

# RACHEL L (RANE) ANKNEY, PHD

Assistant Professor of Teaching  
Department of Psychology  
The University of Memphis  
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## EDUCATION

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- PhD** The University of Memphis, Experimental Psychology May 2021  
Dissertation: *The Behavior of Rotation Criteria in Exploratory Factor Analysis with Ordinal Data: The Role of Number of Indicators and Number of Factors*  
Committee: Dr. Kristoffer Berlin (chair), Dr. Randy Floyd, George Relyea, M.S., Dr. Stephanie Huette
- MS** The University of Memphis, Cognitive Psychology May 2016  
Thesis: *Predicting Undergraduate Statistics Course Performance and Transfer Through Students' Implicit Theories and Achievement Goals*  
Advisor: Dr. Jason Braasch
- BA** The University of Pittsburgh, Philosophy & Religious Studies May 2005

## HONORS AND AWARDS

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- College of Arts & Sciences Travel Enrichment Award** 2019  
The University of Memphis
- Department of Psychology Conference Travel Grant** 2015 - 2019  
The University of Memphis (3 times)
- Graduate Student Association Travel Funding Award** 2015  
The University of Memphis
- Institute for Intelligent Systems Travel Funding Award** 2015  
The University of Memphis

## PEER-REVIEWED PUBLICATIONS

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Ruppe, N. M., Clawson, A. H., **Ankney, R. L.**, Welch, G., Mullins, L. L., & Chaney, J. M. Depressive symptom trajectories across adolescence and adulthood among individuals with asthma. *Journal of Pediatric Psychology*. 48(6), 572-582.  
<https://doi.org/10.1093/jpepsy/jsad022>

Lang, A.C., **Ankney, R.L.**, Berlin, K.S., Davies, W.H. (2022). Development and validation of 18-item short form for the parents as social context questionnaire (PASCQ-18). *Journal of Child and Family Studies*. 31(2), 507-517. <https://doi.org/10.1007/s10826-021-02177-x>

Keenan, M.E., Berlin, K.S., Cook, J.L., Choquette, A.E., Ankney, R.L., Klages, K.L., Semenkovich, K.A., Rybak, T.M., Banks, G.G., Alemzadeh, R., Eddington, A.R. (2022). Brief assessment of diabetes-specific psychological flexibility in racially and income diverse youth with type 1 diabetes. *Pediatric Diabetes*. 23(3). 370-379. <https://doi.org/10.1111/pedi.13321>

Luke, A.K., **Ankney, R.L.**, Wilton, E.P., Gladstone, T.R., Berlin, K.S., Flessner, C.A. (2021). Developmental trajectories of pediatric obsessive-compulsive symptoms. *Research on Child and Adolescent Psychopathology*. 49(12), 1635-1648. <https://doi.org/10.1007/s10802-020-00742-4>

Semenkovich, K., Berlin, K.S., **Ankney, R.L.**, Keenan, M.E., Cook, J.L., Klages, K.L., Banks, G.G., Rybak, T.M., Alemzadeh, R., Eddington, A.R. (2021). Development and initial validation of the diabetes family conflict scale (revised)-short form in a racially and income diverse sample. *Pediatric Diabetes*. 22(3), 529-539. <https://doi.org/10.1111/pedi.13182>

Keenan, M.E., Berlin, K.S., Cook, J.L., **Ankney, R.L.**, Semenkovich, K., Klages, K.L., Banks, G.G., Rybak, T.M., Alemzadeh, R., Eddington, A.E. (2021). Predictors of hba1c trajectories in predominantly Black adolescents with type 1 diabetes. *Journal of Pediatric Psychology*. 46(3), 241-250. <https://doi.org/10.1093/jpepsy/jsaa124>

Berlin, K.S., Keenan, M.E., Cook, J.L., **Ankney, R.L.**, Klages, K.L., Semenkovich, K.A., Rybak, T.M., Banks, G.G., Alemzadeh, R., Eddington, A.R. (2020). Measuring psychological flexibility in youth with type 1 diabetes. *Pediatric Diabetes*. 21(8), 1566-1574. <https://doi.org/10.1111/pedi.13110>

Banks, G.G., Berlin, K.S., Keenan, M.E., Cook, J.L., Klages, K.L., Rybak, T.J., **Ankney, R.L.**, Semenkovich, K., Cohen, R., Thurston, I.B., Diaz-Thomas, A., Alemzadeh, R., Eddington, A.R. (2020). How peer conflict profiles and socio-demographic factors influence type 1 diabetes adaptation. *Journal of Pediatric Psychology*. 45(6), 663-672. <https://doi.org/10.1093/jpepsy/jsaa036>

Klages, K.L., Berlin, K.S., Cook, J.L., Keenan, M.E., Semenkovich, K., Banks, G.G., Rybak, T.M., **Ankney, R.L.**, Decker, K.M., Whitworth, J.R., Corkins, M.R. (2020). Examining risk factors of health-related quality of life impairments among adolescents with inflammatory bowel disease. *Behavioral Medicine*. Advance online publication. <https://doi.org/10.1080/08964289.2019.1676193>

Berlin, K.S., Klages, K.L., Banks, G.G., Rybak, T. M., **Ankney, R.L.**, Semenkovich, K., Ellis, D.A., Diaz-Thomas, A., Alemzadeh, R., & Eddington, A.R. (2019). Toward the development of a culturally humble intervention to improve glycemic control and quality of

life among adolescents with type 1 diabetes and their families. *Behavioral Medicine*. Advance online publication. <https://doi.org/10.1080/08964289.2019.1660299>

Semenkovich, K., Berlin, K.S., **Ankney, R.L.**, Klages, K.L., Keenan, M.E., Rybak, T.M., Banks, G.G., Alemzadeh, R., & Eddington, A.R. (2019). Predictors of diabetic ketoacidosis hospitalizations and hemoglobin A1c among youth with type 1 diabetes. *Health Psychology*. 38(7), 577–585. <https://doi.org/10.1037/hea0000719>

Klages, K.L., **Ankney, R.L.**, Berlin, K.S., Keenan, M.E., Wood, N.R., Semenkovich, K.A., Rybak, T.M., Banks, G.G., Diaz Thomas, A.M., Alemzadeh, R., & Eddington, A.R. (2019). Validity, reliability, and measurement invariance of the diabetes stress questionnaire short form. *Journal of Pediatric Psychology*. 44(4) 442-452. <https://doi.org/10.1093/jpepsy/jsy078>

Gordon, C.M., Lindner, S.M., Birbaumer, N., Montoya, P., **Ankney, R.L.**, & Andrasik, F. (2018). Self-myofascial vibro-shearing: A randomized controlled trial of biomechanical and related changes in male breakdancers. *Sports Medicine – Open*. 4(13), 1-12. <https://doi.org/10.1186/s40798-018-0128-1>

Berlin, K.S., **Ankney, R.L.**, & Rybak, T.M. (2018). Methods commentary: Uncovering unobserved data patterns with latent variable mixture modeling. *Journal of Pediatric Psychology*. 43(7), 733-736. <https://doi.org/10.1093/jpepsy/jsy042d>

## MANUSCRIPTS IN PREPARATION

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**Ankney, R.L.**, Hipp, T.N., Parrish, M.E., Kersting, J.A., Bagoyado, J.D., Montgomery, S.A., Alagala, E., Dorey, M.M., Wensley, M. (in preparation). Measurement beyond the binary: A review of inclusion and identification of gender diverse participants in psychological research.

**Ankney, R.L.**, Berlin, K.S., Pavlik, P.I., Relyea, G.E. (in preparation). Choosing estimation method and factor rotation for EFA with ordinal data: A simulation study across multiple data considerations.

## PAPER PRESENTATIONS

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Semenkovich, K., Berlin, K.S., **Ankney, R.L.**, Klages, K.L., Keenan, M.E., Rybak, T.M., Banks, G.G., Alemzadeh, R., & Eddington A.R. (2019, April). *Predictors of Diabetic Ketoacidosis Hospitalizations and Hemoglobin A1c Among Youth with Type 1 Diabetes*. [Symposium presentation]. Society of Pediatric Psychology Annual Conference, New Orleans, LA.

Gordon, C.M., Lindner, S.M., Birbaumer, N., Montoya, P., **Ankney, R.L.**, & Andrasik, F. (2018, November). *Self-Myofascial Vibro-Shearing: A Randomized Controlled Trial of Biomechanical and Related Changes in Male Breakdancers*. [Conference presentation]. Fifth International Fascia Research Congress, Berlin, Germany.

Bottomley, J.S., **Ankney, R.L.**, Smiglelsky, M.A., Germany, M., & Neimeyer, R.A. (2018, April). *Relationship Quality to the Deceased and Grief Severity*. [Conference Presentation]. Annual Conference for the Association of Death Education and Counseling, Pittsburgh, PA.

Kardash, C.M., Braasch, J.L.G., **Ankney, R.L.**, Cogliano, M., & Kuch, F. (2017, August). *Stability of Adults' Childhood Vaccination Beliefs when Reading Multiple Conflicting Documents*. [Symposium presentation]. American Psychological Association Annual Convention, Washington, D. C.

**Ankney, R.L.**, Braasch, J.L.G., Bråten, I., & Daniel F. (2015, April). *Relating Students' Statistics Anxiety and Theories of Intelligence and Ability to Statistics Performance and Attendance*. [Roundtable presentation]. American Educational Research Association Annual Meeting, Chicago, IL.

## POSTER PRESENTATIONS

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Ruppe, N.M., Clawson, A.H., **Ankney, R.L.**, & Kurien, C. (2022, April). *Identifying trajectories and predictors of depressive symptoms among individuals with asthma: an application of latent growth curve modeling*. [Poster presentation]. Society of Pediatric Psychology Annual Conference, Phoenix, AZ.

Cook, J.L., Berlin, K.S., Keenan, M.E., **Ankney, R.L.**, Choquette, A.E., Semenkovich, K.A., Klages, K.L., Rybak, T.J., Banks, G.G., Alemzadeh, R., Eddington, A.R. (2021, April). *Measuring Caregivers' Psychological Inflexibility Regarding Their Child's Type 1 Diabetes and Relations with Diabetes Adjustment*. [Poster presentation]. Society of Pediatric Psychology Annual Conference, Virtual Conference.

Keenan, M.E., Cook, J.L., Semkovich, K.A., **Ankney, R.L.**, Choquette, A.E., Berlin, K.S., Alemzadeh, R., Eddington, A.R. (2021, April). *Initial Feasibility and Acceptability of a Novel Intensive Longitudinal Data Collection Procedure Measuring Stress and Glycemic Control in Adolescents with Type 1 Diabetes*. [Poster presentation]. Society of Pediatric Psychology Annual Conference, Virtual Conference.

Choquette, A.E., Berlin, K.S., Cook, J.L., Keenan, M.E., Semenkovich, K.A., **Ankney, R.L.**, Klages, K.L., Rybak, T.J., Banks, G.G., Alemzadeh, R., Eddington, A.R. (April, 2021). *What is the Magic Screening Question to Identify Youth at Risk for Maladaptation to Type 1 Diabetes?* [Poster presentation]. Society of Pediatric Psychology Annual Conference, Virtual Conference.

Wilton, E.P., Luke, A.K., **Ankney, R.L.**, Gladstone, T.R., Berlin, K.S., Flessner, C.A. (2020, November). *Pediatric Obsessive-Compulsive Symptoms Over Time*. [Poster presentation]. Association for Behavioral and Cognitive Therapies Annual Conference, Philadelphia, PA.

Berlin, K.S., **Ankney, R.L.**, Cook, J., Keenan, M.E., Semenkovich, K.A., Klages, K. L., Rybak, T.M., Banks, G.G., Alemzadeh, R., & Eddington, A.R. (2020, March). *Developing a Short Form of the Pediatric Quality of Life Inventory Diabetes Module*. [Poster presentation]. Society of Pediatric Psychology Annual Conference, Dallas, TX.

Cook, J.L., Keenan, M.E., Berlin, K.S., Semenkovich, K.A., Klages, K.L., **Ankney, R.L.**, & Eddington, A.R. (2020, March). *Observational Research on Parent-Child Interactions of Youth with Type 1 Diabetes: A Review of Methods and Associations with Diabetes-Related Outcomes*. [Poster presentation]. Society of Pediatric Psychology Annual Conference, Dallas, TX.

**Ankney, R.L.**, Berlin, K.S., & Pavlik, P.I. (2019, August). *Exploratory Factor Analysis with Ordinal Data: The Influence of Sample Size and Number of Categories*. [Poster presentation]. American Psychological Association Annual Convention, Chicago, IL.

McCabe, R.M., Kardash, C.M., Braasch, J.L.G., **Ankney, R.L.**, Cogliano, M. (2019, July). *Stability of Accurate and Inaccurate Vaccine Beliefs After Exposure to Belief-Consistent and Inconsistent Texts*. [Poster presentation]. 29<sup>th</sup> Annual Meeting of the Society for Text & Discourse, New York, NY.

Berlin, K.S., Keenan, M. E., **Ankney, R.L.**, Cook, J.L., Klages, K.L., Semenkovich, K., Rybak, T.J., Banks, G.G., Alemzadeh, R., & Eddington, A.R. (2019, April). *Measuring Psychological Inflexibility in Youth with Type 1 Diabetes and Relations with Diabetes-Related Outcomes*. [Poster presentation]. Society of Pediatric Psychology Annual Conference, New Orleans, LA.

Cook, J.L., Keenan, M.E., Berlin, K.S., **Ankney, R.L.**, Klages, K.L., Semenkovich, K., Rybak, T.J., Banks, G.G., Alemzadeh, R., Diaz Thomas, A.M., & Eddington, A.R. (2019, April). *Stress, Adherence, and the Prediction of Health-Related Quality of Life Profiles in Youth with Type 1 Diabetes*. [Poster presentation]. Society of Pediatric Psychology Annual Conference, New Orleans, LA.

Keenan, M.E., Berlin, K.S., **Ankney, R.L.**, Cook, J.L., Klages, K.L., Semenkovich, K., Rybak, T.J., Banks, G.G., Alemzadeh, R., & Eddington, A.R. (2019, April). *Social-Information Processing Variables Predict Hemoglobin A1c Trajectories in Youth with Type 1 Diabetes*. [Poster presentation]. Society of Pediatric Psychology Annual Conference, New Orleans, LA.

Klages, K.L., Berlin, K.S., Keenan, M.E., Semenkovich, K., Banks, G.G., Rybak, T.J., **Ankney, R.L.**, Decker, K., Whitworth, J., Corkins, M. (2019, April). *Testing a Conceptual Model of Adolescent Adaptation to Inflammatory Bowel Disease*. [Poster presentation]. Society of Pediatric Psychology Annual Conference, New Orleans, LA.

Lang, A.C., **Ankney, R.L.**, Berlin, K.S., Davies, W.H. (2019, April). *Development and Validation of a Short-Form for the Parents as Social Context Questionnaire*. [Poster presentation]. Society of Pediatric Psychology Annual Conference, New Orleans, LA.

Terry, A.G., Berlin, K.S., Keenan, M.E., Klages, K.L., **Ankney, R.L.**, Semenkovich, K., Alemzadeh, R., & Eddington, A.R. (2019, April). *Systematic Review and Meta-Analysis of the Relation Between Glycemic Control and Stress Among Youth with Type 1 Diabetes*. [Poster presentation]. Society of Pediatric Psychology Annual Conference, New Orleans, LA.

Keenan, M.E. Berlin, K.S., **Ankney, R.L.**, Klages, K.L., Rybak, T.J., Semenkovich, K., Banks, G.G, Alemzadeh, R., Eddington, A.R. (2018, November). *Longitudinal Relations Among Glycemic Control and Internalizing Symptoms Among Youth with Type 1 Diabetes*. [Poster presentation]. Association for Behavioral and Cognitive Therapies Annual Conference, Washington, DC.

Klages, K.L., Berlin, K.S., Banks, G.G., Rybak, T.M., Semenkovich, K., **Ankney, R.L.**, Wood, N.R., Terry, A., Alemzadeh, R., Diaz Thomas, A.M., & Eddington, A.R. (2018, April). *Using Qualitative Methods to Inform Culturally Responsive Interventions for At-Risk Youth with Type-1 Diabetes and their Families*. [Poster presentation]. Society of Pediatric Psychology Annual Conference, Orlando, FL.

Rybak, T.M., Berlin, K.S., **Ankney, R.L.**, Wood, N., Terry, A., & Davies, W.H. (2018, April). *Examining Psychological Inflexibility in Relation to Mealtime Behaviors and Children's zBMI in a Community Sample*. [Poster presentation]. Society of Pediatric Psychology Annual Conference, Orlando, FL.

Ingram, D., Maher, M.A., **Ankney, R.L.**, & Anderson, M.B. (2017, April). *Teaching Operant Conditioning Principles to Students: Making the World a Better Place*. [Poster presentation]. 31st Annual National Conference on Undergraduate Research, Memphis, TN.

Semenkovich, K., Berlin, K.S., **Ankney, R.L.**, Klages, K.L., Rybak, T.M., Banks, G.G., Smith, T.R., Diaz-Thomas, A., Alemzadeh, R., & Eddington, A.R. (2017, March). *The Diabetes Conflict Scale Short Form: Reliability and Validity in Youth with Type 1 Diabetes and their Caregivers*. [Poster presentation]. Society of Pediatric Psychology Annual Conference 2017, Portland, OR.

## INVITED TALKS

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**Ankney, R.L.** (2023, September). *Creating a more LGBTQ+ inclusive classroom and campus community*. The University of Memphis Lambuth Campus, Jackson, TN.

**Ankney, R.L.** (2023, April). *Proud and Out (or not): Navigating Being LGBTQ+ in College and Academia*. The University of Memphis Lambuth Campus, Jackson, TN.

**Ankney, R.L.** (2022, September). *Equity and Inclusion in the Classroom*. Department of Psychology Fall Colloquium, Oklahoma State University, Stillwater, OK (presented virtually).

## LOCAL PRESENTATIONS AND TALKS

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**Ankney, R.L.** (2022, February). *Creating a More Gender Inclusive Classroom*. [Local presentation]. Lunch and Learn, Oklahoma State University, Stillwater, OK.

**Ankney, R.L.** (2017, March). *A Brief Introduction to Counterfactuals*. [Local presentation]. Child and Family Research Group, The University of Memphis, Memphis, TN.

**Ankney, R.L.** (2016, November). *Exploratory Factor Analysis with Ordinal Data*. [Local presentation]. Child and Family Research Group, The University of Memphis, Memphis, TN.

**Ankney, R.L.** (2016, March). *Do Individual Differences Predict Undergraduate Statistics Success?* [Local presentation]. Institute for Intelligent Systems Student Poster Presentation, The University of Memphis, Memphis, TN.

**Ankney, R.L.** (2016, February). *Do Individual Differences Predict Undergraduate Statistics Success? The Role of Students' Implicit Theories and Achievement Goals*. [Local presentation]. Cognitive Area Brown Bag, The University of Memphis, Memphis, TN.

**Ankney, R.L.** (2015, March). *Learning with and From Controversial Information: Vaccines Beliefs and Multiple Documents*. [Local presentation]. Cognitive Area Brown Bag, The University of Memphis, Memphis, TN.

**Ankney, R.L.** (2014, November). *Relating Students' Statistics Anxiety and Theories of Intelligence and Ability to Statistics Performance and Attendance*. [Local presentation]. Institute for Intelligent Systems Student Poster Presentation, The University of Memphis, Memphis, TN.

**Ankney, R.L.** (2014, October). *Understanding Undergraduate Statistics Outcomes: How Students' Statistics Anxiety and Theories of Intelligence and Ability Relate to Statistics Performance and Attendance*. [Local presentation]. Cognitive Area Brown Bag, The University of Memphis, Memphis, TN.

**Ankney, R.L.** (2013, March). *A Funds of Knowledge Model of ITS Design*. [Local presentation]. Institute for Intelligent Systems Student Poster Presentation, The University of Memphis, Memphis, TN.

## TEACHING EXPERIENCE

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2023 Spring & Fall    **Advanced Statistics 1**, Graduate, 8-12 students  
Instructor of Record, Department of Psychology, UM  
Responsible for course preparation and instruction including updating and developing slides and materials, developing, and maintaining a course website, and supporting independent graduate student projects.

**Psychology of Prejudice and Discrimination**, Undergraduate, 7-12 students

Instructor of Record, Department of Psychology, UM  
Responsible for course preparation and instruction including developing and maintaining a course website. Delivery of instruction in both in-person and online modalities.

2017 – 2023

**Research and Statistics II**, Undergraduate, 20-30 students  
Instructor of Record, Department of Psychology, UM (9 times)  
Responsible for course preparation and instruction including developing and maintaining a course website. Some ad hoc mentoring of advanced and honors students. In Fall 2020 and Spring 2021 – remote/online teaching and sections of both honors and traditional students.

2022 Fall

**Structural Equation Modeling**, Graduate, 11 students  
Instructor of Record, Department of Psychology, UM  
Responsible for course preparation and instruction including updating and developing slides and materials, developing, and maintaining a course website, and supporting independent graduate student projects.

**Special Problems in Psychology**, Undergraduate, 30 students across two sections (online)

Instructor of Record, Department of Psychology, UM  
Responsible for course preparation and instruction primarily focused on developing and maintaining a course website and reviewing and providing feedback for student submissions.

2022 Spring

**Experimental Methods in Psychology**, Undergraduate, 40 students  
Instructor of Record, Department of Psychology, OSU  
Responsible for course preparation and instruction including developing and maintaining a course website. Delivery of instruction in both in-person and online modalities.

**Psychology of Gender**, Undergraduate, 35 students  
Instructor of Record, Department of Psychology, OSU  
Responsible for course preparation and instruction including developing and maintaining a course website. Delivery of instruction in both in-person and online modalities.

**Cognitive Psychology**, Undergraduate, 35 students  
Instructor of Record, Department of Psychology, OSU  
Responsible for course preparation and instruction including developing and maintaining a course website. Delivery of instruction in both in-person and online modalities.



- 2021 Fall      **Statistical Methods in Psychology**, Undergraduate, 40 students  
Instructor of Record, Department of Psychology, OSU  
 Responsible for course preparation and instruction including developing and maintaining a course website. Delivery of instruction in both in-person and online modalities.
- Psychology of Gender**, Undergraduate, 10 students  
Instructor of Record, Department of Psychology, OSU  
 Responsible for course preparation and instruction including developing and maintaining a course website. Delivery of instruction in both in-person and online modalities.
- Psychology of Prejudice and Discrimination**, Undergraduate, 15 students  
Instructor of Record, Department of Psychology, OSU  
 Responsible for course preparation and instruction including developing and maintaining a course website. Delivery of instruction in both in-person and online modalities.
- 2016 – 2020      **Structural Equation Modeling**, Graduate, 10-15 students  
Teaching Assistant, Department of Psychology, UM (4 times)  
Instructor: Kristoffer Berlin, PhD  
 Responsible for development and preparation of lab content, grading, and ad hoc mentoring of graduate students on statistical content.
- 2018              **Measurement Theory & Psychometrics**, Graduate, 14 students  
Teaching Assistant, Department of Psychology, UM  
Instructor: Randy Floyd, PhD  
 Responsible for grading and ad hoc mentoring of graduate students on statistical content.
- 2018              **Introduction to Psychology**, Undergraduate, 34 students (online)  
Teaching Assistant, Department of Psychology, UM  
Instructor: Deranda Lester, PhD  
 Responsible for some aspects of the course website as well as grading and online student interaction.
- 2016 – 2017      **Introduction to Psychology**, Undergraduate, 200+ students  
Teaching Assistant, Department of Psychology, UM (2 times)  
Instructor: Mollie Anderson, PhD  
 Responsible for providing content to a subsection of approximately 50 students, supervising an undergraduate assistant, grading, and student interaction.

- 2016                    **Research Methods and Statistics**, Graduate, 20 students  
Teaching Assistant, Department of Psychology, UM  
Instructor: Jeffrey Berman, PhD  
Responsible for grading and ad hoc mentoring of graduate students on course content.
- 2014-2015            **Research and Statistics I**, Undergraduate, 25-30 students  
Teaching Assistant, Department of Psychology, UM (2 times)  
Instructor: Jason Braasch, PhD  
Responsible for grading and student interaction as well as some aspects of course content development.

#### **INVITED LECTURES**

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Gender, Sexual Orientation, and Human Sexuality (Fall 2017 – Spring 2023; 8 times) Guest lecture for Introduction to Psychology at The University of Memphis

Gender Identity and Sexual Orientation (Fall 2017 – Spring 2020; 6 times) Guest lecture for Human Sexuality at The University of Memphis

Sexual Orientation and Sexuality (Spring 2019, Fall 2019) Guest Lecture for Psychology of Gender at The University of Memphis.

Item Content – Thinking Qualitatively and Quantitatively About the Items Included in Exploratory Factor Analysis (Fall 2018) Guest lecture for Measurement Theory & Psychometrics at The University of Memphis

Understanding Group Differences and Incremental Validity (Fall 2018) Guest lecture for Measurement Theory & Psychometrics at The University of Memphis

#### **RESEARCH EXPERIENCE**

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2016 – 2021            **Exploratory Factor Analysis with Ordinal Data**, Department of Psychology, UM  
Supervisor: Kristoffer S. Berlin, PhD  
Monte Carlo simulations investigating best practices in conducting exploratory factor analysis (EFA) with ordinal data.

2018 – 2021            **Measurement of Gender with Gender Diverse Individuals**, Department of Psychology, UM  
Supervisors: Kristoffer S. Berlin, PhD, Tracy Hipp, PhD  
Investigating optimal measurement and reporting of gender when including gender diverse individuals in psychological research.

- 2016 – present      **Child Health and ILLness (CHILL) Lab**, Department of Psychology, UM  
Principal Investigator: Kristoffer S. Berlin, PhD  
 Various projects investigating mental and physical health outcomes in racially and income diverse families with children with Type 1 Diabetes. Approaches include variable- and person-centered structural equation modelling (including cross-sectional and longitudinal designs.)
- 2016 – 2017      **Self-Myofascial Release in Male Breakdancers**, CIT Research Institute  
Principal Investigator: Christopher-Marc Gordon  
 Supervisor: Frank Andrasik, PhD  
 Investigation of a unique pre-post design incorporating the within subjects' factors of time (pre/post) and leg (right/left) on the physiological outcomes of self-myofascial release in a sample of male breakdancers.
- 2014 – 2016      **Knowledge Acquisition Lab (KAL)**, Department of Psychology, UM  
Principal Investigator: Jason L.G. Braasch, PhD  
 Investigating predictors of undergraduate statistics outcomes as well as misinformation and misinformation correction in the context of vaccination beliefs.
- 2012 – 2014      **Center for the Study of Adult Literacy (CSAL)**, Department of Psychology, UM  
Principal Investigator: Arthur C. Graesser, PhD  
 Investigating the use of computerized literacy tutors for adult learners.

#### **QUANTITATIVE & RESEARCH TRAINING**

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**Workshops**      Regression and Mediation Analysis using Mplus (Bengt Muthen, Ph.D., and Marten Schultzberg, Ph.D.)  
 Dynamic Structural Equation Modeling of Intensive Longitudinal Data (Bengt Muthen, Ph.D., Tihomir Asparouhov, Ph.D., and Ellen Hamaker, Ph.D.)

**Courses**      Research Design and Methodology  
 Research and Statistics I (Linear Regression)  
 Measurement Theory and Psychometrics  
 Structural Equation Modeling (SEM)  
 Advanced SAS for Public Health Professionals I  
 Advanced SAS for Public Health Professionals II  
 Large Data Sets  
 Developing Grant Proposals  
 Writing for Publication

## PROFESSIONAL AFFILIATIONS

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American Psychological Association

Divisions: Quantitative and Qualitative Psychology, Society of Pediatric Psychology

## SERVICE ACTIVITIES

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2023 – Present

**Committee Member**

Undergraduate Academic Committee  
The University of Memphis

2022 – Present

**Faculty Facilitator**

LGBTQ+ Task Force  
The University of Memphis

**Faculty Advisor**

LGBTQ+ Affinity Group  
The University of Memphis

**Committee Member**

Diversity, Equity, and Inclusion Committee  
The University of Memphis

2021 – 2022

**Committee Member**

Department of Psychology Diversity Committee  
Oklahoma State University

## PEER REVIEW ACTIVITIES

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2019

Ad-hoc reviewer for *Journal of Pediatric Psychology*

2019

Ad-hoc reviewer with Kimberly Klages for *Journal of Pediatric Psychology*

2016 - 2018

Mentored Ad-hoc reviewer with Kristoffer Berlin for *Journal of Pediatric Psychology* (4 reviews)

2017

Ad-hoc reviewer for *Statistics Education Research Journal*