James E. Pustejovsky

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University of Wisconsin–Madison  
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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**

2023 [Frederick Mosteller Award for Distinctive Contributions to Systematic Reviewing](https://www.campbellcollaboration.org/news-and-events/awards/frederick-mosteller-award.html)   
The Campbell Collaboration

2021 [Early Career Award](http://www.srsm.org/awards.html)  
Society for Research Synthesis Methodology

2016-present *Member*, [Society for Research Synthesis Methodology](http://www.srsm.org/)

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, 2024

*Improving the Accessibility of Effect Size and Synthesis Methods for Single-Case Research* (R324U190002)  
Institute of Education Sciences, Unsolicited Grant Opportunity   
Status: In progress  
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: In progress  
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)*

**BOOK CHAPTERS**

**DISCUSSION PAPERS, LETTERS, AND OTHER PUBLISHED WORK**

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> .

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**

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

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.

*Grekov, P.*, & **Pustejovsky, J. E.** (2023). Flexible distributional models for reading fluency outcomes from single-case designs: An examination using Bayesian methods.

**SOFTWARE**

**CONFERENCE PRESENTATIONS** *(italics indicate student author)*

**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).

*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.**, & *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.

*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.

*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.

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.

**INVITED PRESENTATIONS**

**ADVISING**

*Doctoral dissertation supervision:*

* Man Chen (current, UW Madison, Quantitative Methods)
* Bethany Hamilton (current, UT Austin, Quantitative Methods, co-supervised with Tasha Beretvas)
* Melissa Rodgers (current, UT Austin, Quantitative Methods, co-supervised with Tasha Beretvas)
* 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:*

* Jessica Kim (current, UW Madison, School Psychology)
* Xining Liao (current, UW Madison, School of Journalism and Mass Communication)
* 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)

*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:*

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

**SERVICE**

*Leadership:*

* AERA Special Interest Group on Systematic Reviews and Meta-Analysis
  + Chair (2021-present)
  + 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).
* 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