

# 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*)

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*, forthcoming.

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](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](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., Sallese, 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>

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Ganz, J., **Pustejovsky, J. E.**, Reichle, J., Vannest, K., Pierson, L., Wattanawongwan, S., Foster, M., Fuller, M., Haas, A., Sallese, 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/9qnfq>

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., Sallese, 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](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](https://doi.org/10.1044/2022_JSLHR-22-00017)

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

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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>

Tipton, E., **Pustejovsky, J. E.**, & Ahmadi, H. (2019). Current practices in meta-regression in psychology, education, and medicine. *Research Synthesis Methods*, 10(2), 180-194.  
<https://doi.org/10.1002/jrsm.1339>  
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.

<https://doi.org/10.1016/j.jsp.2018.02.003>

Pre-print: <https://doi.org/10.31234/osf.io/nj28d>

**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>

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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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Barton, E. E., **Pustejovsky, J. E.**, Maggin, D. M., & Reichow, B. (2017). Technology-aided instruction and intervention for students with ASD: A meta-analysis using novel methods of estimating effect sizes for single-case research. *Remedial and Special Education, 38*(6), 371-386. <https://doi.org/10.1177/0741932517729508>

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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>

**Pustejovsky, J. E. & Swan, D. M.** (2015). Four methods of analyzing partial interval recording data, with application to single-case research. *Multivariate Behavioral Research, 50*(3), 365-380. <https://doi.org/10.1080/00273171.2015.1014879>



Tipton, E. & **Pustejovsky, J. E.** (2015). Small-sample adjustments for tests of moderators and model fit using robust variance estimation in meta-regression. *Journal of Educational and Behavioral Statistics*, 40(6), 604-634. <https://doi.org/10.3102/1076998615606099>

Jim, H. S., **Pustejovsky, J. E.**, Park, C. L., Danhauer, S. C., Sherman, A. S., Fitchett, G., Merluzzi, T. V., Munoz, A. R., George, L., Snyder, M. A. & Salsman, J. M. (2015). Religion, spirituality, and physical health in cancer patients: A meta-analysis. *Cancer*, 121(21), 3760-3768. <https://doi.org/10.1002/cncr.29353>

Salsman, J. M., **Pustejovsky, J. E.**, Jim, H. S., Munoz, A. R., Merluzzi, T. V., George, L., Park, C. L., Danhauer, S. C., Sherman, A. S., Snyder, M. A., & Fitchett, G. (2015). A meta-analytic approach to examining the relationship between religion/spirituality and mental health in cancer. *Cancer*, 121(21), 3769-3778. <https://doi.org/10.1002/cncr.29350>

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>

**Pustejovsky, J. E.** (2015). Measurement-comparable effect sizes for single-case studies of free-operant behavior. *Psychological Methods*, 20(3), 342-359. <https://doi.org/10.1037/met0000019>

**Pustejovsky, J. E.** & Runyon, C. R. (2014). Alternating renewal process models for behavioral observation: Simulation methods, software, and validity illustrations. *Behavioral Disorders*, 39 (4), 211-227.

**Pustejovsky, J. E.** (2014). Converting from  $d$  to  $r$  to  $z$  when the design uses extreme groups, dichotomization, or experimental control. *Psychological Methods*, 19(1), 92-112. <https://doi.org/10.1037/a0033788>

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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>

Dorner, L. M., Spillane, J. P., **Pustejovsky, J. E.** (2011). Organizing for instruction: A comparative study of public, charter, & Catholic schools. *Journal of Educational Change*, 12, 71-98. <https://doi.org/10.1007/s10833-010-9147-5>

**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.

Grekov, P., & **Pustejovsky, J. E.** (2025). A gentle introduction to Bayesian posterior predictive checking for single-case researchers. <https://doi.org/10.21203/rs.3.rs-7032595/v1>

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](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 (Stage One) 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., Citkowicz, 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). 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 scdhlrm web applications and R packages. Workshop presentation at the Small-is-Beautiful (Once More) 3<sup>rd</sup> 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) 3<sup>rd</sup> 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)
- Mingya Huang (current, UW Madison, Quantitative Methods)
- Jessica Kim (current, UW Madison, School Psychology)
- Xining Liao (current, UW Madison, School of Journalism and Mass Communication)
- 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

## **MEMBERSHIP**

American Statistical Association

American Educational Research Association

Society for Research on Educational Effectiveness