

# Sarah E Schwartz

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*Research Assistant Professor*

*I am a statistician with a passion for facilitating research  
that is appropriate, transparent, and reproducible.*

## Academic Appointment

- 2015-present **Assistant Research Professor**, *Psychology Department, College of Education and Human Services*, Utah State University.
  - Director, The Statistical Consulting Studio
  - Instructor, graduate student quantitative methods and statistics courses
- 2013-2015 **Statistician**, *Office of Research Services, College of Education and Human Services*, Utah State University.
  - Acting Director, Office of Methodological and Data Sciences
  - Instructor, graduate student quantitative methods and statistics courses
- 2005-2013 **Statistician and Data Manager**, *Center for Epidemiology*, Utah State University.
  - Managed databases, clean data, and prepare custom datasets
  - Performed statistical analyses and prepared publications, posters, presentations, and grant submissions
  - Worked under three main grants and many co-investigators: University of Utah, BYU, Duke, John Hopkins, University of Maryland, ect.
- 2012 **Data Manager**, *Kenoi Genetics Lab*, Brigham Young University.
  - Managed databases and prepare custom datasets
- 2006-2008 **Adjunct Lecturer**, *Mathematics and Statistics Department*, Utah State University.
  - Traditional, evening, and distance courses
- 2000-2004 **High School Teacher, Math and Science**, *Mathematics and Statistics Department*, Utah State University.
  - Sky View High School, Smithfield, Utah
  - Logan River Academy, Logan, Utah

## Certificates

- 2001-2009 **Teaching License**, *Secondary Education*, State of Utah.
  - Endorsements: mathematics level 4 and chemistry

Utah State University

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## Education

- 2013-2017 **PhD: Mathetatics, Specialization in Statistics**, *Utah State University*, Logan, Utah, USA.  
○ TA: Lecturer and grader  
○ RA: Simulation programmer, Cytel Software Inc.
- 2004-2006 **MS: Statistics**, *Utah State University*, Logan, Utah, USA.  
○ Mentor: Dr. Chris Corcoran  
○ TA: Lecturer and grader  
○ RA: Statistician, Center for Epidemiology Studies
- 1998-2000 **BS: Math and Chem Secondary Education**, *Utah State University*, Logan, Utah, USA.  
○ Student Teaching: Sky View High School, Smithfield, Utah

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## Awards and Honors

- 2015 **Department Academic Excellence Award**, *Mathematics and Statistics Department*, Utah State University.
- 2014 **Department Industrious Graduate Student Award**, *Mathematics and Statistics Department*, Utah State University.
- 2005 **Department Graduate Student Teacher of the Year Award**, *Mathematics and Statistics Department*, Utah State University.

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## Administrative

- 2018-present **CEHS Office of Research**, *EDUC 6600 Pre-Test Coordinator*, Utah State University.  
○ Update pre-test question bank  
○ Moderate Student communication and answer questions.  
○ Setup remote test taking with advent of Covid-19 shift to online.  
○ Create and monitor refresher materials for test-prep  
○ Monitor suspicious behavior and check for cheating  
○ Interface with all CEHS departments on the expectations and timeline.

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## Software

### **R, R Studio, and R Markdown (LaTeX).**

- Data cleaning and wrangling, statistical analysis, and reproducible reporting

### **SAS, SPSS, MPlus, and G\*Power.**

- Data cleaning and wrangling, and statistical analysis

### **REDCap and Qualtrics.**

- Creating forms and collecting data

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## R Packages on GitHub

1. **Schwartz, S. E.** (2024). *apaSupp: Prepare supplemental material documents for publications*. <https://github.com/sarbearschwartz/apaSupp>. R package version 0.0.0.9000.
2. Barrett, T. S., & **Schwartz, S. E.** (2021). *dissertateUSU: Materials for writing a dissertation at utah state university in r markdown*. <https://github.com/TysonStanley/dissertateUSU>. R package version 0.3.0.
3. **Schwartz, S. E.** (2021). *Texreghelpr: Extract generalized regression output for use in 'texreg' tables*. <https://github.com/sarbearschwartz/texreghelpr>. R package version 0.1.0.

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## Continuing Education

- Summer 2016 **Structural Equation Modeling in Longitudinal Research, APA Advanced Training Institutes (ATIs)**, Arizonal State University.
- This ATI is designed to highlight recent methodological advances in the analysis of longitudinal psychological data using structural equation modeling (SEM).
  - The workshop covers a range of topics, including growth models, factorial invariance, incomplete data, ordinal outcomes, and latent change score models.
  - Instructors: Dr. Craig Enders , Department of Psychology at The University of California, Los Angeles, Dr. Kevin J. Grimm of the Department of Psychology at Arizona State University, and Dr. Nilam Ram of the Departments of Psychology and Communications at Stanford University.
- Fall Semester 2019 **PSY 7810: Structural Equation Modeling, Audit graduate course**, Utah State University.
- Objective 1) understanding the motivation, logic, and inner workings of SEM
  - Objective 2) be able to specify models and fit them to data using conventional statistical software
  - Objective 3) have the ability to interpret and report results in a manner consistent with the standards of peer-reviewed journals
  - Instructor: Dr. Sarfraz Serang
- August 17, 2021 **The Probability Problem: Building Probability Skills in Intro Statistics, Workshop/Seminar**, Hawkes Learning.
- Focus: struggles that undergraduate students (non-STEM majors) tend to face with probability in their introductory statistics course.
  - Instructional principle implemented: worked-out problems including writing prompts to encourage self-explanation of students thinking through studying the worked-out examples
  - Instructor: KimberLeigh Hadfield, Senior Lecturer USU Math and Statistics Department
- October 26, 2021 **A New Normal in Inclusive, Usable Online Learning Experiences, Workshop/Seminar**, Utah State University.
- Office of Empowering Teaching Excellence (ETE)
  - Thurston, T. N., Lundstrom, K., González, C., Stommel, J., Masland, L. C., Buyserie, B., ... & Eason, A. (2021). Resilient Pedagogy: Practical Teaching Strategies to Overcome Distance, Disruption, and Distraction.
  - Presenters/authors: Christopher Phillips and Jared Colton

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## Teaching Experience: Graduate Level

- Fall: **Psychology Department**, *PSY 7650: Multilevel and Marginal Models*, Utah State University.
- 2016-present
- Coverage of multilevel (ie, mixed-effects, hierarchical linear) and marginal (ie, GEE) models for both continuous and categorical outcomes.
  - Includes application of these methods to many types of cross-sectional and longitudinal research designs (eg, experimental, case-control, cohort, cross-over, complex sample, randomized controlled trials).
  - Software: R and R Studio
  - Online eBook: all class examples with code and explanations
  - Youtube: Pre-recorded lectures for course when Covid-19 induced a shift to online, asynchronous learning
- Spring/Sum  
2015-present
- CEHS: Office of Research Services**, *EDUC 6600: Statistical Foundataions (previously: Research Design and Analysis I)*, Utah State University.
- Research design and statistical concepts for research in education, human services, and psychology, with emphasis on the selection and interpretation of statistical analyses.
  - Focus on inference and ANOVA based methods. Includes a combination of traditional face-to-face and distance-site students.
  - Software: R and R Studio starting in 2018, SPSS prior
  - Online eBook: all class examples with code and explanations
  - Assignments online through Atomic Assessment within Canvas
  - Youtube: Pre-recorded lectures for course when Covid-19 induced a shift to online, asynchronous learning

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## Teaching Experience: Undergraduate Level

- Spring 2022 **Psychology Department**, *PSY 3010: Psychological Statistics*, Utah State University.
- Descriptive and inferential statistical methods.
  - Focus on behavior statistics and statistical applications.
- Spring/Fall:  
2005, 2014
- Mathematics and Statistics Department**, *STAT 2000: Statistical Methods*, Utah State University.
- Introduction to statistical concepts, graphical techniques, probability, distributions, estimation, one and two sample testing, chi-square tests, and simple linear regression, one-way ANOVA.
  - Software: StatCrunch
- 2008 Spring,  
2007
- Mathematics and Statistics Department**, *STAT 1040: Introduction to Statistics*, Utah State University.
- Spring/Fall,  
2006 Fall
- Descriptive and inferential statistical methods.
  - Emphasis on conceptual understanding and statistical thinking.
  - Examples presented from many different areas.
  - Software: none

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Fall 2004 **Mathematics and Statistics Department**, *MATH 1050: College Algebra*, Utah State University.

- Functions: graphs, transformations, combinations, and inverses.
- Polynomial, rational, exponential, logarithmic functions, and applications.
- Systems of equations and matrices. Partial fractions.
- Software: graphing calculators

Summer 2006 **Mathematics and Statistics Department**, *MATH 1010: Intermediate Algebra*, Utah State University.

- Review of introductory algebra concepts.
- Topics include manipulating and simplifying expressions, solving equations and inequalities, graphing equations, and inequalities.
- Real world applications including linear, quadratic, polynomial, rational, exponential, and radical functions.
- Software: none

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## Teaching Experience: College-wide Workshops

All sessions target the audience of faculty, research staff, and graduate students in the college. Starting in the Fall of 2019, the workshops were formalized to all enrollment for continuing education (1 CEU) or standard university credit (0.5 cr), in addition to the previous a la carte option.

Fall 2024 **Intro to Using R for Research**, *Seven 1-hour sessions*, Utah State University.

- Managing and reshaping data
- Quickly creating descriptive tables
- Exploratory and advanced plotting
- Transparent quantitative modeling
- Creating supplemental materials

Spring 2022 **Time-to-Event Analysis, aka Survival Analysis**, *Seven 1-hour sessions*, Utah State University.

- Inferior Models: You must make a choice - censoring and duration of follow-up
- Non-parametric approach: Kaplan Meyer Plots with Log Rank Test (bivariate)
- Semi-parametric approach: Cox Proportional-Hazards Regression (multivariate)
- Extension: Time varying covariates in a Cox model

Fall 2021 **Categorical Data Analysis**, *Seven 1-hour sessions*, Utah State University.

- Exact, permutation/bootstrap, and parametric methods
- GLM: Binary logistic regression
- GLM: Count outcomes: poisson regression, overdispersion, and negative binomial regression
- GLM: Zero inflated models (ZIP and ZINB)

Spring 2021 **Missing Data and Multiple Imputations**, *Seven 1-hour sessions*, Utah State University.

- Missing Data Mechanisms, Implications and Testing
- Historical Methods and Reporting Missing Data
- Multiple Imputations: basic and advanced topics

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- Fall 2020 **Extensions to Regression**, *Seven 1-hour sessions*, Utah State University.
- Multiple Linear Regression Refresher
  - Powerful Publishable Plots: The Grammar of Graphics
  - Time-to-Event Modeling: Survival Analysis
  - Intro to Multilevel and Marginal Models: MLM, HLM, GEE
- Spring 2020 **Common Design Issues**, *Seven 1-hour sessions*, Utah State University.
- Effect Size and Power Analysis using G\*Power and R
  - Propensity Score Matching and Alternatives
  - Missing Data and Multiple Imputations
- Fall 2019 **Extensions to Regression**, *Seven 1-hour sessions*, Utah State University.
- Review of Regression (MLR and GLM), including creating tables and figures for publication
  - Time-to-event/Survival Analysis: including KM plots with Log-Rank test (bivariate), Cox-PH Regression (multivariate)
  - Regularized Regression (Ridge and LASSO)
  - Intro to Multilevel and Marginal Models: MLM, HLM, GEE
- 2015-2020 **Quantitative Methods: Stand-alone Sessions**, *Two-three hour workshop*, Utah State University.
- Effect Size and Power Analysis using G\*Power (fall 2015, fall 2017, fall 2018)
  - Exact Methods for Categorical Data in SPSS, R, and StatXact (spring 2018)
  - Exploring your Data with ggplot in R (spring 2016)
  - GEE: General Estimating Equations (spring 2017)
  - Intro to Multilevel and Marginal Models: MLM, HLM, GEE (spring 2018, spring 2019)
  - Intro to R and Rstudio for Absolute Beginners (fall 2015)
  - Intro to R: The Tidyverse (fall 2016)
  - Logistic Regression (fall 2017)
  - Missing Data and Multiple Imputations (fall 2018)
  - Multiple Linear Regression Refresher in SPSS and R (spring 2018)
  - Powerful Publishable Plots: The Grammar of Graphics (spring 2016, fall 2018)
  - Random Forests: Classification and Regression Trees (spring and fall 2017, spring 2019)
  - Reproducible Workflow: Intro to SPSS via syntax (spring 2018)
  - Time-to-Event Modeling: Survival Analysis with SPSS and R (spring 2018, spring 2019)

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## Talks

- Feb 2024 **Food for Thought Speaker Series, *Instructional Technology and Learning Sciences Department***, USU - College of Education and Human Services.  
○ Invited by: Hillary Swanson  
○ Topic: USU-CEHS quantitative methods course offerings and the CARMA certificate
- April 2022 **Internal Training, *Institutional Review Board***, Utah State University.  
○ Invited by:  
○ Topic: Power and Sample Size Considerations in Human Subjects Research
- April 2021 **Guest lecturer: HDFS 7200: Meta Analysis, *Human Development and Family Studies Department***, USU - College of Education and Human Services.  
○ Invited by Dr. Diana Meter, instructor of the course  
○ Topic: Meta-analysis for single subject design studies
- Sept 2020 **Brown Bag Series: Meta-analysis, *Office of Research Services***, USU - College of Education and Human Services.  
○ Invited by Dr. Shawn Whiteman, CEHS Associate Dean for Research  
○ Topic: Meta-analysis for single subject design studies
- Nov 2019 **Guest presenter, College-wide Seminar, *Office of Research Seminar***, USU - College of Agriculture and Applied Sciences.  
○ Invited by Dr. Abby Benninghoff to present to all college faculty.  
○ Topic: Powerful Publishable Plots, Best strategies for data visualization  
○ Also covered: Creating plots that reveal your data and communicate complex ideas with clarity and precision.
- Jan 2019 **Seminar: Data Analytics Student Seminar Series, *Math and Stat Department***, USU - College of Science.  
○ Invited by the chapter president to present to the student group.  
○ Topic: What should I git? Getting started with Git and GitHub  
○ Also covered using the GitKracken interface for version control and collaborative research.

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## Grants: Funded

- 2024-2028 **NIH: R01**, *Treating Complex Syntax in Children with DLD*, Partnership with Ohio University and University of Arizona.  
○ PI: Ron Gillam  
○ Roll: statistician  
○ Amount \$2,500,000 (\$1,266,865 USU)
- 2023-2024 **USU: ADRC**, *Cataloguing Cache County memory study Biological Samples*, Alzheimer's and Dementia Research Center.  
○ PI: JoAnn Tschanz  
○ Roll: statistician  
○ Amount: \$62,184
- 2022-2023 **USU: Research Catalyst**, *Predicting the Transition from Acute to a Chronic, Debilitating Tinnitus*, Internal Seed Grant.  
○ PI: Maria Kleinstaeuber  
○ co-PI Karen Munoz, Karl White  
○ Roll: support
- 2019 - 2022 **NSF: STEM**, *Research on the Development of An Assessment to Measure Kindergarten Children's Abilities to Reason Computationally With Mathematical Problem-Solving Skills*, Program: STEM + Computing (STEM+C) Part.  
○ PI: Jody Clarke Midura  
○ Co-PI: Victor Raymond Lee, Jessica Shumway  
○ Amount: \$1,120,807
- 2008 - 2011 **NIH: R01**, *Lifespan Stressors and Alzheimers Disease: The Cache County Study*, Extended multiple times - DUNS ID: 072983455 (original).  
○ PIs: Maria Norton, Joann Tschanz  
○ Roll: data management and analysis  
○ Amount: \$970,549 (original)
- 2002 - 2013 **NIH: R01**, *Progression of Dementia, A Population Study*, Extended multiple times - DUNS ID: 072983455 (original).  
○ PIs: Joann Tschanz, Constantine G. Lyketsos  
○ Roll: data management and analysis  
○ Amount: \$2,787,792 (original)
- 2000 - 2005 **NIH: R01**, *Cache County Family-based Cohort Study on Aging*, Extended multiple times.  
○ PIs: John Breitner, Kathy Welch-Bohmer  
○ Roll: data management and analysis  
○ Amount \$1,999,400(original)

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## Grants: Recently Submitted

- October 2024 **NIH: R21**, *Developing a Tool to Measure Behavior Intervention Complexity*, New submission.  
○ PI: Katie Brown  
○ Roll: co-investigator  
○ Amount: \$274,999 (2 years)
- October 2024 **NIH: R01**, *Efficacy of the Level-Up Classroom Design Intervention for Physical Activity Promotion in Preschool-Aged Children*, New submission.  
○ PI: Kim Clevenger  
○ Co-Is: Keith Christensen, Sarah Schwartz, Karin Pfeiffer, Tyler Prochnmow  
○ Roll: co-investigator  
○ Amount: \$2,317,584 (5 years)
- July 2024 **NIH: R21**, *Feasibility of Kundalini yoga in managing the cognitive decline in long-term care residents with mild cognitive impairment*, New submission.  
○ PI: Kollol Bhattacharyya  
○ co-I: JoAnn Tschanz  
○ Roll: statistician
- July 2024 **NIH: R21**, *Aquatic Exercise for Improving Gait and Cognition in Older Adults*, New submission.  
○ PI: Talin Louder  
○ co-Is: Chris Dakin, Shannon Pynn  
○ Roll: statistician
- July 2024 **NIH: R01**, *Response Inhibition in Reactive Balance Control*, Resubmission, multiple iterations and submissions.  
○ PI: Dave Bolton  
○ co-PIs: JoAnn Tschanz, Chris Warren  
○ Roll: co-investigator  
○ Amount \$2,445,008 (4 years)
- July 2023 **NIH R21**, *Pavlovian Approaches to Promoting Self-control*, Resubmission (original was prior to my involvement).  
○ PI: Greg Madden  
○ Roll: statistician  
○ Amount \$393,284

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## Grants: Currently Drafting or Revising

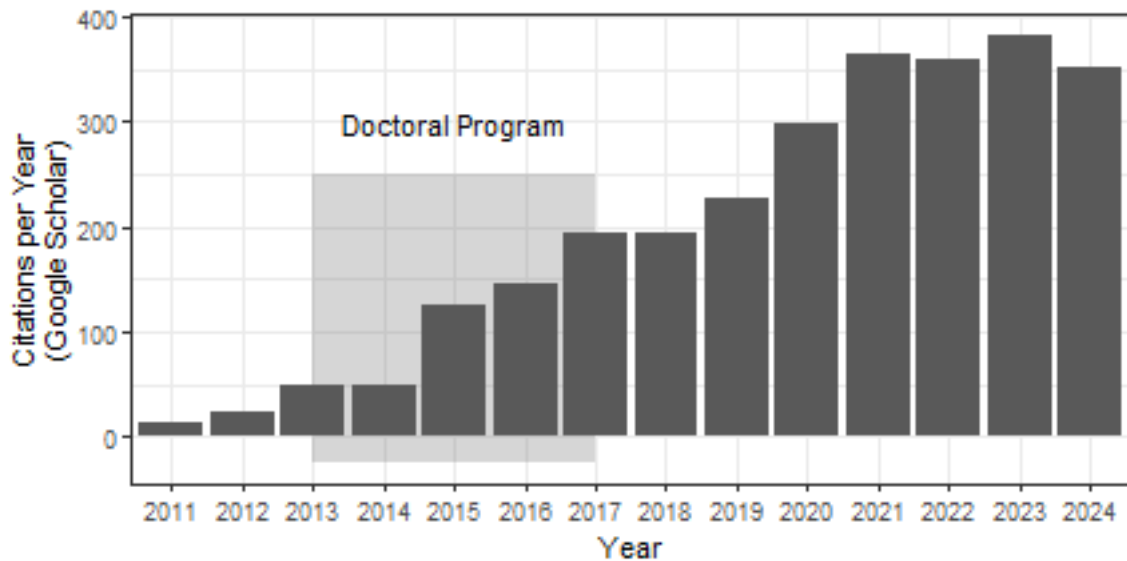
- February 2025 **NIH: U01/R01**, *Alzheimer's Disease in Native Hawaiians and Pacific Islanders: Sample Acquisition and Whole Genome Sequencing*, Sub-award to BYU, lead: Perry Ridge.
- PI: JoAnn Tschanz
  - Roll: statistician
  - Amount: \$2,641,126 (4 years)
- June 2024 **NIH R03**, *Toward a better understanding of medically unexplained chronic fatigue in older adults: A multiple observations and measurements pilot study*, Original submissions: June 2023, Jun 2024.
- PI: Brennan Thompson
  - co-Is: Dave Bolton, Kim Clevenger
  - Roll: statistician
  - Amount \$146,000
  - Currently preparing resubmission
- Feb 2025 **NIH: R21**, *Parental Microprotections in Black Families: Examining Links Among Racial Discrimination, Parenting, and Adolescent Psychosocial Adjustment*, Original submissions: June 2023, March 2024.
- PI: Aryn Dotterer
  - co-I: Olivenne Skinner
  - Roll: statistician
  - Amount: \$412,783
  - Currently preparing resubmission
- Feb 2025 **NIH: R01**, *Age-Related Decline in Markers of Norepinephrine Activity and Increased Risk of Falls in Older Adults*, Original submissions: March 2023, Feb 2024.
- PI: Chris Warren
  - co-PI's: Dave Bolton, JoAnn Tschanz
  - Roll: statistician
  - Amount: \$2,200,000
  - Currently preparing resubmission

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## Publications: Citations



## Publications: Working Papers under Revision or Review

1. Benallie, K. J., McClain, M. B., **Schwartz, S.**, Davis, G., & Lopez, A. (2024). The impact of autism and ADHD symptomology and cognitive functioning on executive functioning in autistic children. *Journal of Child Psychology and Psychiatry*, Under Review: 11-1-2024, Manuscript ID: JCPP-OAR-2024-01027.
2. Golson, M., Bera, J., Kim, J., Williams, S., Brunson McClain, M., **Schwartz, S. E.**, Harris, B., & Sullivan, A. (2024). Racial and gender bias in school psychologists' special education classification considerations. *Remedial and Special Education*, Under Review: 7-22-2024, Manuscript ID: RASE-24-03-0060.R1.
3. Golson, M., McClain, M. B., **Schwartz, S.**, Harris, B., & Gabrielsen, T. (2024). Measuring autism symptomology in boys and girls: Investigating measurement invariance of the autism spectrum rating scales across gender. *Psychology in the Schools*, Under Review: 10-23-2024, Manuscript ID: PITS-2024-1290.
4. Golson, M., McClain, M. B., **Schwartz, S.**, & Shahidullah, J. (2024). The roles of ADHD knowledge and stigma in predicting parent attitudes toward intervention. *Journal of Pediatric Psychology*, Under Review: 10-23-2024, Manuscript ID: JPEPSY-2024-0258.
5. Gonzalez, H., **Schwartz, S.**, Rattinger, G., Wengreen, H., Liu, Y., Buhusi, M., & Tschanz, J. (2024). Sex differences in gene-lifestyle interactions and sleep disturbance in the cache county study on memory and aging. *SLEEP*, Under Review: 11-1-2024, Manuscript ID: SLEEP-2024-1028.
6. Omisakin, O. A., Park, H., **Schwartz, S. E.**, Noll, J. G., Buxton, O. M., Lim, S., & Reither, E. N. (2024). Body mass trajectories from adolescence to adulthood in the united states: Effects of racial identification and adverse childhood experiences. *Journal of Research on Adolescence*, Under Review: 9-29-2024, Manuscript ID: 2024-144.R1.

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7. Snowden, A., Freeman, S. M., **Schwartz, S. E.**, Smith, A. L., & Goodman, M. M. (2024). Oxytocin and vasopressin 1a receptor alterations in the superior temporal sulcus and hypothalamus in schizophrenia corresponding. *Psychoneuroendocrinology*, *Under Review: 8-25-2024*, Manuscript ID: PNEC-D-24-00417.
8. Swanson, H., & **Schwartz, S. E.** (2024). Students' development of pattern conceptions and meta-theoretic competence through iterative cycles of the patterns game. *Science Education*, *Under Review: 5-6-2024*, Manuscript ID: SciEd-00239-2024.
9. Woolley, M., **Schwartz, S. E.**, Morrison, K. L., & Twohig, M. P. (2024). Dissemination trial of provider training of ACT-enhanced behavior therapy (a-EBT) for trichotillomania: A waitlist controlled study. *Behavior Therapy*, *Under Review: 10-7-2024*, Manuscript ID: BT-S-24-00276.

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## Publications: Refereed Journal Papers - 2024

1. Bhattacharyya, K. K., Gupta, D. D., **Schwartz, S.**, Molinari, V., & Fauth, E. B. (2024). Protective roles of meditation practice and self-esteem on cognitive functions over time: Findings from the midlife in the united states study. *Psychogeriatrics*, *24*(1), 94–107.
2. Dotterer, A. M., Ferguson, M., **Schwartz, S.**, & James, A. G. (2024). Parental micro-protections: Testing measurement equivalence in black, latinx, and white families. *Family Relations*, *73*(1), 578–594.
3. McClain, M. B., **Schwartz, S. E.**, Kieffer, K. E., Azad, G., & Shahidullah, J. D. (2024). A measure of attitudes toward interdisciplinary healthcare teams around pediatric autism care. *Health, Interprofessional Practice and Education*, *6*(1), 1–9. <https://doi.org/10.61406/hipe.281>
4. McClain, M. B., Yoho, S. E., Drill, R. B., Haverkamp, C. R., **Schwartz, S. E.**, Barker, B. A., Longhurst, D. N., & Upton, S. R. (2024). Reading skills and background noise in autistic and non-autistic children: A pilot study. *Contemporary School Psychology*, *28*(3), 283–295.
5. Snowden, A. W., **Schwartz, S. E.**, Smith, A. L., Goodman, M. M., & Freeman, S. M. (2024). Oxytocin and vasopressin 1a receptor alterations in the superior temporal sulcus and hypothalamus in schizophrenia. *bioRxiv*, 2024–2008.
6. Woolley, M. G., **Schwartz, S. E.**, Knudsen, F. M., Lensegrav-Benson, T., Quakenbush-Roberts, B., & Twohig, M. P. (2024). Thought-shape fusion in residential eating disorder treatment: Cognitive defusion as a mediator between thought-action fusion and treatment outcome. *Eating Behaviors*, *54*, 101909.

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## Publications: Refereed Journal Papers - 2023

1. Ferguson, M. M., Dotterer, A. M., **Schwartz, S. E.**, & Bradford, K. (2023). Parental sexual communication self-efficacy with toddlers and young children: An active learning intervention. *Sex Education*, *23*(1), 128–146.
2. Klimczak, K. S., **Schwartz, S. E.**, Donahue, M. L., Capel, L. K., Snow, J. L., & Levin, M. E. (2023). Disentangling trait and state psychological inflexibility: A longitudinal multilevel approach. *Journal of Contextual Behavioral Science*, *29*, 13–22. <https://doi.org/10.1016/j.jcbs.2023.05.006>
3. Matyi, J., Drewel, M., **Schwartz, S.**, Rattinger, G. B., Gonzalez Jr, H. L., DeBerard, S., Buhusi, M., Lyketsos, C. G., & Tschanz, J. T. (2023). Brain-derived neurotrophic factor genes are associated with neuropsychiatric symptom progression in dementia. The cache county dementia progression study. *Alzheimer's & Dementia*, *19*, e063220.
4. McClain, M. B., Golson, M. E., Haverkamp, C. R., Harris, B., Ficklin, E., **Schwartz, S. E.**, & Wynn, C. J. (2023). Caregiver perceptions of social communication and interaction: Development and validation of the SCIPS. *Journal of Autism and Developmental Disorders*, 1–8.
5. McClain, M. B., **Schwartz, S. E.**, Bera, J., Farmer, R. L., Serang, S., Harris, B., & Golson, M. E. (2023). Vineland-3 measurement non-invariance in children with and without intellectual and developmental disabilities. *American Journal on Intellectual and Developmental Disabilities*, *128*(4), 334–343.

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## Publications: Refereed Journal Papers - 2022

1. Fox, C., Jones, S., Gillam, S., Israelsen-Augenstein, M., **Schwartz, S. E.**, & Gillam, R. B. (n.d.). Automated progress-monitoring through literate language use in narrative assessment (LLUNA). *Frontiers in Psychology, Technology to the Rescue: Automating Language Sample Analyses for the Assessment and Treatment of Communication Disorders across the Life-span*, Manuscript Published: May 16, 2022.
2. Reuveni, N., Carlson, C., **Schwartz, S. E.**, Meter, D., Barrett, T., & Freeman, S. M. (n.d.). The antidepressant and anxiolytic effect of cannabinoids in chronic unpredictable stress: A preclinical systematic review and meta-analysis. *Research and Practice for Persons with Severe Disabilities, Under Review: 8-9-2021*, Reference Number: 2021TP001023.
3. Ferguson, M. M., Dotterer, A. M., **Schwartz, S. E.**, & Bradford, K. (2022). Parental sexual communication self-efficacy with toddlers and young children: An active learning intervention. *Sex Education, 0(0)*, 1–19. <https://doi.org/10.1080/14681811.2022.2034612>
4. Golson, M. E., Benallie, K. J., Benney, C. M., **Schwartz, S. E.**, McClain, M. B., & Harris, B. (2022). Current state of autism knowledge in the general population of the united states. *Research in Autism Spectrum Disorders, 90*, 101886.
5. Golson, M. E., Haverkamp, C. R., McClain, M. B., **Schwartz, S. E.**, Ha, J., Harris, B., & Benallie, K. J. (2022). Influences of student race/ethnicity and gender on autism special education classification considerations. *Autism, 26(6)*, 1423–1435.
6. Vernon, E. K., Gonzalez Jr, H. L., **Schwartz, S.**, Rattinger, G. B., Drewel, M., Smith, K. R., DeBerard, S., Kauwe, J., Buhusi, M., & Tschanz, J. T. (2022). Sex differences in risk for alzheimer’s disease with extended maternal and paternal family history and vascular risk factors. The cache county study. *Alzheimer’s & Dementia, 18*, e062914.

## Publications: Refereed Journal Papers - 2021

1. Aller, T. B., Fauth, E. B., Novak, J. R., & **Schwartz, S. E.** (2021). Measuring mental health literacy: Development of the mental health awareness and advocacy assessment tool. *Journal of MultiDisciplinary Evaluation, 17(39)*, 15–31.
2. England, D., Ruddy, K. L., Dakin, C. J., **Schwartz, S. E.**, Butler, B., & Bolton, D. A. (2021). Relationship between speed of response inhibition and ability to suppress a step in midlife and older adults. *Brain Sciences, 11(5)*, 643.
3. Golson, M. E., Haverkamp, C. R., McClain, M. B., **Schwartz, S. E.**, Ha, J., Harris, B., & Benallie, K. J. (2021). Influences of student race/ethnicity and gender on autism special education classification considerations. *Autism, 136236132111050440*.
4. McClain, M. B., Harris, B., **Schwartz, S. E.**, & Golson, M. E. (2021). Brief report: Differential item and test functioning of the autism spectrum rating scales: A follow-up evaluation in a diverse, nonclinical sample. *Journal of Psychoeducational Assessment, 39(2)*, 247–257.
5. McClain, M. B., Haverkamp, C. R., Benallie, K. J., **Schwartz, S. E.**, & Simonsmeier, V. (2021). How effective are reading comprehension interventions for children with ASD? A meta-analysis of single-case design studies. *School Psychology, 36(2)*, 107.
6. Murray, J., Gonzalez, H. L., **Schwartz, S. E.**, Rattinger, G. B., Liu, Y., Hammond, A. G., Kauzor, K. E., Drewel, M., & Tschanz, J. T. (2021). Sleep disturbance and association

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with cognitive and functional trajectories in all cause dementia: The cache county dementia progression study. *Alzheimer's & Dementia*, 17, e054131.

7. Pitt, C., Muñoz, K., **Schwartz, S.**, & Kunz, J. M. (2021). The long-term stability of the electrical stapedial reflex threshold. *Otology & Neurotology*, 42(1), 188–196.
8. Wengreen, H. J., Joyner, D., Kimball, S. S., **Schwartz, S. E.**, & Madden, G. J. (2021). A randomized controlled trial evaluating the FIT game's efficacy in increasing fruit and vegetable consumption. *Nutrients*, 13(8), 2646.

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## Publications: Refereed Journal Papers - 2020

1. Benallie, K. J., McClain, M. B., Harris, B., & **Schwartz, S. E.** (2020). Validation of the ASKSG with a parent sample in the united states. *Journal of Autism and Developmental Disorders*, 50(12), 4557–4565.
2. Bringhurst, R. F., Wagner, D. R., & **Schwartz, S.** (2020). Wingate anaerobic test reliability on the velotron with ice hockey players. *The Journal of Strength & Conditioning Research*, 34(6), 1716–1722.
3. Buenabad, N. G. A., Ramos, R. S., **Schwartz, S.**, López, M. L. G., Juárez, A. D. D., Gallegos, A. B. O., Ortega, T. G. G., Pérez, L. V., Icaza, M. E. M.-M., Rodriguez, M. M. D., et al. (2020). Cluster randomized trial of a multicomponent school-based program in mexico to prevent behavioral problems and develop social skills in children. *Child & Youth Care Forum*, 49, 343–364.
4. Harris, B., McClain, M. B., **Schwartz, S.**, & Haverkamp, C. R. (2020). Knowledge of autism spectrum disorder among school psychology graduate students. *Contemporary School Psychology*, 1–9.
5. McClain, M. B., Harris, B., Haverkamp, C. R., Golson, M. E., & **Schwartz, S. E.** (2020). The ASKSP revised (ASKSP-r) as a measure of ASD knowledge for professional populations. *Journal of Autism and Developmental Disorders*, 50(3), 998–1006.
6. McClain, M. B., Harris, B., **Schwartz, S. E.**, & Golson, M. E. (2020). Evaluation of the autism spectrum rating scales in a diverse, nonclinical sample. *Journal of Psychoeducational Assessment*, 38(6), 740–752.
7. McClain, M. B., Shahidullah, J. D., Mezher, K. R., Haverkamp, C. R., Benallie, K. J., & **Schwartz, S. E.** (2020). School-clinic care coordination for youth with ASD: A national survey of school psychologists. *Journal of Autism and Developmental Disorders*, 50(9), 3081–3091.
8. Nagaraj, N. K., Magimairaj, B. M., & **Schwartz, S.** (2020). Auditory distraction in school-age children relative to individual differences in working memory capacity. *Attention, Perception, & Psychophysics*, 82, 3581–3593.
9. Torres, L., Reveles, A. K., Mata-Greve, F., **Schwartz, S.**, & Domenech Rodriguez, M. M. (2020). Reactions to witnessing ethnic microaggressions: An experimental study. *Journal of Social and Clinical Psychology*, 39(2), 141–164.
10. Vázquez, A. L., Rodriguez, M. M. D., Barrett, T. S., **Schwartz, S.**, Buenabad, N. G. A., Gamiño, M. N. B., López, M. de L. G., & Velázquez, J. A. V. (2020). Innovative identification of substance use predictors: Machine learning in a national sample of mexican children. *Prevention Science*, 21(2), 171–181.

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## Publications: Refereed Journal Papers - 2019

1. Bolton, D. A., Cole, D. M., Butler, B., Mansour, M., Rydalch, G., McDannald, D. W., & **Schwartz, S. E.** (2019). Motor preparation for compensatory reach-to-grasp responses when viewing a wall-mounted safety handle. *Cortex*, *117*, 135–146.
2. Bolton, D. A., **Schwartz, S. E.**, Mansour, M., Rydalch, G., & McDannald, D. W. (2019). Priming of grasping muscles when viewing a safety handle is diminished with age. *Maturitas*, *121*, 7–12.
3. Kauzor, K. E., **Schwartz, S.**, Tubbs, Z., Hammond, A. G., & Tschanz, J. T. (2019). P1-478: PATTERNS OF NEUROPSYCHIATRIC SYMPTOMS AND SURVIVAL AMONG OLDER ADULTS WITH VARIOUS SUBTYPES OF DEMENTIA: THE CACHE COUNTY DEMENTIA PROGRESSION STUDY. *Alzheimer's & Dementia*, *15*, P452–P452.
4. Matyi, J. M., Rattinger, G. B., **Schwartz, S.**, Buhusi, M., & Tschanz, J. T. (2019). Lifetime estrogen exposure and cognition in late life: The cache county study. *Menopause (New York, NY)*, *26*(12), 1366.
5. McClain, M. B., Harris, B., **Schwartz, S. E.**, Benallie, K. J., Golson, M. E., & Benney, C. M. (2019). Brief report: Development and validation of the autism spectrum knowledge scale general population version: Preliminary analyses. *Journal of Autism and Developmental Disorders*, *49*(7), 3007–3015.
6. Montgomery, J. W., Gillam, R. B., Evans, J. L., **Schwartz, S.**, & Fargo, J. D. (2019). A comparison of the storage-only deficit and joint mechanism deficit hypotheses of the verbal working memory storage capacity limitation of children with developmental language disorder. *Journal of Speech, Language, and Hearing Research*, *62*(10), 3808–3825.
7. Rattinger, G. B., Sanders, C. L., Vernon, E., **Schwartz, S.**, Behrens, S., Lyketsos, C. G., & Tschanz, J. T. (2019). Neuropsychiatric symptoms in patients with dementia and the longitudinal costs of informal care in the cache county population. *Alzheimer's & Dementia: Translational Research & Clinical Interventions*, *5*, 81–88.
8. Vázquez, A. L., Domenech Rodríguez, M. M., **Schwartz, S.**, Amador Buenabad, N. G., Bustos Gamiño, M. N., Gutierrez López, M. de L., & Villatoro Velázquez, J. A. (2019). Early adolescent substance use in a national sample of mexican youths: Demographic characteristics that predict use of alcohol, tobacco, and other drugs. *Journal of Latinx Psychology*, *7*(4), 273.
9. Vázquez, A. L., Rodríguez, M. M. D., **Schwartz, S. E.**, Buenabad, N. G. A., Gamiño, M. N. B., López, M. de L. G., Velázquez, J. A. V., Vázquez, A., Domenech Rodríguez, M., **Schwartz, S.**, et al. (2019). *Authors' permission. The final article will be available, upon publication, via its DOI.*
10. Wagner, D. R., Thompson, B. J., Anderson, D. A., & **Schwartz, S.** (2019). A-mode and b-mode ultrasound measurement of fat thickness: A cadaver validation study. *European Journal of Clinical Nutrition*, *73*(4), 518–523.

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## Publications: Refereed Journal Papers - 2018

1. Behrens, S., Rattinger, G. B., **Schwartz, S. E.**, Matyi, J., Sanders, C., DeBerard, M. S., Lyketsos, C. G., & Tschanz, J. T. (2018). Use of FDA approved medications for alzheimer's disease in mild dementia is associated with reduced informal costs of care. *International Psychogeriatrics*, *30*(10), 1499–1507.

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2. Bringhurst, R. F., Wagner, D. R., & **Schwartz, S.** (2018). Wingate anaerobic test reliability on the velotron with ice hockey players. *Journal of Strength and Conditioning Research*. <https://doi.org/10.1519/JSC.0000000000002458>
3. Montgomery, J. W., Evans, J. L., Fargo, J. D., **Schwartz, S. E.**, & Gillam, R. B. (2018). Structural relationship between cognitive processing and syntactic sentence comprehension in children with and without developmental language disorder. *Journal of Speech, Language, and Hearing Research*, *61*(12), 2950–2976.
4. Sanders, C. L., Wengreen, H. J., **Schwartz, S. E.**, Behrens, S. J., Corcoran, C., Lyketsos, C. G., & Tschanz, J. T. (2018). Nutritional status is associated with severe dementia and mortality. *Alzheimer Disease & Associated Disorders*, *32*(4), 298–304.

### Publications: Refereed Journal Papers - 2017 and Prior

1. Rattinger, G. B., Fauth, E. B., Behrens, S., Sanders, C., **Schwartz, S. E.**, Norton, M. C., Corcoran, C., Mullins, C. D., Lyketsos, C. G., & Tschanz, J. T. (2016). Closer caregiver and care-recipient relationships predict lower informal costs of dementia care: The cache county dementia progression study. *Alzheimer's & Dementia*, *12*(8), 917–924.
2. Rattinger, G. B., Fauth, E. B., Behrens, S., Sanders, C., **Schwartz, S. E.**, Norton, M. C., Corcoran, C., Mullins, C. D., Lyketsos, C. G., & Tschanz, J. T. (2016). Closer caregiver and care-recipient relationships predict lower informal costs of dementia care: The cache county dementia progression study. *Alzheimer's & Dementia*, *12*(8), 917–924.
3. Sanders, C., Behrens, S., **Schwartz, S. E.**, Wengreen, H., Corcoran, C. D., Lyketsos, C. G., & Tschanz, J. T. (2016). Nutritional status is associated with faster cognitive decline and worse functional impairment in the progression of dementia: The cache county dementia progression study 1. *Journal of Alzheimer's Disease*, *52*(1), 33–42.
4. Hatch, D. J., **Schwartz, S. E.**, & Norton, M. C. (2015). Depression and antidepressant use moderate association between widowhood and alzheimer's disease. *International Journal of Geriatric Psychiatry*, *30*(3), 292–299.
5. Peters, M. E., **Schwartz, S. E.**, Han, D., Rabins, P. V., Steinberg, M., Tschanz, J. T., & Lyketsos, C. G. (2015). Neuropsychiatric symptoms as predictors of progression to severe alzheimer's dementia and death: The cache county dementia progression study. *American Journal of Psychiatry*, *172*(5), 460–465.
6. Rattinger, G. B., **Schwartz, S. E.**, Mullins, C. D., Corcoran, C., Zuckerman, I. H., Sanders, C., Norton, M. C., Fauth, E. B., Leoutsakos, J.-M. S., Lyketsos, C. G., et al. (2015). Dementia severity and the longitudinal costs of informal care in the cache county population. *Alzheimer's & Dementia*, *11*(8), 946–954. <https://doi.org/10.1016/j.jalz.2014.11.004>
7. Gurgel, R. K., Ward, P. D., **Schwartz, S. E.**, Norton, M. C., Foster, N. L., & Tschanz, J. T. (2014). Relationship of hearing loss and dementia: A prospective, population-based study. *Otology & Neurotology: Official Publication of the American Otological Society, American Neurotology Society [and] European Academy of Otology and Neurotology*, *35*(5), 775.
8. Fauth, E. B., **Schwartz, S. E.**, Tschanz, J. T., Østbye, T., Corcoran, C., & Norton, M. C. (2013). Baseline disability in activities of daily living predicts dementia risk even after controlling for baseline global cognitive ability and depressive symptoms. *International Journal of Geriatric Psychiatry*, *28*(6), 597–606.

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9. Rabins, P. V., **Schwartz, S. E.**, Black, B. S., Corcoran, C., Fauth, E., Mielke, M., Christensen, J., Lyketsos, C., & Tschanz, J. (2013). Predictors of progression to severe alzheimer's disease in an incidence sample. *Alzheimer's & Dementia*, 9(2), 204–207.
10. Tschanz, J., Pfister, R., Steffens, D., Corcoran, C., Smith, K., Østbye, T., **Schwartz, S.**, Welsh-Bohmer, K., & M, N. (2013). Stressful events in late-life: Effects on cognitive decline. The cache county study. *International Journal of Geriatric Psychiatry*, 28(8), 820–830.
11. Norton, M. C., Smith, K. R., Østbye, T., Tschanz, J. A. T., **Schwartz, S. E.**, Corcoran, C., Breitner, J. C., Steffens, D. C., Skoog, I., Rabins, P. V., et al. (2011). Early parental death and remarriage of widowed parents as risk factors for alzheimer disease: The cache county study. *The American Journal of Geriatric Psychiatry*, 19(9), 814–824.
12. Tschanz, J. T., Corcoran, C. D., **Schwartz, S. E.**, Treiber, K., Green, R. C., Norton, M. C., Mielke, M. M., Piercy, K., Steinberg, M., Rabins, P. V., et al. (2011). Progression of cognitive, functional, and neuropsychiatric symptom domains in a population cohort with alzheimer dementia: The cache county dementia progression study. *The American Journal of Geriatric Psychiatry*, 19(6), 532–542.
13. Norton, M. C., Smith, K. R., Østbye, T., Tschanz, J. T., Corcoran, C., **Schwartz, S. E.**, Piercy, K. W., Rabins, P. V., Steffens, D. C., Skoog, I., et al. (2010). Greater risk of dementia when spouse has dementia? The cache county study: [See editorial comments by dr. Peter p. Vitaliano, pp 976–978]. *Journal of the American Geriatrics Society*, 58(5), 895–900.
14. Norton, M. C., Smith, K. R., Ostbye, T., Tschanz, J. T., Corcoran, C., **Schwartz, S. E.**, Piercy, K. W., Rabins, P. V., Steffens, D. C., Breitner, J. C., et al. (2009). Spousal dementia caregiving as a risk factor for incident dementia. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, 5(4), 380–381.

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### Publications: Papers in Refereed Conference Proceedings

1. Buenabad, N. G. A., Ramos, R. S., **Schwartz, S.**, López, M. L. G., Juárez, A. D. D., Gallegos, A. B. O., Ortega, T. G. G., Pérez, L. V., Icaza, M. E. M.-M., Rodriguez, M. M. D., et al. (2020). Cluster randomized trial of a multicomponent school-based program in mexico to prevent behavioral problems and develop social skills in children. *Child & Youth Care Forum*, 49, 343–364.
2. Behrens, S., Rattinger, G., **Schwartz, S.**, Lyketsos, C., & Tschanz, J. (2014). AGITATION IN DEMENTIA IS ASSOCIATED WITH WORSE CAREGIVER HEALTH OVER TIME: THE CACHE COUNTY STUDY. *GERONTOLOGIST*, 54, 42–42.
3. Rattinger, G., **Schwartz, S.**, Sanders, C., Corcoran, C., Fauth, E., Norton, M., Lyketsos, C., & Tschanz, J. (2013). HOW DO CAREGIVER RELATIONSHIP CLOSENESS AND COPING STRATEGIES AFFECT THE COSTS OF DEMENTIA CARE? *GERONTOLOGIST*, 53, 114–115.
4. Fauth, E., **Schwartz, S.**, Smith, K., Tschanz, J., Ostbye, T., Corcoran, C., & Norton, M. (2011). BASELINE FUNCTIONAL DISABILITY PREDICTS DEMENTIA RISK EVEN AFTER CONTROLLING FOR COGNITIVE STATUS. *GERONTOLOGIST*, 51, 36–37.
5. Smith, K., Hanson, H., Ostbye, T., Tschanz, J., **Schwartz, S.**, Corcoran, C., & Norton, M. (2011). DEMENTIA AND THE RISK ASSOCIATED WITH MEDICAL CO-

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6. Bradford, D., Smith, K., **Schwartz, S.**, Tschanz, J., Ostbye, T., Corcoran, C., Welsh-Bohmer, K., & Norton, M. (2010). TIMING OF OFFSPRING DEATH IN PARENTS' LIVES AND LATE-LIFE COGNITIVE DECLINE. THE CACHE COUNTY STUDY. *GERONTOLOGIST*, 50, 462–462.
7. Orsulic-Jeras, S., Menne, H., Whitlatch, C., **Schwartz, S.**, & Johnson, J. (2010). INDIVIDUALS WITH EARLY ONSET DEMENTIA AND THEIR CAREGIVERS: PROGRAM ACCEPTABILITY AND FEASIBILITY. *GERONTOLOGIST*, 50, 66–66.

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### Publications: Conference Presentations, Coauthored

1. Gonzalez, H. L., **Schwartz, S.**, Rattinger, G. B., Liu, Y., Drewel, M., Mills, M., Buhusi, M., & Tschanz, J. T. (2024). PHYSICAL ACTIVITY AND DIET MODIFY THE SEX SPECIFIC ASSOCIATION BETWEEN NEUROTROPHIN SINGLE NUCLEOTIDE POLYMORPHISMS AND INSOMNIA IN LATE-LIFE. *Alzheimer's Association International Conference*.
2. Bera, J., Goldon, M., McClain, M., Farmer, R., Harris, B., Serang, S., & **Schwartz, S. E.** (2022). *Testing measurement invariance in the vineland 3*. Presented at the Annual Convention of the National Association of School Psychologists.
3. Holbrook, S., **Schwartz, S. E.**, Barrett, T., & Gillam, S. (2022). *Validity and reliability of a novel speech prosody screening tool for autistic children*. Presentation for the American Speech-Language-Hearing Association Convention.
4. Matyi, J., Drewel, M., **Schwartz, S. E.**, Rattinger, G. B., Gonzalez, H., DeBerard, M. S., Buhusi, M., Lyketsos, C. G., & T., T. J. (2022). *Brain-derived neurotrophic factor genes are associated with neuropsychiatric symptom progression in dementia. The cache county dementia progression study*. Abstract accepted for the Alzheimer's Association International Conference.
5. Vernon, H. L. and S., K. and Gonzalez, Rattinger, G. B., Drewel, M., Smith, K. R., DeBerard, M. S., Kauwe, J., Buhusi, M., & T., Tschanz. J. (2022). *Sex differences in risk for alzheimer's disease with extended maternal and paternal family history and vascular risk factors. The cache county study*. Poster to be presented at the Alzheimer's Association International Conference.
6. Golson, M. E., McClain, M. B., & **Schwartz, S. E.** (2021). *Measurement invariance of the conners-3*. Poster presented for the virtual meeting of the American Psychological Association, Division 16 (School Psychology).
7. Golson, M. E., McClain, M. B., **Schwartz, S. E.**, Bakner, K. E., Gabrielsen, T., & Harris, B. (2021). *Measurement invariance across gender of the ASRS in a non-clinical diverse sample*. Poster presented at the virtual meeting of the International Society of Autism Research Annual Meeting.
8. Cole, D., Butler, B., M, M., **Schwartz, S. E.**, & Bolton, D. (2019). *An invisible hand: Automatic preparation for arresting a fall when viewing a handrail*. Poster presented at the International Society of Posture; Gait Research World Congress, Ediburgh, Scotland.
9. Kauzor, K., **Schwartz, S. E.**, Hammond, A., Tubbs, Z., Rattinger, G., & Tschanz, J. (2019). *Patterns of neuropsychiatric symptoms and survival among older adults with various*

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- subtypes of dementia. The cache county dementia progression study.* Poster presented at the Annual Alzheimer's Association International Conference, Los Angeles, CA.
10. Benallie, K., Benney, C., McClain, M. B., **Schwartz, S. E.**, Peacock, G., & Harris, B. (2018). *Autism spectrum knowledge scale (ASKS): General population version: Development and preliminary validation.* Poster presented at the Rocky Mountain Psychological Association annual conference, Denver, Colorado.
  11. Matyi, J., Rattinger, G., Vernon, E., **Schwartz, S. E.**, Buhusi, M., & Tschanz, J. (2018). *Lifetime estrogen exposure is associated with cognitive status in late life: The cache county study.* Poster presented at the Annual Gerontological Society of America conference, Boston, MA.
  12. Vernon, E., Behrens, S., Rattinger, G., **Schwartz, S. E.**, & Tschanz, J. (2018). *Use of sleep medications is associated with poorer cognition in older male adults: The cache county study.* Poster presented at the Annual Alzheimer's Association International Conference, Chicago, IL.
  13. Rattinger, G., Behrens, S., **Schwartz, S.**, Corcoran, C., Piercy, K., Norton, M., Fauth, E., Lyketsos, C., & Tschanz, J. (2015). *How do neuropsychiatric symptoms in persons with dementia affect caregiver physical and mental health over time? The cache county dementia progression study.* Poster presented at the Annual Alzheimer's Association International Conference, Washington, DC.
  14. Sanders, C., Wengreen, H., **Schwartz, S.**, Behrens, S., Corcoran, C., Lyketsos, C., & Tschanz, J. (2015). *Nutritional status and neuropsychological functioning in persons with dementia: The cache county dementia progression study.* Poster presented at the Annual International Neuropsychological Society Meeting, Denver, CO.
  15. Tschanz, J., Sanders, C., Wengreen, H., E, S. S., Behrens, S., Corcoran, C., & Lyketsos, C. (2015). *Status and neuropsychiatric symptoms in dementia: The cache county dementia study.* Poster presented at the Annual Alzheimer's Association International Conference, Washington, DC.
  16. Behrens, S., Rattinger, G., **Schwartz, S.**, Lyketsos, C., & Tschanz, J. (2014). *Agitation in dementia is associated with worse caregiver health over time: The cache county study.* Poster presented at the Gerontological Society of America Annual Meeting, Washington, DC.
  17. Peters, M., **Schwartz, S. E.**, Han, D., Rabins, P., Tschanz, J., & Lyketsos, C. (2014). *Neuropsychiatric symptoms as predictors of progression to severe alzheimer's dementia and death: The cache county study.* Poster presented at the Annual American Association of Geriatric Psychiatrists, Orlando, FL.
  18. Tschanz, J., Sanders, C., Wengreen, H., **Schwartz, S. E.**, Behrens, S., Corcoran, C., & Lyketsos, C. (2014). *Nutritional status and neuropsychiatric symptoms in dementia: The cache county dementia study.* Paper presented at the Gerontological Society of America Annual Meeting, Washington, DC.
  19. Gurgel, R., Ward, D., **Schwartz, S. E.**, Norton, M., & Tschanz, J. (2013). *Relationship of hearing loss and dementia: A prospective, population-based study.* Oral presentation at the American Otological Society meeting, Orlando, FL.
  20. Rattinger, G., **Schwartz, S. E.**, Corcoran, C., Zuckerman, I., Mullins, C., Norton, M., Fauth, E., Leoutsakos, J., Lyketsos, C., & Tschanz, J. (2013). *Effect of dementia severity on costs of care in the cache county dementia progression study cohort.* Presentation at the Alzheimer's Association International Conference on Alzheimer's Disease, Boston, MA.

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21. Rattinger, G., **Schwartz, S. E.**, Sanders, C., Corcoran, C., Fauth, E., Norton, M., Lyketsos, C., & Tschanz, J. (2013). *Effect of caregiver relationship closeness and coping strategies on costs of care in the cache county dementia progression study cohort*. Presentation at the Gerontological Society of America Conference, New Orleans, LA.
22. Sanders, C., Wengreen, H., Corcoran, C., **Schwartz, S.**, Norton, M., Lyketsos, C., & Tschanz, J. (2013). *Nutritional status and progression of dementia. The cache county dementia progression study*. Presentation at the Alzheimer's Association International Conference on Alzheimer's Disease, Boston, MA.
23. Tschanz, J., **Schwartz, S.**, Gilbert, M., Wanzek, J., Sanders, C., Mielke, M., Cocoran, C., Norton, M., & Lyketsos, C. (2013). *Vascular factors as predictors of severe dementia and mortality in alzheimer's disease. The cache county dementia progression study*. Presentation at the Alzheimer's Association International Conference on Alzheimer's Disease, Boston, MA.
24. Wanzek, J., **Schwartz, S.**, Sanders, C., Gilbert, M., Munger, R., Marano, C., Mielke, M., Lyketsos, C., & Tschanz, J. (2013). *Diabetes and metabolic syndrome in predicting severe dementia, institutionalization and mortality in a population-based sample of alzheimer's disease: The cache county dementia progression study*. Presentation at the Society of Behavioral Medicine Conference, San Francisco, CA.
25. Fauth, E., **Schwartz, S. E.**, Norton, M., Piercy, K., Lyketsos, C., & JT, T. (2012). *Do closer relationships between caregivers and persons with alzheimer's dementia affect the progression of neuropsychiatric symptoms in the care recipient?* Presentation at the Gerontological Society of America meeting, San Diego, CA.
26. S, M., **Schwartz, S. E.**, Tschanz, J., Corcoran, B., C nad Black, Fauth, E., Mielke, M., Lyketsos, C., & Rabins, P. (2012). *Neuropsychiatric symptoms at baseline shorten time to severe dementia in a population-based sample of incident alzheimer's disease*. Presentation at the Alzheimer's Association International Conference on Alzheimer's Disease, Vancouver, B.C.
27. Buckley, T., Corcoran, C., **Schwartz, S. E.**, Breitner, J., Zandi, P., Norton, M., Deberard, M., Wengreen, H., Foley, B., Welsh-Bohmer, K., Lyketsos, C., & Tschanz, J. (2011). *NSAID use does not affect dementia progression or survival in alzheimer's disease: The cache county dementia progression study*. Presentation at the Alzheimer's Association International Conference on Alzheimer's Disease, Paris, France.
28. Fauth, E. B., **Schwartz, S. E.**, Smith, K., Tschanz, J., Ostbye, T., Corcoran, C., & Norton, M. C. (2011). *Baseline functional disability predicts dementia risk even after controlling for cognitive status*. Presentation at the Annual Meeting of the Gerontological Society of America, Boston, MA.
29. Rabins, P., **Schwartz, S. E.**, Tschanz, J., Corcoran, C., Black, B., Fauth, E., Mielke, M., & Lyketsos, C. (2011). *Risk factors for severe dementia from a population-based sample of incident alzheimer's disease: The cache county dementia progression study*. Presentation at the Alzheimer's Association International Conference on Alzheimer's Disease, Paris, France.
30. Smith, K., Hanson, H., Ostbye, T., Tschanz, J., **Schwartz, S. E.**, Corcoran, C., & Norton, M. (2011). *Comorbidity and risk for dementia using medicare datasets*. Presentation at the Annual Meeting of the Gerontological Society of America, Boston, MA.
31. Bradford, D., Smith, K., **Schwartz, S. E.**, Tschanz, J., Ostbye, T., Corcoran, C., Welsh-Bohmer, K., & Norton, M. (2010). *Timing of offspring death in parents' lives and late-life cognitive decline. The cache county study*. Poster presentation at the Annual Meeting of

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the Gerontological Society of America, New Orleans, LA.

32. Norton, M., Bradford, D., Smith, K., **Schwartz, S. E.**, Tschanz, J., Ostbye, T., Corcoran, C., & Welsh-Bohmer, K. (2010). *Family size moderates the association between offspring death and rate of cognitive decline. The cache county study*. Poster presentation at the Annual Meeting of the Gerontological Society of America, New Orleans, LA.
33. Snyder, C., Smith, C., Lee, S., Norton, M., Piercy, K., Fauth, E., Corcoran, C., DeBerard, S., **Schwartz, S. E.**, Morrison, A., Rabins, P., Lyketsos, C., & Tschanz, J. (2010). *Dementia caregivers and coping strategies: Relationship to health and well-being. The cache county dementia progression study*. Poster presentation at the Annual Meeting of the Gerontological Society of America, New Orleans, LA.
34. Tschanz, J., Pfister, R., Steffens, D., Corcoran, C., Smith, K., Ostbye, T., **Schwartz, S. E.**, Welsh-Bohmer, K., & Norton, M. (2010). *Stressful events in late-life: Effects on cognitive decline. The cache county study*. Poster presentation at the Annual Meeting of the Gerontological Society of America, New Orleans, LA.
35. Norton, M., Smith, K., Ostbye, T., Tschanz, J., Corcoran, C., **Schwartz, S. E.**, Piercy, K., Rabins, P., Steffens, D., Breitner, J., & Welsh-Bohmer, K. (2009). *Spousal dementia caregiving as a risk factor for incident dementia*. Poster presentation at the International Conference on Alzheimer's Disease, Vienna, Austria.
36. Corcoran, C., Tschanz, J., Steinberg, M., **Schwartz, S. E.**, Norton, M., Welsh-Bohmer, K., Breitner, J., & Lyketsos, C. (2006). *Longitudinal course of neuropsychiatric symptoms in dementia. The cache county study*. Poster presentation at the 10th International Conference on Alzheimer's Disease; Related Disorders, Madrid Spain.

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### Publications: Work Not Peer Reviewed

1. McClain, M. B., Harris, B., **Schwartz, S. E.**, Haverkamp, C. R., & Golson, M. (2019). *Development and validation of the autism spectrum knowledge scale - professional version: Preliminary analyses*. OSF. <https://doi.org/10.17605/OSF.IO/8M9UB>

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### Publications: Disertation

1. **Schwartz, S. E.** (2017). *Exact approaches for bias detection and avoidance with small, sparse, or correlated categorical data* [PhD thesis].

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### Publications: Online eBooks

1. **Schwartz, S. E.**, & Barrett, T. S. (2019). *Encyclopedia of quantitative methods in r*. GitHub. <https://cehs-research.github.io/eBooks/>
2. **Schwartz, S. E.**, & Barrett, T. S. (2018). *Explaining psychological statistics: A companion in r*. GitHub. [https://sarbearschwartz.github.io/Quant\\_I/](https://sarbearschwartz.github.io/Quant_I/)

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## Directed Student Learning

### Research Assistants for the Statistical Consulting Studio

- Liam O'Neil, 2022-2024
- Demi Culianos, 2020-2021
- Jeremy Haynes, 2019-2020
- Ryan Becker, 2019
- Joseph Jones, 2018-2019
- Morgan Kawamura, 2018
- Fred Hints, 2018
- Andy Craig, 2017-2018
- Tyson Barrett, 2016-2017

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## Current Committees

### DOCTORAL

- (in progress) **Kory Klimczak**, *Psychology*, Utah State University.
  - Efficacy and engagement in digital acceptance and commitment therapy: A meta-analysis and investigation of mechanisms
  - Proposal defense: September 23, 2024
  - Mentor: Dr Michael Levin
- (in progress) **Mikaela Drewel**, *Psychology*, Utah State University.
  - TBI recency effects and time-to-AD using the CCMS and NACC data (genotype, medications, etc.)
  - Proposal: ETA January 2025
  - Mentor: Dr JoAnn Tschanz
- (in progress) **Juan Molano Gallardo**, *Psychology*, Utah State University.
  - Exploring the impact of discriminative stimuli and Pavlovian signals on self-control in rats, particularly in situations where the self-control alternative involves risk
  - Master's Thesis
  - Mentor: Dr. Greg Madden
- (in progress) **Niyonta Chowdhury**, *Psychology*, Utah State University.
  - TBA
  - Added in place of Jamison Fargo (left USU)
  - Mentor: Dr. Melanie Domenech Rodriguez
- (in progress) **Diana Perez**, *Psychology*, Utah State University.
  - Combined efficacy of Counter-Stereotype Training (CST) and Situational Attribution Training (SAT) in reducing implicit racial bias
  - Proposal: currently drafting, spring 2024
  - Mentor: Dr. Melanie Domenech Rodriguez
- (in progress) **Chris Johnson**, *Statistics*, Utah State University.
  - Comprehensive examination passed: July 2021
  - Proposal Defense: February 23, 2023
  - Mentor: Dr. Chris Corcoran

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## MASTERS

(in progress) **Ben Juarez**, *Psychology - Clinical Counseling*, Utah State University.

- CRIES-8 Validation with Latinx Youth
- Proposal defense: April 13, 2022
- Mentor: Dr. Melanie Domenech Rodriguez

*Utah State University*

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## Past Committees

### CHAIR

- May 2021 **Amanda Hagman**, *Psychology, Socio-Epidemiology Program*, Utah State University.
- Substance Misuse Transitions Between Adolescence Young Adulthood: Impacts on Young Adult Self-sufficiency
  - <https://digitalcommons.usu.edu/etd/8050/>

### DOCTORAL

- September 2024 **Kaitlyn Kauzor**, *Psychology*, Utah State University.
- Course of Disease Progression and Time to Death Among Different Dementia Types in a Population Based Study
  - <https://digitalcommons.usu.edu/etd2023/346/>
  - Mentor: JoAnn Tschanz
- August 224 **Alex Hammond**, *Psychology*, Utah State University.
- Development of a Multidimensional Index of Fall Risk for Older Adults: The Cache County Study
  - Final Defense: August 27, 2024
  - Mentor: JoAnn Tschanz
- April 2024 **Stephanie (Crank) Avila**, *Psychology - Brain and Cognition*, Utah State University.
- Online Deception: The Impact of Language in Test-Based Deception Detection
  - <https://digitalcommons.usu.edu/etd2023/147/>
  - Mentor: Dr. Chris Warren, Greg Madden
- March 2024 **Megan Golson**, *Psychology - Combined Program*, Utah State University.
- ADHD knowledge and its relationship to stigma and treatment decisions among parents
  - <https://digitalcommons.usu.edu/etd2023/156/>
  - Mentor: Dr. Maryellen McClain Verdose
- Dec 2024 **Jill Ashby Harmon**, *Curriculum and Instruction*, Utah State University.
- Relationships Between School, Teacher, and Feature Characteristics and Teachers Access to Features Within Digital Curriculum Resources for Mathematics Instruction
  - <https://digitalcommons.usu.edu/etd/8798/>
  - Mentor: Dr. Patricia Moyer-Packenham
- April 2023 **Kandice Benalli**, *Psychology - Combined Program*, Utah State University.
- Executive Functioning in Children with ASD and Co-occurring Neurodevelopmental Disorders: A Systematic Review and Quantitative Analysis
  - <https://digitalcommons.usu.edu/etd/7693/>
  - Mentor: Dr. Maryellen McClain Verdose
- April 2023 **Cassity Havercamp**, *Psychology - Combined Program*, Utah State University.
- App-Based Academic Interventions for Children With Autism
  - <https://digitalcommons.usu.edu/etd/8887/>
  - Mentor: Dr. Maryellen McClain Verdose

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- Aug 2023 **Olysol Omisakin**, *Sociology*, Utah State University.
- Black-White Disparities in Body Mass Index Trajectories from Adolescence to Early Adulthood: Assessing the Roles of Adverse Childhood Experiences and Cumulative Exposure to Short Sleep Durations
  - <https://digitalcommons.usu.edu/etd/8855/>
  - Mentor: Dr. Eric Reither
- Dec 2021 **Carly Fox**, *Communicative Disorders and Deaf Education*, Utah State University.
- An Investigation into the Feasibility of Streamlining Language Sample Analysis through Computer-Automated Transcription and Scoring
  - <https://digitalcommons.usu.edu/etd/8366/>
  - Mentor: Dr. Sandra Gillam
- Aug 2021 **Jordan Kugler**, *Psychology*, Utah State University.
- Risk Factors for Early and Late Onset Depression and Subsequent Risk for Alzheimer's Disease and Related Dementias in an Older Adult Population
  - <https://digitalcommons.usu.edu/etd/8200/>
  - Mentor: Dr. Joann Tschanz
- Aug 2021 **Elizabeth Kat Vernon**, *Psychology*, Utah State University.
- Extended Maternal and Paternal Hereditary Risk for Alzheimers Disease Examined by Sex in a Sample of Community Dwelling Older Adults in Cache County, Utah
  - <https://digitalcommons.usu.edu/etd/8189/>
  - Mentor: Dr. Joann Tschanz
- May 2021 **Kristen Rolf**, *Disability Disciplines*, Utah State University.
- Investigating the Effectiveness of Explicit, Systematic Mathematics Vocabulary Instruction for Students in Fourth Grade
  - <https://digitalcommons.usu.edu/etd/8550/>
  - Mentor: Dr. Tim Slocum
- Aug 2021 **Josh Mayti**, *Psychology*, Utah State University.
- Neurotrophic Factor Genetics of Cognitive Progression and Neuropsychiatric Symptom Presentation in Alzheimer's Disease and Related Disorders
  - <https://digitalcommons.usu.edu/etd/8179/>
  - Mentor: Dr. JoAnn Tschanz
- May 2020 **J. Scott Crapo**, *Human Development & Family Studies*, Utah State University.
- Family Development and the Marital Relationship as a Developmental Process
  - <https://digitalcommons.usu.edu/etd/7792/>
  - Mentors: Dr. Kay Bradford, Dr. Ryan B. Seedall
- May 2020 **Carla Orellana**, *Special Education and Rehabilitation*, Utah State University.
- Working Memory and Syntactic Processing in Bilingual and Monolingual Children
  - <https://digitalcommons.usu.edu/etd/7720/>
  - Mentor: Dr. Ronald Gillam
- Oct 2020 **Sarai Holdbrook**, *Special Education and Rehabilitation*, Utah State University.
- Validation of a Brief Prosody Rating Scale for Children with Autism Spectrum Disorder
  - <https://digitalcommons.usu.edu/etd/7830/>
  - Mentor: Dr. Sandra Gillam

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- Aug 2019 **Eliza Jex**, *Special Education and Rehabilitation*, Utah State University.
- An Assessment of Self-Determination Skills in Transition-Age Students with Disabilities Following Instruction Using the My Transition Portfolio Program
  - <https://digitalcommons.usu.edu/etd/7569/>
  - Mentor: Dr. Robert L. Morgan

## MASTERS

- May 2022 **Joanna Coltrin**, *Statistics*, Utah State University.
- Defining Areas of Interest Using Modified Voronoi Tessellations to Analyze Eye-Tracking Data
  - <https://digitalcommons.usu.edu/etd/8508/>
  - Mentor: Juergen Symanzik
- Dec 2021 **Rylan Helstern**, *Human Development & Family Studies*, Utah State University.
- The Impact of COVID-19 and Telehealth Services on Attrition Rates in Psychotherapy
  - <https://digitalcommons.usu.edu/etd/8433/>
  - Mentor: Dave Robinson
- May 2021 **Noa Reuveni**, *Psychology*, Utah State University.
- The Effects of Cannabinoids on Stress-Coping Behaviors and Neuroendocrinological Measures in Chronic Unpredictable Stress: A Preclinical Systematic Review and Meta-Analysis
  - <https://digitalcommons.usu.edu/etd/8098/>
  - Mentors: Dr. Sara Freeman, Dr. Scott Bates
- May 2021 **Carly Fox**, *Communicative Disorders and Deaf Education*, Utah State University.
- Removing Barriers to Language Sample Analysis: Computer-Automated Microstructure Scoring (CAMS)
  - <https://digitalcommons.usu.edu/etd/8023/>
  - Mentor: Dr. Sandra Gillam

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## Current Memberships

- American Statistical Association (ASA)

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## Service

- Feb 2024 **Statistical Consultation: Power and other sample size considerations**, *Institutional Review Board*, Utah State University.
- May 2021 **APA Virtual Site Visit**, *School Psychology PhD Program Accreditation*, Utah State University.

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May 2020 **Interview potential grad students of Dean Al Smith**, *Human Development and Family Studies Department*, Utah State University.

Spring 2020 **Review Journal Manuscript**, *American Journal of Preventive Medicine*.

2019-2020 **President**, *Utah Chapter*, American Statistical Association.

2018-2019 **Vice President**, *Utah Chapter*, American Statistical Association.

Spring 2019 **Borg Scholarship Committee Member**, *Psychology Department*, Utah State University.

Fall 2017 **Search Committee Member, Data Cluster**, *College of Education and Human Services, Office of Research Services*, Utah State University.

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## Notes

- This CV is reproducible; all the source code behind this CV is available on this GitHub repo.

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