

JAMES E. PUSTEJOVSKY

Department of Educational Psychology
University of Texas at Austin
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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

- 2013-present Assistant Professor, Department of Educational Psychology
 Quantitative Methods program
 University of Texas at Austin, Austin, TX.
- 2006-2008 Research Analyst, Distributed Leadership Studies
 Northwestern University, Evanston, IL.
- 2003-2006 Analyst/Senior Analyst
 Analysis Group, Boston, MA.

HONORS AND AWARDS

- 2016-present *Member*, Society for Research Synthesis Methodology
- 2014 Outstanding Quantitative Dissertation
 Division D (Measurement and Research Methodology) of the American Educational
 Research Association
- 2009-2012 Multidisciplinary Program in Educational Sciences Fellowship,
 Northwestern University

FUNDING

Bayesian Analysis of Academic Outcomes from Single-Case Experimental Designs (R305D190023)
Institute of Education Sciences, Statistical and Research Methodology in Education Program
Status: Funded
Role: Co-PI (PI: Ethan Van Norman, Lehigh University; Co-PI: David Klingbeil, UT Austin)
Total funding: \$899,769 (UT sub-award: \$432,259)
Duration: Jul. 1, 2019 – June. 30, 2022

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

Institute of Education Sciences, Technology for Special Education Program

Status: In progress

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

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

Duration: Sep. 1, 2018 – Aug. 31, 2020

Evaluating the Transition to College Mathematics Course in Texas High Schools

Greater Texas Foundation, Greater Texas Foundation Faculty Fellows program

Status: In progress

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*)

Pustejovsky, J. E., Swan, D. M., & English, K. E. (2019). An examination of measurement procedures and characteristics of baseline outcome data in single-case research. *Behavior Modification*, forthcoming. <https://doi.org/10.1177/0145445519864264>

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 and survivors: A meta-analysis of randomized controlled trials. *Psycho-Oncology*, forthcoming. <https://doi.org/10.1002/pon.5148>

Wahman, C. L., **Pustejovsky, J. E.,** Ostrosky, M. M., & Santos, R. M. (2019). 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*, forthcoming. <https://doi.org/10.1177/0271121419855692>

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*, forthcoming. <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>

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>

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>

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>

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>

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>

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>

Odom, S. L., Barton, E. E., Reichow, B., Swaminathan, H., & **Pustejovsky, J. E.** (2018). Between-case standardized effect size analysis of single case design: Examination of the two methods. *Research in Developmental Disabilities*, 79, 88-96.
<https://doi.org/10.1016/j.ridd.2018.05.009>

Zimmerman, K. N., Ledford, J. R., Severini, K. E., **Pustejovsky, J. E.**, Barton, E. E., & Lloyd, B. P. (2018). Single-case synthesis tools I: Evaluating the quality and rigor of research on antecedent sensory-based interventions. *Research in Developmental Disabilities*, 79, 19-32.
<https://doi.org/10.1016/j.ridd.2018.02.003>

Zimmerman, K. N., **Pustejovsky, J. E.**, Ledford, J. R., Barton, E. E., Severini, K. E., & Lloyd, B. P. (2018). Single-case synthesis tools II: Comparing overlap measures and parametric effect sizes for synthesizing antecedent sensory-based interventions. *Research in Developmental Disabilities*, 79, 65-76. <https://doi.org/10.1016/j.ridd.2018.02.001>

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>

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

Maggin, D. M., **Pustejovsky, J. E.**, & Johnson, A. H. (2017). A meta-analysis of school-based group contingency interventions for students with challenging behavior: An update. *Remedial and Special Education*, 38(6), 353-370.

<https://doi.org/10.1177/0741932517716900>

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. E. (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 examine 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 and validity implications. *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>

Pustejovsky, J. E., Hedges, L. V., and Shadish, W. R. (2014). Design-comparable effect sizes in multiple baseline designs: A general modeling framework. *Journal of Educational and Behavioral Statistics*, 39 (5), 368-393. <https://doi.org/10.3102/1076998614547577>

Shadish, W. R., Hedges, L. V., **Pustejovsky, J. E.**, Boyajian, J. G., Sullivan, K. J., Andrade, A., & Barrientos J. (2014). A *d*-statistic for single-case designs that is equivalent to the usual between-groups *d*-statistic. *Neuropsychological Rehabilitation: An International Journal*, 24 (3-4), 528-553. <https://doi.org/10.1080/09602011.2013.819021>

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>

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, 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. <http://www.math.vcu.edu/g1/journal/IssuesOnline.html#11>

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. (2008). Taking a distributed perspective in studying school leadership and management: The challenge of study operations. Chp. 3 in A. Harris (ed.), *Distributed Leadership: Different Perspectives*. Dordrecht, DE: Springer, 47-80.

DISCUSSION PAPERS, LETTERS, AND OTHER PUBLISHED WORK

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 scdhlms web application. Oslo, Norway: The Campbell Collaboration.
<https://campbellcollaboration.org/library/effect-sizes-single-case-designs-campbell-discussion-paper-1.html>

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

Swan, D. M., **Pustejovsky, J. E.**, & Beretvas, S. N. (2019). The impact of response-guided designs on count outcomes in single-case experimental design baselines.
<https://osf.io/zjng8/>

Ledford, J. R., & **Pustejovsky, J. E.** (2019). Systematic review and meta-analysis of stay-play-talk interventions for improving social behaviors of young children. <https://osf.io/u7cph/>

Salsman, J.M., **Pustejovsky, J.E.**, Schueller, S.M., Hernandez, R., Berendsen, M., Steffen, L.E. & Moskowitz, J.T. (2018). Psychosocial interventions for cancer patients and survivors: A meta-analysis of effects on positive affect.

SOFTWARE

Pustejovsky, J. E. & Swan, D. M. (2018). *SingleCaseES: A calculator for single-case effect size indices* (R package version 0.4). URL: <https://CRAN.R-project.org/package=SingleCaseES>

Pustejovsky, J. E. (2016). *scdhlms: Estimating hierarchical linear models for single-case designs* (R package version 0.3). URL: <https://CRAN.R-project.org/package=scdhlms>

Pustejovsky, J. E. (2016). *clubSandwich: Cluster-robust (sandwich) variance estimators with small-sample corrections* (R package version 0.2.1).
URL: <https://CRAN.R-project.org/package=clubSandwich>

Pustejovsky, J. E. (2015). *ARPobservation: Simulating recording procedures for direct observation of behavior* (R package version 1.1).
URL: <https://CRAN.R-project.org/package=ARPobservation>

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>

CONFERENCE PRESENTATIONS (*italics indicate student author*)

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.

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. (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.

Moskowitz, J.T., **Pustejovsky, J.E.,** Hernandez, R., Schueller, S.M., Berendsen, M. & Salsman, J.M. (2017). Don't worry, be happy? Meta-analysis of intervention trials on positive affect in cancer patients and survivors. In J.M. Salsman (Chair), Promoting psychological well-being in cancer patients and survivors: Meta-analyses of randomized clinical trials. *Annals of Behavioral Medicine*, 51 (Suppl.), S1624.

Park, C.L., **Pustejovsky, J.E.,** Trevino, K., Sherman, A., Esposito, C., Berendsen, M., & Salsman, J.M. (2017). Do psychosocial interventions with cancer patients and survivors increase meaning and purpose? A meta-analytic approach. In J. M. Salsman (Chair), Promoting psychological well-being in cancer patients and survivors: Meta-analyses of randomized clinical trials. *Annals of Behavioral Medicine*, 51 (Suppl.), S1625.

Merluzzi, T.V., **Pustejovsky, J.E.,** Philip, E.J., Berendsen, M., Heitzmann Ruhl, C.A., & Salsman, J.M. (2017). A meta-analytic review of interventions to enhance self-efficacy behaviors in cancer patients and survivors. In J. M. Salsman (Chair), Promoting psychological well-being in cancer patients and survivors: Meta-analyses of randomized clinical trials. *Annals of Behavioral Medicine*, 51 (Suppl.), S1626.

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.

Salsman, J. M., Munoz, A. R., **Pustejovsky, J. E.**, Jim, H. S., Park, C. L., Danhauer, S. C., Sherman, A. S., George, L., Merluzzi, T. V., & Fitchett, G. (2014). A meta-analytic approach to examine the relationship between religion/spirituality and mental health in cancer. Presentation at the Annual Conference of the Society for Behavioral Medicine, April 24, 2014 in Philadelphia, PA.

Jim, H. S., Merluzzi, T. V., Danhauer, S. C., **Pustejovsky, J. E.**, Munoz, A. R., Fitchett, G., Park, C. L., Sherman, A. S., George, L., & Salsman, J. M. (2014). A meta-analysis of the relationship between religion/spirituality and physical health in cancer survivors. Presentation at the Annual Conference of the Society for Behavioral Medicine, April 24, 2014 in Philadelphia, PA.

Merluzzi, T. V., Sherman, A. S., Park, C. L., George, L., Fitchett, G., Jim, H. S., Munoz, A. R., **Pustejovsky, J. E.**, Danhauer, S. C., & Salsman, J. M. (2014). A meta-analytic review of religion/spirituality and social QOL among cancer patients. Presentation at the Annual Conference of the Society for Behavioral Medicine, April 24, 2014 in Philadelphia, PA.

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. (2009). Question-order effects in social network name generators. Poster presented at the 28th annual International Sunbelt Social Network Conference, January 22-28, 2008, in St. Petersburg Beach, Florida.

INVITED PRESENTATIONS

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

Doctoral dissertation supervision:

- Gleb Furman (current, Quantitative Methods)
- Christopher R. Runyon (current, Quantitative Methods)
- Daniel M. Swan (current, Quantitative Methods)

Doctoral dissertation committee:

- Christy R. Austin (current, Special Education)
- Kejin Lee (current, Quantitative Methods)
- Michael J. Balsan (2019, Counseling Psychology)
- Abigail Mitchell (2019, School Psychology)
- Miranda Nadeau (2018, Counseling Psychology)
- Man Yang (2018, Special Education)
- Erica Wendel (2018, Human Development, Culture, and Learning Sciences)
- Sophia Yang Hooper (2018, Human Development, Culture, and Learning Sciences)
- Sunyoung Park (2018, Quantitative Methods)
- David Osman (2017, Human Development, Culture, and Learning Sciences)
- Meaghann Wheelis (2017, Quantitative Methods)
- Kelly Banneyer (2016, School Psychology)

Doctoral qualifying process supervision:

- Melissa Rodgers (2018, Quantitative Methods)
- Gleb Furman (2017, Quantitative Methods)
- Daniel M. Swan (2016, Quantitative Methods)

Masters thesis supervision:

- Michael J. Balsan (2017, Program Evaluation)
- Weiwei Xu (2014, Statistics)

SERVICE

- Program co-chair, AERA Special Interest Group on Systematic Reviews and Meta-Analysis (2019).

Teaching:

- 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).
- 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 ad hoc grant review (2019).

Editorial boards:

- Psychological Bulletin (2015 – present)
- Topics in Early Childhood Special Education (2016 – present)

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