Transition to College Mathematics Course in Texas High Schools

Greater Texas Foundation, Greater Texas Foundation Faculty Fellows program

Status: Completed

Role: PI

Total funding: \$87,337

Duration: Aug. 1, 2017 – Jul. 31, 2020

Response Ratio Effect Sizes for Single-Case Designs with Behavioral Outcome Measures (R305D160002)

Institute of Education Sciences, Statistical and Research Methodology in Education Program

Status: Completed

Role: PI

Total funding: \$199,690

Duration: Aug. 1, 2016 – Jul. 31, 2018

ARTICLES (*italics indicate student author*)

Grekov, P., & **Pustejovsky, J. E.**, (2026). A gentle introduction to Bayesian posterior predictive checking for single-case researchers. *Journal of Behavioral Education*.

<https://doi.org/10.1007/s10864-025-09613-8>

Pre-print: <https://doi.org/10.21203/rs.3.rs-7032595/v1>

Treves, I. N., Chen, Y.-Y., Wilson, C. L., Verdonk, C., Qina`au, J., **Pustejovsky, J. E.**, Goldberg, S. B., Mehling, W., Shuman-Olivier, Z., & Khalsa, S. S. (2025). A meta-analysis of the effects of mindfulness meditation training on self-reported interoception. *Scientific Reports*, 15, 38889. <https://doi.org/10.1038/s41598-025-22661-4>

Pre-print: <https://doi.org/10.21203/rs.3.rs-6792067/v1>

Pustejovsky, J. E., Zhang, J., & Tipton, E. (2025). A preliminary data analysis workflow for meta-analysis of dependent effect sizes. *Philosophical Transactions of the Royal Society A*, forthcoming.

Pre-print: https://osf.io/preprints/metaarxiv/vfsqx_v1

Chen, M., & **Pustejovsky, J. E.** (2025). Adapting methods for correcting selective reporting bias in meta-analysis of dependent effect sizes. *Psychological Methods*, forthcoming.

<https://doi.org/10.1037/met0000773>

Pre-print: <https://osf.io/preprints/metaarxiv/jq52s>

Grekov, P., **Pustejovsky, J. E.**, & Klingbeil, D. A. (2025). Flexible distributional models for reading fluency outcomes from single-case designs: An examination using Bayesian methods. *Journal of School Psychology*, 110, 101429. <https://doi.org/10.1016/j.jsp.2025.101429>

Pre-print: <https://osf.io/preprints/psyarxiv/9sa82>

Vembye, M. H., **Pustejovsky, J. E.**, & Pigott, T. D. (2024). Conducting power analysis for meta-analysis of dependent effect sizes: Common guidelines and an introduction to the POMADE R package. *Research Synthesis Methods*, 15(6), 1214-1230.

<https://doi.org/10.1002/jrsm.1752>

Pre-print: <https://doi.org/10.31222/osf.io/3x2en>

Sandbank, M., **Pustejovsky, J. E.**, Bottema-Beutel, K., Caldwell, N., Feldman, J. I., Crowley LaPoint, S., & Woynaroski, T. (2024). Determining associations between intervention amount and outcomes for young autistic children: A meta-analysis. *JAMA Pediatrics*, 178(8), 763-773. <https://doi.org/10.1001/jamapediatrics.2024.1832>

Pustejovsky, J. E., & Chen, M. (2024). Equivalencies between ad hoc strategies and meta-analytic models for dependent effect sizes. *Journal of Educational and Behavioral Statistics*, 49(6), 1013-1043. <https://doi.org/10.3102/10769986241232524>

Pre-print: <https://doi.org/10.31222/osf.io/pw54r>

Chen, M., & **Pustejovsky, J. E.** (2024). Multi-level meta-analysis of single-case experimental designs using robust variance estimation. *Psychological Methods*, 29(3), 537-560.

<https://doi.org/10.1037/met0000510>

Pre-print: <https://psyarxiv.com/59h32/>

Lee, Y. R., & **Pustejovsky, J. E.** (2024). Comparing random effects models, ordinary least squares, or fixed effects with cluster robust standard errors for cross-classified data.

Psychological Methods, 29(6), 1084-1099. <https://doi.org/10.1037/met0000538>

Pre-print: <https://psyarxiv.com/f9mr2>

Poppe, A., Ritter, F. D. E., Bais, L., **Pustejovsky, J. E.**, van Tol, M.-J., Ćurčić-Blake, B., Pijnenborg, G. H. M., & van der Meer, L. (2023). The efficacy of combining cognitive training and non-invasive brain stimulation: A transdiagnostic systematic review and meta-analysis.

Psychological Bulletin, 150(2), 192-213. <https://doi.org/10.1037/bul0000406>

Pre-print: <https://psyarxiv.com/wqrne/>

Reichle, J., **Pustejovsky, J. E.**, Vannest, K., Foster, M., Pierson, L., Wattanawongwan, S., Chen, M., Fuller, M. C., Haas, A., Bhat, B. H., Sallese, M. R., Smith, S. D., Yllades, V., Rodriguez, D., Yoro, A., & Ganz, J. B. (2023). Systematic review of variables related to instruction in augmentative and alternative communication implementation: Group and single-case design. *American Journal of Speech-Language Pathology*, 32(4), 1734-1757.

https://doi.org/10.1044/2023_AJSLP-22-00314

Pre-print: <https://edarxiv.org/nzq4h/>

Ganz, J., **Pustejovsky, J. E.**, Reichle, J., Vannest, K., Foster, M., Pierson, L., Wattanawongwan, S., Bernal, A., Chen, M., Haas, A., Sallse, M. R., Skov, R., & Smith, S. D. (2023). Participant characteristics predicting communication outcomes in AAC implementation for individuals with ASD and IDD: Meta-analysis. *Augmentative and Alternative Communication* 39(1), 7-22. <https://doi.org/10.1080/07434618.2022.2116355>

Pre-print: <https://edarxiv.org/6sgba/>

Chen, M., **Pustejovsky, J. E.**, Klingbeil, D. A., & Van Norman, E. R. (2023). Between-case standardized mean differences: Flexible methods for single-case designs. *Journal of School Psychology*, 98, 16-38. <https://doi.org/10.1016/j.jsp.2023.02.002>

Pre-print: <https://psyarxiv.com/3pk5q>

Ganz, J., **Pustejovsky, J. E.**, Reichle, J., Vannest, K., Pierson, L., Wattanawongwan, S., Foster, M., Fuller, M., Haas, A., Sallse, M., Smith, S. D., & Yllades, V. (2023). A case for increased rigor in AAC research: A methodological quality review. *Education and Training in Autism and Developmental Disabilities*, 58(1), 3-21.

Pre-print: <https://edarxiv.org/9qnfp>

Ledford, J. R., & **Pustejovsky, J. E.** (2023). Systematic review and meta-analysis of stay-play-talk interventions for improving social behaviors of young children. *Journal of Positive Behavior Interventions*, 25(1), 65-77. <https://doi.org/10.1177/1098300720983521>

Pre-print: <https://osf.io/u7cph/>

Vembye, M. H., **Pustejovsky, J. E.**, & Pigott, T. D. (2023). Power approximations for meta-analysis of dependent effect sizes. *Journal of Educational and Behavioral Statistics*, 48(1), 70-102. <https://doi.org/10.3102/10769986221127379>

Pre-print: <https://osf.io/preprints/metaarxiv/6tp9y/>

Correction: Vembye, M. H., **Pustejovsky, J. E.**, & Pigott, T. D. (2023). Power approximations for meta-analysis of dependent effect sizes. *Journal of Educational and Behavioral Statistics*, online publication. <https://doi.org/10.3102/10769986231207878>

Pustejovsky, J. E., Swan, D. M., & English, K. E. (2023). An examination of measurement procedures and characteristics of baseline outcome data in single-case research. *Behavior Modification*, 47(6), 1423-1454. <https://doi.org/10.1177/0145445519864264>

Pre-print: <https://doi.org/10.31234/osf.io/dv9jg>

Pierson, L. M., Ganz, J. B., **Pustejovsky, J. E.**, Reichle, J., Vannest, K. J., Wattanawongwan, S., Foster, M., Fuller, M. C., Haas, A. N., Sallse, M. R., Smith, S. D., Yllades, V., Kenny, E., Morgan, P., & Paterson, S. (2022). Social validity, cost, acceptability, and feasibility of Augmentative and Alternative Communication devices used for individuals with autism spectrum disorder and intellectual disability: A systematic review. *Perspectives of the ASHA Special Interest Groups*, 7(6), 1917-1940. https://doi.org/10.1044/2022_PERSP-22-00034

Winters, K. L., Jasso, J., **Pustejovsky, J. E.**, & Byrd, C. (2022). Investigating narrative performance in children with developmental language disorder: A systematic review and meta-analysis. *Journal of Speech, Language, and Hearing Research*, 65(10), 3908-3929.

https://doi.org/10.1044/2022_JSLHR-22-00017

Pre-print: <https://psyarxiv.com/bcky8/>

Ledford, J. R., Lambert, J., **Pustejovsky, J. E.**, Zimmerman, K. N., Hollins, N., & Barton, E. E. (2023). Single case design research in Special Education: Next generation standards and considerations. *Exceptional Children*, 89(4), 379-396.

<https://doi.org/10.1177/00144029221137656>

Pre-print: <https://osf.io/e98nw/>

Joshi, M., **Pustejovsky, J. E.**, & Beretvas, S. N. (2022). Cluster wild bootstrapping to handle dependent effect sizes in meta-analysis with a small number of studies. *Research Synthesis Methods*, 13(4), 457-477. <https://doi.org/10.1002/jrsm.1554>

Pre-print: <https://osf.io/preprints/metaarxiv/x6uhk>

Ganz, J. B., **Pustejovsky, J. E.**, Reichle, J., Vannest, K., Foster, M., Fuller, M., Pierson, L. M., Wattanawongwan, S., Bernal, A., Chen, Haas, A. N., Skov, R., Smith, S. D., & Yllades, V. (2022). Augmentative and Alternative Communication intervention targets for school-aged participants with ASD and ID: A single-case systematic review and meta-analysis. *Review Journal of Autism and Developmental Disorders*, 11, 52-65. <https://doi.org/10.1007/s40489-022-00326-6>

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Ganz, J. B., **Pustejovsky, J. E.**, Reichle, J., Vannest, K., Foster, M., Haas, A., Pierson, L. M., Wattanawongwan, S., Bernal, A., Chen, M., Skov, R., & Smith, S. D. (2022). Considering instructional contexts in AAC interventions for people with ASD and/or IDD experiencing complex communication needs: A single case design meta-analysis. *Review Journal of Autism and Developmental Disorders*, 10, 615-629. <https://doi.org/10.1007/s40489-022-00314-w>

Pre-print: <https://edarxiv.org/xhqb3>

Austin, C. R., Vaughn, S., Clemens, N. H., **Pustejovsky, J. E.**, & Boucher, A. N. (2022). The relative effects of integrating word reading and word meaning instruction to word reading instruction alone on the accuracy, fluency, and word meaning knowledge of 4th-5th grade students with dyslexia. *Scientific Studies of Reading*, 26(3), 204-222.

<https://doi.org/10.1080/10888438.2021.1947294>

Pustejovsky, J. E., & Tipton, E. (2022). Meta-analysis with robust variance estimation: Expanding the range of working models. *Prevention Science* 23, 425-438.

<https://doi.org/10.1007/s11121-021-01246-3>

Pre-print: <https://osf.io/preprints/metaarxiv/vyfcj/>

Wahman, C. L., **Pustejovsky, J. E.**, Ostrosky, M. M., & Santos, R. M. (2022). Examining the effects of social stories on challenging behavior and prosocial skills in young children: A systematic review and meta-analysis. *Topics in Early Childhood Special Education*, 41(4), 267-279. <https://doi.org/10.1177/0271121419855692>

Pre-print: <https://doi.org/10.31234/osf.io/fch6t>

Rodgers, M. A. & **Pustejovsky, J. E.** (2021). Evaluating meta-analytic methods to detect selective reporting in the presence of dependent effect sizes. *Psychological Methods*, 26(2),

141-160. <https://doi.org/10.1037/met0000300>

Pre-print: <https://doi.org/10.31222/osf.io/vqp8u>

McLouth, L. E., Ford, C. G., **Pustejovsky, J. E.**, Park, C. L., Sherman, A. C., Trevino, K., & Salsman, J. M. (2021). A systematic review and meta-analysis of effects of psychosocial interventions on spiritual well-being in adults with cancer. *Psycho-Oncology*, 30(2), 147-158. <https://doi.org/10.1002/pon.5562>

Swan, D. M., **Pustejovsky, J. E.**, & Beretvas, S. N. (2020). The impact of response-guided designs on count outcomes in single-case experimental design baselines. *Evidence-Based Communication Assessment and Intervention*, 14(1-2), 82-107. <https://doi.org/10.1080/17489539.2020.1739048>

Salsman, J.M., **Pustejovsky, J.E.**, Schueller, S.M., Hernandez, R., Berendsen, M., Steffen, L.E. & Moskowitz, J.T. (2019). Psychosocial interventions for cancer survivors: A meta-analysis of effects on positive affect. *Journal of Cancer Survivorship*, 13, 943-955. <https://doi.org/10.1007/s11764-019-00811-8>

Merluzzi, T.V., **Pustejovsky, J.E.**, Philip, E.J., Sohl, S. J., Berendsen, M., & Salsman, J.M. (2019). Interventions to enhance self-efficacy in cancer patients: A meta-analysis of randomized controlled trials. *Psycho-Oncology*, 28(9), 1781-1790. <https://doi.org/10.1002/pon.5148>

Park, C.L., **Pustejovsky, J. E.**, Trevino, K., Sherman, A., Esposito, C., Berendsen, M., & Salsman, J.M. (2019). Effects of psychosocial interventions on meaning and purpose in adults with cancer: A systematic review and meta-analysis. *Cancer*, 125(14), 2383-2393. <https://doi.org/10.1002/cncr.32078>

Tipton, E., **Pustejovsky, J. E.**, & Ahmadi, H. (2019). A history of meta-regression: Technical, conceptual, and practical developments between 1974 and 2018. *Research Synthesis Methods*, 10(2), 161-179. <https://doi.org/10.1002/jrsm.1338>
Pre-print: <https://doi.org/10.31234/osf.io/dvb6r>

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Pre-print: <https://doi.org/10.31234/osf.io/d38aq>

Pustejovsky, J. E., & Rodgers, M. A. (2019). Testing for funnel plot asymmetry of standardized mean differences. *Research Synthesis Methods*, 10(1), 57-71. <https://doi.org/10.1002/jrsm.1332>
Pre-print: <https://doi.org/10.31234/osf.io/ea6kz>

Pustejovsky, J. E. (2019). Procedural sensitivities of effect sizes for single-case designs with directly observed behavioral outcomes. *Psychological Methods*, 24(2), 217-235. <https://doi.org/10.1037/met0000179>
Pre-print: <https://doi.org/10.31234/osf.io/vxa86>

Swan, D. M., & **Pustejovsky, J. E.** (2018). A gradual effects model for single-case designs. *Multivariate Behavioral Research*, 53(4), 574-593.

<https://doi.org/10.1080/00273171.2018.1466681>

Pre-print: <https://doi.org/10.31234/osf.io/vh964>

Pustejovsky, J. E. (2018). Using response ratios for meta-analyzing single-case designs with behavioral outcomes. *Journal of School Psychology*, 68, 99-112.

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Pustejovsky, J. E. & Tipton, E. (2018). Small sample methods for cluster-robust variance estimation and hypothesis testing in fixed effects models. *Journal of Business and Economic Statistics*, 36(4), 672-683. <https://doi.org/10.1080/07350015.2016.1247004>

Correction: **Pustejovsky, J. E.** & Tipton, E. (2023). Corrigendum: Small sample methods for cluster-robust variance estimation and hypothesis testing in fixed effects models. *Journal of Business and Economic Statistics*, 41(2), 650-652.

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Odom, S. L., Barton, E. E., Reichow, B., Swaminathan, H., & **Pustejovsky, J. E.** (2018). Between-case standardized effect size analysis of single case designs: Examination of the two methods. *Research in Developmental Disabilities*, 79, 88-96.

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Zimmerman, K. N., Ledford, J. R., Severini, K. E., **Pustejovsky, J. E.**, Barton, E. E., & Lloyd, B. P. (2018). Single-case synthesis tools I: Comparing tools to evaluate SCD quality and rigor. *Research in Developmental Disabilities*, 79, 19-32. <https://doi.org/10.1016/j.ridd.2018.02.003>

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Maggin, D. M., Lane, K. L., & **Pustejovsky, J. E.** (2017). Introduction to the special issue on single-case systematic reviews and meta-analysis. *Remedial and Special Education*, 38(6), 323-330. <https://doi.org/10.1177/0741932517717043>

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Common, E. A., Lane, K. L., **Pustejovsky, J. E.**, Johnson, A. H., & Johl, L. E. (2017). Functional assessment-based interventions for students with or at-risk for high incidence

disabilities: Field-testing single-case synthesis methods. *Remedial and Special Education*, 38(6), 331-352. <https://doi.org/10.1177/0741932517693320>

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Sherman, A. S., Merluzzi, T. V., **Pustejovsky, J. E.**, Park, C. L., George, L., Fitchett, G., Jim, H. S., Munoz, A. R., Danhauer, S. C., Snyder, M. A. & Salsman, J. M. (2015). A meta-analytic review of religious or spiritual involvement and social health among cancer patients. *Cancer*, 121(21), 3779-3788. <https://doi.org/10.1002/cncr.29352>

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Shadish, W. R., Hedges, L. V., & **Pustejovsky, J. E.** (2014). Analysis and meta-analysis of single-case designs with a standardized mean difference statistic: A primer and applications. *Journal of School Psychology*, 52, 123-147. <https://doi.org/10.1016/j.jsp.2013.11.005>

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Hedges, L. V., **Pustejovsky, J. E.**, & Shadish, W. R. (2013). A standardized mean difference effect size for multiple baseline designs across individuals. *Research Synthesis Methods*, 4(4), 324-341. <https://doi.org/10.1002/jrsm.1086>

Hedges, L. V., **Pustejovsky, J. E.**, & Shadish, W. R. (2012). A standardized mean difference effect size for single case designs. *Research Synthesis Methods*, 3(3), 224-239. <https://doi.org/10.1002/jrsm.1052>

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Pustejovsky, J. E., Spillane, J. P., Heaton, R. & Lewis, W. J. (2009). Understanding teacher leadership in middle school mathematics: A collaborative research effort. *Journal of Mathematics and Science: Collaborative Explorations*, 11, 19-40. <https://doi.org/10.25891/MZVX-A892>

Pustejovsky, J. E. & Spillane, J. P. (2009). Question-order effects in social network name generators. *Social Networks*, 31(4), 221-229. <https://doi.org/10.1016/j.socnet.2009.06.001>

Spillane, J. P., Camburn, E. M., **Pustejovsky, J. E.**, Stitzel Pareja, A., & Lewis, G. (2008). Taking a distributed perspective: epistemological and methodological tradeoffs in operationalizing the leader-plus aspect. *Journal of Educational Administration*, 46(2), 189-213. <https://doi.org/10.1108/09578230810863262>

BOOK CHAPTERS

Pustejovsky, J. E., & Ferron, J. M. (2017). Research synthesis and meta-analysis of single-case designs. In J. M. Kauffman, D. P. Hallahan, & P. C. Pullen (Eds.), *Handbook of Special Education, 2nd Edition*. New York, NY: Routledge.

Shadish, W. R., Hedges, L. V., **Pustejovsky, J. E.**, Rindskopf, D. M., Boyajian, J. G., & Sullivan K. J. (2014). Analyzing single-case designs: *d*, *G*, hierarchical models, Bayesian estimators, generalized additive models, and the hopes and fears of researchers about analyses. In T. R. Kratochwill & J. R. Levin (Eds.), *Single-Case Intervention Research: Methodological and Data-Analysis Advances*. Washington, D.C.: American Psychological Association.

Spillane, J. P., Camburn, E. M., **Pustejovsky, J. E.**, Stitzel Pareja, A., & Lewis, G. (2009). Taking a distributed perspective in studying school leadership and management: The challenge of study operations. In A. Harris (ed.), *Distributed Leadership: Different Perspectives*. Dordrecht, DE: Springer, 47-80.

DISCUSSION PAPERS, LETTERS, AND OTHER PUBLISHED WORK

Sandbank, M. & **Pustejovsky, J. E.** (2024). Evidence that intervention dosage is associated with better outcomes in autism – Reply. *JAMA Pediatrics*, online publication. <https://doi.org/10.1001/jamapediatrics.2024.4707>

Miratrix, L. W. & **Pustejovsky, J. E.** (2024). *Designing Monte Carlo Simulations in R*. Open online textbook. <https://jepusto.github.io/Designing-Simulations-in-R/>

Ferron, J. M., Kirby, M., Lippen, L., **Pustejovsky, J. E.**, Chen, M., Grekov, P., & Machalicek, W. (2023). *Effect Size Estimation and Synthesis of Single-Case Designs: A Methods Guide*. Institute of Education Sciences. U.S. Department of Education. Washington, DC. <https://jepusto.github.io/SCD-Methods-Guide/>

Pustejovsky, J. E. & Joshi, M. (2021). Evaluating the Transition to College Mathematics Course in Texas high schools: Examining heterogeneity across schools and student characteristics. Greater Texas Foundation White Paper. Greater Texas Foundation, Bryan, TX.

Ganz, J., **Pustejovsky, J. E.**, Reichle, J., Vannest, K., Pierson, L., Wattanawongwan, S., Chen, M., Foster, M., Fuller, M., Haas, A., Hamilton, B., Sallese, M., Smith, S. D., & Yllades, V. (2020). Methodology: Systematic review and meta-analysis of the AAC literature for people with autism spectrum disorder or intellectual disabilities who have complex communication needs through 2020. Available electronically from <https://hdl.handle.net/1969.1/189532> .

Pustejovsky, J. E. & Joshi, M. (2020). Evaluating the Transition to College Mathematics Course in Texas high schools: Findings from the second year of implementation. Greater Texas Foundation White Paper. Greater Texas Foundation, Bryan, TX. <https://www.greatertexasfoundation.org/wp-content/uploads/2021/08/Pustejovsky-White-Paper-2020-REVISED.pdf>

Pustejovsky, J. E. & Joshi, M. (2019). Evaluating the Transition to College Mathematics Course in Texas high schools: Findings from the first year of implementation. Greater Texas Foundation White Paper. Greater Texas Foundation, Bryan, TX. <https://www.greatertexasfoundation.org/wp-content/uploads/2021/08/Pustejovsky-Final-2019.pdf>

Valentine, J. C., Tanner-Smith, E. E., **Pustejovsky, J. E.**, & Lau, T. S. (2016). Between-case standardized mean difference effect sizes for single-case designs: A primer and tutorial using the scdhlrm web application. *Campbell Systematic Reviews*, 12(1), 1-31. <https://doi.org/10.4073/cmdp.2016.1>

Salsman, J. M., **Pustejovsky, J. E.**, Park, C. L., Sherman, A. S., Merluzzi, T. V., Danhauer, S. C., Jim, H. S., & Fitchett, G. (2016). Reply to the association between religion/spirituality and mental health in cancer. *Cancer*, 122, 2441-2442. <https://doi.org/10.1002/cncr.30019>

UNDER SUBMISSION/REVISION

Reichle, J., Ganz, J. B., Pustejovsky, J. E., Bodenhamer, S., Klein, M., Foster, M., Grekov, P., Altamira, W., & Wattanawongwan, S. (2025). Treatment intensity variables in AAC interventions for school-aged learners with autism and IDD: A meta-analysis.

<https://osf.io/r4hgj/>

Chen, M., & Pustejovsky, J. E. (2025). Addressing selective reporting bias in meta-analysis of dependent effect sizes: A tutorial in R.

Pössel, P., Valentine, J. C., Burton, S., Cauley, C. M., Alharbi, A., Cauley, B., Dondanville, A. A., Gerbine, S., Heitz, H., Hublar, E., McClure, E., Mustapha, T., Nzama, N., Patel, K. S., Pratt, T., Tinman, J., Zarei, H., Armah, M., Forte, M., Sui, D., Tipton, E., Mathur, M. B., Zhang, J., Pustejovsky, J. E., Bartoš, F., Maier, M., Stanley, T. D., Jansen, T., Meyer, J., Mertens, U., Polanin, J. R., Michaelson, L., Grant, S., Edmar, B. A., Kuiper, R. M., Chvojka, E., Steingut, R. R., Taylor, J. A., Martinez, D. Y., López-Nicolás, R., López-López, J. A., & Sandoval-Lentisco, A. (2025). Attributional style and depressive symptoms in black and white youth: A many analysts meta-analysis.

Pustejovsky, J. E., Citkowicz, M., & Joshi, M. (2025). Estimation and inference for step-function selection models in meta-analysis with dependent effects.

https://osf.io/preprints/metaarxiv/qg5x6_v1

Hutchinson, B. T., Pustejovsky, J. E., Bandara, K., McGovern, H., Cox, J., Pitts, M., & Slagter, H. A. (2023). The neural correlates of consciousness: A systematic review and meta-analysis registered report on the visual awareness negativity and P3b. Accepted in principle at *Psychological Bulletin*.

Lee, Y. R., Beretvas, S. N., & Pustejovsky, J. E. (2024). A comparison of methods for centering covariates in cross-classified random effects models.

SOFTWARE

Pustejovsky, J. E., Joshi, M., & Citkowicz (2025). *metaselection: Meta-analytic selection models with cluster-robust and cluster-bootstrap standard errors for dependent effect size estimates* (R package version 0.1.5). URL: <https://github.com/jepusto/metaselection>

Vembye, M. H. & Pustejovsky, J. E. (2023). *POMADE: Power for Meta-Analysis of Dependent Effects* (R package version 0.2.0). URL: <https://CRAN.R-project.org/package=POMADE>

Joshi, M., Pustejovsky, J. E., & Cappelli, P. (2022). *Wildmeta: Cluster Wild Bootstrapping for Meta-Analysis* (R package version 0.3.2). URL: <https://CRAN.R-project.org/package=wildmeta>

Pustejovsky, J. E. (2024). *clubSandwich: Cluster-robust (sandwich) variance estimators with small-sample corrections* (R package version 0.5.10). URL: <https://CRAN.R-project.org/package=clubSandwich>

Pustejovsky, J. E., Chen, M., & Hamilton, B. (2021). *scdhlmm: Estimating Hierarchical Linear Models for Single-Case Designs* (R package version 0.5.2). URL: <https://CRAN.R-project.org/package=scdhlmm>

Pustejovsky, J. E. & Chen, M. (2021). *lmeInfo: Information Matrices for 'lmeStruct' and 'glsStruct' Objects* (R package version 0.1.3). URL: <https://CRAN.R-project.org/package=lmeInfo>

Pustejovsky, J. E., Chen, M., Swan, D. M., & Grekov, P. (2021). *SingleCaseES: A Calculator for Single-Case Effect Size Indices* (R package version 0.7.2). URL: <https://CRAN.R-project.org/package=SingleCaseES>

Joshi, M., & Pustejovsky, J. E. (2021). *simhelpers: Helper Functions for Simulation Studies* (R package version 0.2.1). URL: <https://CRAN.R-project.org/package=simhelpers>

Tyszler, M., Pustejovsky, J. E., & Tipton, E. (2017). REG_SANDWICH: Stata module to compute cluster-robust (sandwich) variance estimators with small-sample corrections for linear regression, Statistical Software Components S458352, Boston College Department of Economics. URL: <https://ideas.repec.org/c/boc/bocode/s458352.html>

Pustejovsky, J. E. (2021). *ARPobservation: Simulating Recording Procedures for Direct Observation of Behavior* (R package version 1.2.2). URL: <https://CRAN.R-project.org/package=ARPobservation>

CONFERENCE PRESENTATIONS (*italics indicate student author*)

Pustejovsky, J. E., Citkowitz, M., & Joshi, M. (2024). Models for examining selective reporting in meta-analysis with dependent effects. Presentation at the Society for Research on Educational Effectiveness Conference, September 21, 2024 in Baltimore, MD.

Pustejovsky, J. E., Chen, M., Klingbeil, D., & Van Norman, E. (2024). Bayesian estimation of between-case standardized mean differences: A simulation study. Poster presented at the American Educational Research Association annual convention, April 12, 2024 in Philadelphia, PA.

Pustejovsky, J. E., Zhang, J., & Tipton, E. (2023). Equity-related moderator analysis in syntheses of dependent effect sizes: Conceptual and statistical considerations. Presentation at the Society for Research on Educational Effectiveness Conference, September 27, 2023 in Arlington, VA.

Pustejovsky, J. E., Chen, M., Klingbeil, D., & Van Norman, E. (2023). Empirical benchmarks for between-case standardized mean differences from single-case multiple baseline designs examining academic interventions. Presentation at the American Educational Research Association annual convention, April 16, 2023 in Chicago, IL.

Pustejovsky, J. E. (2023). Discussion of 'Moving from What Works to What Replicates: Promoting the Systematic Replication of Results.' Presentation at the American Educational Research Association annual convention, April 15, 2023 in Chicago, IL.

Joshi, M. & **Pustejovsky, J. E.** (2023). Clustered bootstrapping for selective reporting models in meta-analysis with dependent effects. Evidence Synthesis and Meta-Analysis in R Conference, March 30, 2023 (online). <https://youtu.be/BPfiQkwjqX8?t=1243>

Pustejovsky, J. E. (2022). A matter of emphasis: Comparison of working models for meta-analysis of dependent effect sizes. Presentation at the Society for Research Synthesis Methodology annual meeting, July 20, 2022 (online and in Portland, OR).

Pustejovsky, J. E., & Chen, M. (2022). Synthesis of non-overlap of all pairs using logistic transformation or binomial generalized linear mixed model. Poster presented at the American Educational Research Association annual convention, April 21, 2022 (online).

Mathur, M., & **Pustejovsky, J. E.** (2021). Statistical frontiers for selective reporting and publication bias. Workshop presented at the Society for Improvement of Psychological Science 2021 meeting, June 23, 2021 (online).

Lee, Y. R., & **Pustejovsky, J. E.** (2021). Comparison of competing approaches to analyzing cross-classified data. Presentation at the American Educational Research Association annual convention, April 12, 2021 (online).

Pustejovsky, J. E. (2021). On the multivariate distribution of effect size estimates from single-case experimental designs. Poster presented at the American Educational Research Association annual convention, April 12, 2021 (online).

Chen, M., & **Pustejovsky, J. E.** (2021). Meta-analysis of single-case experimental designs using robust variance estimation. Poster presented at the American Educational Research Association annual convention, April 12, 2021 (online).

Swan, D. M., **Pustejovsky, J. E., & Beretvas, S. N.** (2021). The impact of response-guided designs on within-case effect size estimates from count-outcome treatment reversal designs. Poster presented at the American Educational Research Association annual convention, April 12, 2021 (online).

Pustejovsky, J. E. (2021). Synthesis of dependent effect sizes: Versatile models through metafor and clubSandwich. Evidence Synthesis and Meta-Analysis in R Conference, January 21, 2021 (online). <https://youtu.be/Q9Nce5pxebY?t=66>

Rodgers, M. A. & **Pustejovsky, J. E.** (2019). Evaluating meta-analytic methods to detect selective outcome reporting in the presence of dependent effect sizes. Presentation at the Society for Research Synthesis Methodology annual meeting, July 22, 2019 in Chicago, IL.

Pustejovsky, J. E. & Rodgers, M. A. (2019). A generalized excess significance test for selective outcome reporting with dependent effect sizes. Presentation at the Society for Research Synthesis Methodology annual meeting, July 22, 2019 in Chicago, IL.

Pustejovsky, J. E. (2019). Log response ratio effect sizes: Rationale and methods for single case designs with behavioral outcomes. Presentation at the Association for Behavior Analysis International annual convention, May 26, 2019 in Chicago, IL.

Pustejovsky, J. E., Swan, D.M., & English, K. E. (2019). An examination of measurement procedures and baseline behavioral outcomes in single-case research. Poster presented at the American Educational Research Association annual convention, April 7, 2019 in Toronto, Ontario.

Swan, D.M., Pustejovsky, J. E., & Beretvas, S. N. (2019). The impact of response-guided designs on count outcomes in single-case design baselines. Poster presented at the American Educational Research Association annual convention, April 7, 2019 in Toronto, Ontario.

Pustejovsky, J. E., & English, K. E. (2019). Effects of single-sex schools on academic performance: An evaluation of all-girls public schools in Texas. Presentation at the American Educational Research Association annual convention, April 7, 2019 in Toronto, Ontario.

Rodgers, M.A. & Pustejovsky, J.E. (2019). Evaluating meta-analytic methods to detect outcome reporting bias in the presence of dependent effect sizes. Poster presented in the Division-D In-Progress Research Gala at the Annual Meeting of the American Educational Research Association annual convention, April 8, 2019 in Toronto, Ontario.

Pustejovsky, J. E. (2019). Small sample cluster-robust variance estimators for two-stage least squares models. Presentation at the Society for Research on Educational Effectiveness Conference, March 8, 2019 in Washington, D.C.

Furman, G. & Pustejovsky, J. E. (2019). Assessing sampling methods for generalization from RCTs: Modeling recruitment and participation. Presentation at the Society for Research on Educational Effectiveness Conference, March 7, 2019 in Washington, D.C.

Pustejovsky, J.E., Tipton, E., & Aloe, A. (2018). Combining robust variance estimation with models for dependent effect sizes. Presentation at the Society for Research Synthesis Methodology annual meeting, July 18, 2018 in Bristol, UK.

Pustejovsky, J.E., Tipton, E., & Aloe, A. (2018). Meta-analysis of dependent effect sizes: A review and consolidation of methods. Presentation at the American Educational Research Association annual convention, April 15, 2018 in New York, NY.

Rodgers, M.A. & Pustejovsky, J.E. (2018). Testing for funnel plot asymmetry of standardized mean differences. Presentation at the American Educational Research Association annual convention, April 15, 2018 in New York, NY.

Tipton, E., Pustejovsky, J.E., & Ahmadi, H. (2018). Meta-analysis in Education: Past, Present, & Future. Presentation at the American Educational Research Association annual convention, April 15, 2018 in New York, NY.

Swan, D.M., & Pustejovsky, J.E. (2018). A gradual effects model for single-case designs. Poster presented at the Institute of Education Sciences 2018 Principal Investigators Meeting, January 10, 2018 in Washington, DC.

Pustejovsky, J.E., & Furman, G. (2017). Heteroskedasticity-robust tests in linear regression: A review and evaluation of small-sample corrections. Presentation at the American Educational Research Association annual convention, April 30, 2017 in San Antonio, TX.

Pustejovsky, J.E. (2017). Using response ratios for meta-analyzing single-case designs with behavioral outcomes. Poster presented at the American Educational Research Association annual convention, April 28, 2017 in San Antonio, TX.

Swan, D.M., & Pustejovsky, J.E. (2017). A nonlinear intervention analysis model for treatment reversal single-case designs. Poster presented at the American Educational Research Association annual convention, April 28, 2017 in San Antonio, TX.

Pustejovsky, J. E. & Tipton, E. (2017). Small sample corrections for use of cluster-robust standard errors in the analysis of school-based experiments. Presentation at the Society for Research on Educational Effectiveness Conference, March 2, 2017 in Washington, D.C.

Pustejovsky, J. E. & Tipton, E. (2016). Small-sample methods for cluster-robust variance estimation and hypothesis testing in fixed effects models. Presentation at the Joint Statistical Meetings, July 31, 2016 in Chicago, IL.

Pustejovsky, J. E. & Tipton, E. (2015). Small-sample adjustments for multiple-contrast hypothesis tests of meta-regressions using robust variance estimation. Presentation at the annual meeting of the Society for Research Synthesis Methods, July 8, 2015 in Nashville, TN.

Pustejovsky, J. E. (2015). Operational sensitivities of non-overlap effect sizes for single-case experimental designs. Poster presented at the American Educational Research Association annual convention, April 19, 2015 in Chicago, IL.

Pustejovsky, J. E. & Tipton, E. (2015). Small-sample adjustments for F-tests using robust variance estimation in meta-regression. Presentation at the American Educational Research Association annual convention, April 18, 2015 in Chicago, IL.

Pustejovsky, J. E. (2015). Observation procedures and Markov Chain models for estimating the prevalence and incidence of a state behavior. Presentation at the American Educational Research Association annual convention, April 16, 2015 in Chicago, IL.

Tipton, E. & Pustejovsky, J. E. (2015). Small-sample adjustments for tests of moderators and model fit using robust variance estimation in meta-regression. Presentation at the Society for Research on Educational Effectiveness Conference, March 6, 2015 in Washington, D.C.

Pustejovsky, J. E. & Swan, D.M. (2014). Four methods of analyzing partial interval recording data, with application to single-case research. Poster presented at the American Educational Research Association annual convention, April 4, 2014 in Philadelphia, PA.

Pustejovsky, J. E. (2014). Addressing construct invalidity in partial interval recording data. Presentation at the Texas Universities Educational Statistics and Psychometrics Meeting, March 21, 2014, at Texas A&M University, College Station, TX.

Pustejovsky, J. E. (2014). On internal validity in multiple baseline designs. Presentation at the Society for Research on Educational Effectiveness Conference, March 6, 2014 in Washington, D.C.

Pustejovsky, J. E. (2013). Effect sizes and measurement comparability for meta-analysis of single-case research. Presentation at the annual convention of the Association for Behavior Analysis International, May 28, 2013 in Minneapolis, MN.

Pustejovsky, J. E. (2013). Observation procedures and Markov chain models for estimating the prevalence and incidence of a behavior. Poster presented at the American Educational Research Association annual convention, April 30, 2013 in San Francisco, CA. *Awarded first place in the Division-D In-Progress Research Poster Competition.*

Pustejovsky, J. E. (2013). Operationally comparable effect sizes for meta-analysis of single-case research. Presentation at the Society for Research on Educational Effectiveness Conference, March 7, 2013 in Washington, D.C.

Hedges, L. V., Shadish, W. R., & **Pustejovsky, J. E.** (2011). A d-estimator for single case designs. Presentation at the Society for Research Synthesis Methods conference, July 13, 2011 in Ottawa, Canada.

Pustejovsky, J. E. (2011). Power analysis for anticipated non-response in randomized block experimental designs. Poster presented at the Society for Research on Educational Effectiveness Conference, March 3-5, 2011 in Washington, D.C.

Pustejovsky, J. E. (2010). Power analysis for anticipated non-response in simple experimental designs. Poster presented at the Institute for Education Sciences Conference, June 28-30, 2010 in Washington, D.C.

Pustejovsky, J. E. & Spillane, J. P. (2008). Question-order effects in social network name generators. Poster presented at the 28th annual International Sunbelt Social Network Conference, January 23, 2008, in St. Petersburg Beach, Florida.

INVITED PRESENTATIONS

Pustejovsky, J. E. (2025). What are we modeling? Using predictive fit to inform effect metric choice in meta-analysis. Presentation in the UW Madison Statistics Department Seminar, October 9, 2025, Madison, WI.

Pustejovsky, J. E. (2025). A preliminary data analysis workflow for meta-analysis of dependent effect sizes. Presentation in the AERA Systematic Review and Meta-Analysis Special Interest Group Online Seminar Series, October 3, 2025 (online).

Pustejovsky, J. E. & Drevon, D. D. (2025). Systematic Reviews of Single-Case Research: Aims, Challenges, and Good Practices. Presentation at the Association for Behavior Analysis International Single Case Conference, September 26, 2025, Minneapolis, MN.

Pustejovsky, J. E. (2025). Predictive checks of statistical models for SCD data. Presentation at the Wing Institute Single Case Conference, May 15, 2025 at Vanderbilt University, Nashville, TN.

Pustejovsky, J. E. (2025). Investigating selective reporting in meta-analyses of dependent effect sizes: Some elaborations of the step-function selection model. Presentation at the Joint Statistical Meeting of the Deutsche Arbeitsgemeinschaft Statistik, March 27, 2025, Berlin, Germany.

Pustejovsky, J. E. (2024). Model-building considerations in meta-analysis of dependent effect sizes. Presentation at the Danish Center for Social Science Research, May 17, 2024, Copenhagen, Denmark.

Pustejovsky, J. E. (2023). Determining the timing of phase changes: Some statistical perspective. Presentation at the Wing Institute Single Case Conference, May 18, 2023 at Vanderbilt University, Nashville, TN.

Pustejovsky, J. E. (2023). Calculating effect sizes for single-case research: An introduction to the SingleCaseES and scdhlmm web applications and R packages. Workshop presentation at the Small-is-Beautiful (Once More) 3rd International N=1 Symposium, April 26, 2023 (online).

Pustejovsky, J. E. (2023). Effect size measures for single-case research: Conceptual, practical, and statistical considerations. Keynote presentation at the Small-is-Beautiful (Once More) 3rd International N=1 Symposium, April 25, 2023 (online).

Pustejovsky, J. E. (2022). The state of single case synthesis: Premises, tools, and possibilities. Keynote presentation at Spencer Single Case Conference, May 19, 2022 at Vanderbilt University, Nashville, TN.

Pustejovsky, J. E. (2022). Selective reporting in meta-analysis of dependent effect sizes. Presentation at the Stanford Quantitative Sciences Unit Research Methods Seminar, February 8, 2022 (online).

Pustejovsky, J. E. (2022). Easy, cluster-robust standard errors with the clubSandwich package. Oslo R User Group Meetup, February 3, 2022 (online).

Pustejovsky, J. E. (2019). Synthesis of dependent effect sizes: Robust variance estimation with clubSandwich. Oslo R User Group Meetup, September 2, 2021 (online).

Pustejovsky, J. E. (2018). Meta-analysis of single-case research: A brief and breezy tour. Presentation at the Systematic Reviews and Meta-Analysis Special Interest Group, American Educational Research Association annual convention, April 15, 2018 in New York, NY.

Pustejovsky, J. E. (2018). Randomization inference for single case experimental designs. Presentation at the Institute of Education Sciences 2018 Principal Investigators Meeting, January 10, 2018 in Washington, DC.

Pustejovsky, J. E. (2016). Effect sizes for single case research. Presentation at Institute of Education Sciences 2016 Principal Investigators Meeting, December 19, 2016 in Washington, DC.

Pustejovsky, J. E. (2016). When large samples act small: The importance of small-sample adjustments for cluster-robust inference in impact evaluations. Presentation at the American Institutes for Research Impact Working Group Lecture Series, July 18, 2016.

Pustejovsky, J. E. (2013). Some Markov models for direct observation of behavior. Presentation at the Department of Statistics, Northwestern University, May 29, 2013.

Pustejovsky, J. E. (2012). Some implications of behavioral observation procedures for meta-analysis of single-case research. Presentation at the Department of Educational Psychology, College of Education, University of Texas at Austin, November 14, 2012.

ADVISING

Current Advisees:

- Paulina Grekov (UW Madison, Quantitative Methods)
- Victor Feigins (UW Madison, Quantitative Methods)
- Jingru Zhang (UW Madison, Quantitative Methods, co-advised with Jee-Seon Kim)
- Graham Buhrman (UW Madison, Quantitative Methods, co-advised with Jee-Seon Kim)

Doctoral dissertation supervision:

- Melissa Rodgers (2025, UT Austin, Quantitative Methods, co-supervised with Tasha Beretvas)
- Bethany Hamilton (2025, UT Austin, Quantitative Methods, co-supervised with Tasha Beretvas)
- Man Chen (2024, UW Madison, Quantitative Methods)
- Young Ri Lee (2023, UT Austin, Quantitative Methods, co-supervised with Tasha Beretvas)
- Gleb Furman (2023, UT Austin, Quantitative Methods)
- Nichole Baker (2023, UT Austin, School Psychology, co-supervised with Sarah-Kate Bearman)
- Megha Joshi (2021, UT Austin, Quantitative Methods, co-supervised with Tasha Beretvas)
- Christopher R. Runyon (2020, UT Austin, Quantitative Methods)
- Daniel M. Swan (2019, UT Austin, Quantitative Methods)

Doctoral dissertation committee:

- Joel Beier (current, UW Madison, Learning Sciences)
- Jessica Kim (current, UW Madison, School Psychology)
- Xining Liao (current, UW Madison, School of Journalism and Mass Communication)
- Mingya Huang (2025, UW Madison, Quantitative Methods)
- Tory Ash (2025, UW Madison, School Psychology)
- Alexander Latham (2024, UW Madison, School Psychology)
- Hanna Kim (2024, UW Madison, Quantitative Methods)
- Shanna Bodenhamer (2024, Texas A&M University, Special Education)
- Diego Gonzalez Campos (2024, University of Oslo, Educational Measurement)
- Alexander Latham (2024, UW Madison, School Psychology)
- Valerie Odeh-Couvertier (2024, UW Madison, Industrial and Systems Engineering)
- Kelly Gregus (2023, UW Madison, School Psychology)
- Soobin Im (2023, UW Madison, School Psychology)
- Pragya Shrestha (2023, University of Delaware, Quantitative Methods)
- Shiyu Yang (2023, UW Madison, Life Sciences Communication)
- Nana Kim (2022, UW Madison, Quantitative Methods)
- Rebecca Woo (2022, UT Austin, School Psychology)
- Lisa Moore (2021, UW Madison, School Psychology)
- Christy R. Austin (2019, UT Austin, Special Education)
- Kejin Lee (2019, UT Austin, Quantitative Methods)
- Michael J. Balsan (2019, UT Austin, Counseling Psychology)
- Abigail Mitchell (2019, UT Austin, School Psychology)
- Miranda Nadeau (2018, UT Austin, Counseling Psychology)
- Man Yang (2018, UT Austin, Special Education)
- Erica Wendel (2018, UT Austin, Human Development, Culture, and Learning Sciences)
- Sophia Yang Hooper (2018, UT Austin, Human Development, Culture, and Learning Sciences)
- Sunyoung Park (2018, UT Austin, Quantitative Methods)
- David Osman (2017, UT Austin, Human Development, Culture, and Learning Sciences)
- Meaghann Wheelis (2017, UT Austin, Quantitative Methods)
- Kelly Banneyer (2016, UT Austin, School Psychology)

Preliminary exam committees:

- Paulina Grekov (2025, UW Madison, Quantitative Methods)
- Mary Lu (2025, UW Madison, Communication Arts)
- Mingya Huang (2024, UW Madison, Quantitative Methods)
- Hanna Kim (2024, UW Madison, Quantitative Methods)
- Valerie Odeh-Couvertier (2023, UW Madison, Industrial and Systems Engineering)
- Shiyu Yang (2022, UW Madison, Life Sciences Communication)

Doctoral qualifying process supervision:

- Young Ri Lee (2020, UT Austin, Quantitative Methods)
- Megha Joshi (2019, UT Austin, Quantitative Methods)
- Melissa Rodgers (2018, UT Austin, Quantitative Methods)
- Gleb Furman (2017, UT Austin, Quantitative Methods)
- Daniel M. Swan (2016, UT Austin, Quantitative Methods)

Masters thesis supervision:

- Victor Feigins (current, UW Madison, Quantitative Methods)
- Jingru Zhang (current, UW Madison, Quantitative Methods)
- Paulina Grekov (2024, UW Madison, Quantitative Methods)
- Michael J. Balsan (2017, UT Austin, Program Evaluation)
- Weiwei Xu (2014, UT Austin, Statistics)

Masters thesis committee:

- Graham Buhrman (2024, UW Madison, Quantitative Methods)
- Kjorte Harra (2024, UW Madison, Quantitative Methods)
- Sinan Yavuz (2021, UW Madison, Quantitative Methods)

SERVICE

Leadership:

- Society for Research Synthesis Methodology
 - 2025 annual meeting chair (local arrangements and scientific program)
 - President-Elect (2024-25)
 - President (2025-26)
- AERA Special Interest Group on Systematic Reviews and Meta-Analysis
 - Chair (2021-2025)
 - Program co-chair (2018-2021)

Teaching:

- Instructor, *Designing Simulations for Power Analysis (and Other Things): A Hands-on Workshop Series Using R*. Online workshop series sponsored by the Society for Research on Educational Effectiveness. May 20, May 27, June 3, & June 10, 2021 (online).
- Instructor, Institute of Education Sciences Summer Research Training Institute on Single-Case Intervention Design and Analysis. Madison, WI (June 4-8, 2018; June 18-22, 2019; July 12-16, 2022; July 25-29, 2023; July 9-13, 2024).
- Instructor, American Psychological Association Advanced Training Institute on Single-Case Intervention Research. Madison, WI, June 27-July 1, 2016.

Grant review

- Institute of Education Sciences grant review panel (2017, 2019-2021).

- National Science Foundation grant review panel (2023).
- National Science Foundation ad hoc grant review (2019, 2021).

Editorial appointments:

- Psychological Bulletin, associate editor (2020 - present)

Editorial boards:

- Research Synthesis Methods (2019 – present)
- Journal of Educational and Behavioral Statistics (2019 – present)
- Topics in Early Childhood Special Education (2016 – present)
- Psychological Bulletin (2015 – 2019)

Referee service:

- Methodological referee, Campbell Collaboration (2011 – 2016)
- Proposal reviews for:
 - Society for Research on Educational Effectiveness (2012, 2016-2019)
 - American Educational Research Association Systematic Reviews & Meta-Analysis SIG (2016-2018)
- Ad-hoc reviews for:
 - Behavior Research Methods
 - Computational Statistics and Data Analysis
 - Developmental Neurorehabilitation
 - Education and Treatment of Children
 - Evaluation Review
 - Field Methods
 - International Journal of Research & Method in Education
 - Journal for Specialists in Group Work
 - Journal of Educational and Behavioral Statistics
 - Journal of Educational Psychology
 - Journal of Research on Educational Effectiveness
 - Journal of School Psychology
 - Methodology: European Journal of Research Methods for the Behavioral and Social Sciences
 - Multivariate Behavioral Research
 - Psychological Methods
 - Remedial and Special Education
 - Research in Developmental Disabilities
 - Research Synthesis Methods
 - Review of General Psychology
 - Social Networks
 - Structural Equation Modeling

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