DANIEL M. SWAN

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EDUCATION

Ph.D., Educational Psychology – Quantitative Methods   **2019**
University of Texas at Austin, Austin, TX

M.Ed., Educational Psychology – Quantitative Methods   **2014**
University of Texas at Austin, Austin, TX

M. S., Psychological Sciences   **2010**
University of Texas at Dallas, Richardson, TX

B.S., Psychology   **2008**
University of Texas at Dallas, Richardson, TX

PROFESSIONAL EXPERIENCE

Pro-tem Research Assistant for Prevention Science Institute   **2018-Present**
University of Oregon

- Produce training materials for evidence reviewer trainings
- Provide support to the development and presentation of WWC Technical Assistance Webinars
- Facilitate and participate in the statistics and methodology groups devoted to refining and revising the WWC's *Standards* and *Procedures* handbooks

Data analyst with the Meadows Center for Preventing Educational Risk   **Spring 2018**
University of Texas at Austin

- Analyze extant datasets for novel methodological problems.
- Apply advanced methods such as latent growth modeling, path analysis, and multidimensional IRT models.
- Prepare technical documentation and interpret statistical models for both technical and non-technical audiences.

Statistical Consultant for the College of Education   **2015-2018**
University of Texas at Austin

Provide methodological guidance to graduate students on research design, power and statistical analysis, statistical programming, and interpretation of results.

Assist students in retrieval of datasets from a variety of sources and import them into appropriate statistical software.

Develop and lead workshops on relevant topics such as power analysis and programming in R to students, faculty, and staff at the University of Texas at Austin.

Graduate Research Assistant with Dr. Pustejovsky,   **2014-2018**
University of Texas at Austin, Department of Educational Psychology, Quantitative Methods
- Collaborate on drafting manuscripts for publication in peer-reviewed methodological research journals.
- Design and run Monte Carlo Simulations.
- Assist in maintenance of a large Access database of single-case data from multiple synthetic reviews, including using SQL queries to read and write data.
- Screen and code studies for synthetic review.
- Program novel statistical methods in R and collaborate on package development to make them available to researchers.

Teaching Assistant   **2012-2017**
University of Texas at Austin
Topics include:
- Introductory Statistics including levels of measurement, introductory probability, hypothesis testing, t-test, chi-square, tests of proportions, simple regression.
- Other statistical methods such as ANOVA, ANCOVA/ATI, multiple regression, SEM (e.g. path analysis, CFA, multiple group models, invariance models, and latent growth modeling), generalized linear models (e.g. logistic regression, Poisson regression).
- Use of software packages including SPSS, MPLUS, and R, especially advanced programming in R.
- Quantitative research design.

REFEREED JOURNAL ARTICLES

Pustejovsky, James E., **Swan, Daniel M.**, & English, Kyle E. (2019). An examination of measurement procedures and characteristics of baseline outcome data in single-case research. Behavior Modification, forthcoming. https://psyarxiv.com/dv9jg

Swan, Daniel M., & Pustejovsky, James E. (2018). A gradual effects model for single-case designs. *Multivariate Behavioral Research.* 53:4, 574-593 DOI:10.1080/00273171.2018.1466681

Pustejovsky, James E. & **Swan, Daniel M.** (2015). Four methods of analyzing partial interval recording data, with application to single-case research. *Multivariate Behavioral Research*, 50 (3), 365-380. DOI: 10.1080/00273171.2015.101487

UNDER SUBMISSION/REVISION
Swan, Daniel M., Pustejovsky**,** James E., & Beretvas, Susan N. (2019). The impact of response-guided designs on count outcomes in single-case experimental design baselines.

https://osf.io/zjng8/

CONFERENCE PRESENTATIONS

Pustejovsky, James E., **Swan, Daniel M.**, & English, Kyle 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, Daniel M., Pustejovsky, James 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.

Swan, Daniel M., & Pustejovsky, James 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.

Swan, Daniel M., & Pustejovsky, James E. An intervention analysis model for single case design research. Poster presented at the American Educational Research Association annual convention, Division D Graduate Student Research in Progress Gala, April 11th, 2016 in Washington, DC.

Bunuan, Rommel, **Swan, Daniel M.,** & Beretvas, S. Natasha. Handling Methodological Issues in the Analysis of Single-Subject Experimental Design Data. Poster presented at the American Educational Research Association annual convention, April 4, 2014 in Philadelphia, PA.

Pustejovsky, James E. & **Swan, Daniel M.** 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.

Swan, Daniel M.. A moment estimator for partial interval recording data: Simulation design and results. Presented at the Texas Universities Educational Statistics and Psychometrics Meeting, March 21, 2014 at Texas A&M University.

SOFTWARE

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

SERVICE
Ad-hoc reviews for:
- Journal of Behavioral Education
- Multivariate Behavioral Research

Graduate Studies Committee, student representative (2015-2016)

GRANTS AND FELLOWSHIPS

University of Texas at Austin Graduate School Dissertation Writing Fellowship	**Spring 2019**
Teresa Lozano Long Endowed Graduate Fellowship	**2017-2018**
Teresa Lozano Long Endowed Graduate Fellowship	**2016-2017**
Bascombe Royall and Frances Fallon Fuller Scholarship	**2015-2016**
Graduate School Recruitment Fellowship	**2014-2015**
Texas New Scholar Award for Master's Students	**2013-2014**
Texas New Scholar Award for Master's Students	**2012-2013**