

# SIERRA A. BAINTE

## CURRICULUM VITAE

Associate Professor • Department of Psychology  
The University of Miami • 5665 Ponce de Leon Blvd • Coral Gables, FL  
sbainter@miami.edu • 305.284.8690

### ACADEMIC APPOINTMENTS

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2024 - Present Associate Professor, Department of Psychology, University of Miami  
2016 - 2024 Assistant Professor, Department of Psychology, University of Miami  
2016 - Present Member, Center for Computational Science, University of Miami

### EDUCATION

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2012-2016 *Ph.D., Quantitative Psychology; Minor: Biostatistics*  
The University of North Carolina at Chapel Hill, Chapel Hill, NC  
Dissertation: Estimation approaches for generalized linear factor analysis models with sparse indicators.  
2010-2012 *M.A., Quantitative Psychology*  
The University of North Carolina at Chapel Hill, Chapel Hill, NC  
Advisor: Dr. Patrick Curran  
Master's Thesis: The Effects of Missing Time-Varying Covariates in Multilevel Models  
2006-2010 *B.A., Psychology with Honors; Minor: Spanish*  
Arizona State University, Tempe, AZ

### GRANTS & FELLOWSHIPS

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#### Active

02/2022 - 2027 NIMH R01 AA029125  
*Mechanisms of Risky Alcohol Use in Young Adults: Linking Sleep Duration and Timing to Reward- and Stress-Related Brain Function (MoRA)*  
Melynda Casement, PI (Role: Consultant)  
02/2022 - 2027 NIMH R01 MH126109  
*Mechanisms of Depression and Anhedonia in Adolescents: Linking Sleep Duration and Timing to Reward- and Stress-Related Brain Function (MoDA)*  
Melynda Casement, PI (Role: Consultant)

#### Completed

04/2020 - 08/2025 NIMH K01 MH122805  
*Bayesian Variable Selection Methods to Accelerate Identification of Important Psychological Predictors and Neural Substrates of Psychopathology*  
Bainter, PI (Sponsor: Rao, J.S., Timpano, K., Uddin, L.)

03/2019 - NIMH R21 MH116131  
02/2021 *Emotional Decision-making in Pathological Hoarding*  
Timpano, PI (Co-Investigator)

09/2011 - NIDA K24 DA040489  
05/2021 *Addressing Psychosocial Comorbidities in HIV Treatment and Prevention*  
Steven Safren, PI (Collaborator; 08/2016 – 03/2020)

06/2019 - Provost Research Award, University of Miami  
05/2020 *Variable selection methodology to improve replicability in Social Science research*  
Bainter, PI

11/2018 - Clinical and Translational Science Institute, University of Miami  
10/2019 *Examining the heterogeneous clinical expression of social communication disturbances in ASD*  
Perry/Messinger, PI (Co-Investigator)

09/2018 - National Study of Learning Mindsets, Early Career Fellowship  
09/2019 *Does mindset buffer students from instructors' implicit bias?*  
Brown-Iannuzzi, PI (Role: Collaborator)

06/2017 - Provost Research Award, University of Miami  
05/2018 *Developing a Novel Estimation Approach for Generalized Linear Factor Analysis Models with Sparse Indicators to Improve Psychological Research Involving Low Base Rate Behaviors and Symptoms.*  
Bainter, PI

09/2016 - International Obsessive Compulsive Disorder Foundation  
08/2018 *Sleep & Circadian Disturbances as a Vulnerability for OCD and Hoarding*  
Timpano, PI (Role:Co-Investigator)

06/2013 - NIDA F31 DA035523  
05/2016 *A novel application of Bayesian methods for modeling substance use trajectories*  
Bainter, PI (Sponsor: Patrick Curran, Co-Sponsor: David Dunson)

#### AWARDS

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2020 Commendation for contributions that further the SIPS mission, Society for the Improvement of Psychological Science (SIPS) (to *Bainter, McCauley, Wager, & Losin*)

2019 Poster Award, Society for Affective Neuroscience (SANS) (to *Losin, Bainter, & Wager*)

2016-2017; Award for Excellence in Graduate Teaching, Psychology Graduate Student Organization,  
2021-2022 University of Miami

#### PUBLICATIONS

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°indicates student author

##### Published

**Bainter, S. A.**, °Mao, Z., & Rao, J. S. (in press). How to apply Bayesian variable selection with multiply imputed data. *Psychological Methods*.

De Vito, R., Stephenson, B., Sotres-Alvarez, D., Siega-Riz, A., Mattei, J., Parpinel, M., Peters, B., **Bainter, S.**, Daviglius, M., Van Horn, L., & Edefonti, V. (2025). Identifying and characterizing shared and ethnic

- background site-specific dietary patterns in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). *Nutrition Journal* 24, 71. <https://doi.org/10.1186/s12937-025-01138-0>
- °Malik, A., °Leung, T. S., °Zhang, S., Zeng, G., Maylott, S. E., **Bainter, S.**, Messinger, D. M., Paukner, A., & Simpson, E. A. (2025). Stability of Individual Differences in Social and Nonsocial Visual Attention From Newborn to 14 Months, *Developmental Psychobiology*, 67(4):e70054. doi: 10.1002/dev.70054
- °Lee J.S., **Bainter S. A.**, Tsai A.C., Andersen L. S., Stanton A. M., Magison J. F., Kagee A., May J., Joska J. A., O’Cleirigh C., Safren S. A. (2024). A systematic comparison of additive and interaction approaches to modeling the effects of syndemic problems on HIV outcomes in South Africa. *Journal of Behavioral Medicine*, 47(1), 1028-1039.
- Bainter, S. A.**, °Goodman, Z. T., °Kupis, L.B., Timpano, K. R., °Fahmy, M., , & Uddin, L. Q. (2024). Neural and psychological correlates of PTSD symptoms in a community adult sample. *Cerebral Cortex*, 34(5), 1-10.
- Woods, A. D., Davis-Kean, P., Halvorson, M. A., King, K. M., Logan, J. A. R., Xu, M., **Bainter, S.A.**, ... Vasilev, M. R. (2024). Best Practices for Addressing Missing Data through Multiple Imputation. *Infant and Child Development*, 33(1), e2407.
- °Goodman, Z. T., Nomi, J. S. Kornfeld, S., Bolt, T., °Saumure, R. A., Romero, C., **Bainter, S. A.**, & Uddin, L. Q. (2024). Brain signal variability and executive functions across the lifespan. *Network Neuroscience*, 8(1), 226-240.
- Bainter, S. A.**, °McCauley, T.G., °Fahmy, M., °Kupis, L.B., Goodman, Z. T., & Rao. J. S. (2023). Comparing Bayesian variable selection to lasso approaches for applications in psychology. *Psychometrika*, 88(3), 1032-1055.
- °Lee, J. S., **Bainter, S. A.**, Tsai, A. C., Andersen, L. S., Stanton, A. M., Magidson, J. F., Kagee, A., Joska, J. A., O’Cleirigh, C., & Safren, S. A. (2023). Intersecting relationships of psychosocial and structural syndemic problems among people with HIV in South Africa: Using network analysis to identify influential problems. *AIDS and Behavior*, 27(6), 1741-1756.
- °Lee, J. S., **Bainter, S. A.**, Tsai, A. C., Andersen, L. S., Stanton, A. M., Magidson, J. F., Kagee, A., Joska, J. A., O’Cleirigh, C., & Safren, S. A. (2023). Intersecting relationships of psychosocial and structural syndemic problems among people with HIV in South Africa: Using network analysis to identify influential problems. *AIDS and Behavior*, 27(6), 1741-1756.
- Lozano, A., °Weinstein, E., Fernandez, A., **Bainter, S.A.**, Atuluru, P., Hurtado, A., Morales, V. Prado, G., Safren, S.A., & Harkness, A. (2023). Determinants of HIV testing and PrEP use among Latino sexual minority men: Refining Barrier and Facilitator Scales. *American Journal of Health Promotion*, 1-23.
- °Walsh, E. A. °, Popok, P. J., °Ream, M., **Bainter, S. A.**, Perdomo, D., Taub, C., Saez-Clarke, E. Kesmodel, S., Blomberg, B., & Antoni, M. H. (2023). Predictors of initial engagement with an asynchronous cognitive behavioral stress management website among older women with nonmetastatic breast cancer. *Supportive Care in Cancer*, 31(8), 466.
- °Ewart, L. D. , °Johnson, A., **Bainter, S.A.**, °Brown, E. C., Grov, C., Harkness, A., Roth, A. M., Paul, R., Neilands, T. B., Dilworth, S. E., & Carrico, A. W. (2022). Tina’s ParTy line: Polysubstance use patterns in sexual minority men living with HIV who use methamphetamine. *Drug and Alcohol Review*, 41(2), 338-346.
- °Goodman, Z. T., Timpano, K. R., Llabre, M. M., & **Bainter, S. A.** (2022). Reexamining the psychometric properties and construct validity of the Cognitive Failures Questionnaire. *Psychological Assessment*, 34(7), 671-683.

- °Goodman, Z. T., °Casline, E., Jensen-Doss, A., Ehrenreich-May, J., & **Bainter, S. A.** (2022). ShinyROC: A dashboard to facilitate evidence-based assessment. *Psychological Assessment*, 34(6), 558-569.
- °Grassie, H. L., °Kennedy, S. M., °Halliday, E. R., **Bainter, S. A.**, Ehrenreich-May, J. (2022). Symptom-level networks of youth- and parent-reported depression and anxiety in a transdiagnostic sample. *Depression & Anxiety*, 39(3), 211-219.
- Harkness, A., °Lozano, A., **Bainter, S.A.**, Mayo, D., Rogers, B. G., Prado, G., & Safren, S.A. (2022). Engaging Latino sexual minority men in PrEP and Behavioral Health Care: Barriers, Facilitators, and Potential Implementation Strategies. *Journal of Behavioral Medicine*, 6(4):655-667
- Perez-Stable, E. J., Bayly, J. E., Panigrahi, A., Rodriguez, E. J., Gallo, L. C., Perreira, K. M., Talavera, G. M., Estrella, M. L., Daviglus, M. L., Castaneda, S. F., **Bainter, S. A.**, Chambers, E. C., Savin, K. L., & Loop, M. (2022). Perceived neighborhood factors, health behaviors, and related outcomes in the Hispanic Community Health Study/Study of Latinos. *Preventive Medicine*, 164, 107267.
- Harkness, A., **Bainter, S.A.**, Mendez, N.A., Hernandez, D.A., O'Cleirigh, C., Mimiaga, M.J., Mayer, K.H., & , Safren, S.A. (2021). Factors associated with barriers to engagement in HIV-prevention care among sexual minority men. *Journal of Behavioral Medicine*, 44(6), 784-793.
- Safren, S., O'Cleirigh, C., Andersen, L., Magidson, J., Lee, J., **Bainter, S.**, Musinguzi, N., Simoni, J., Kagee, A. & Joska, J. (2021). Treating depression and improving adherence in HIV care with task-shared cognitive behavioral therapy in Khayelitsha, South Africa: A randomized controlled trial. *Journal of the International Aids Society*, 24, e25823.
- °Goodman, Z. T., **Bainter, S. A.**, Kornfeld, S., Chang, C., Nomi, J. S., & Uddin, L. Q. (2021). Whole-brain functional dynamics track depressive symptoms severity. *Cerebral Cortex*, 2021(00), 1-10.
- °Goodman, Z. T., Llabre, M. M., Gonzalez, H. M., Perera, M. J., Gallo, L. C., Vasquez, P. M., Lamar, M., Lopez-Cevallos, D. F., Medina, L. D., Tarraf, W., Perreira, K. M., Zeng, D., & **Bainter, S. A.** (2021). Testing measurement equivalence of neurocognitive assessments across language in the Hispanic Community Health Study/Study of Latinos. *Neuropsychology*, 35(4), 423-433.
- °Ream, M., °Pester, M., Goodman, Z.°, **Bainter, S.**, & Antoni, M. (2021). Elucidating mechanisms of quality of life disparities in Hispanic women with breast cancer: an examination of disease stage, coping, and affect. *Psycho-Oncology*, 30(4), 623-631,
- °Satyanarayana, S., Safren, S. Rogers, B., **Bainter, S.**, Christopoulos, K., Fredricksen, R., Mathews, W., Moore, R., Mugavero, M., Napravnik, S., Carrico, A., Mimiaga, M., Mayer, K., Crane, H. (2021). Longitudinal associations of syndemic conditions with antiretroviral therapy (ART) adherence and HIV viral suppression among HIV-infected patients in primary care. *AIDS Patient Care and STDs*, 35(6), 220-230.
- °Satyanarayana, S., Safren, S. Rogers, B., **Bainter, S.**, Christopoulos, K., Fredricksen, R., Mathews, W., Moore, R., Mugavero, M., Napravnik, S., Carrico, A., Mimiaga, M., Mayer, K., Crane, H. (2021). Estimating HIV transmissions in a large U.S. clinic-based sample: Effects of time and syndemic conditions. *Journal of the International AIDS Society*, 24:e25679.
- Bainter, S. A.**, °McCauley, T. G., Tor, W., & Losin, E. R. (2020). Improving Practices for Selecting a Subset of Important Predictors in Psychology: An Application to Predicting Pain. *Advances in Methods and Practices in Psychological Science*, 3(1), 56-80.

- Bainter, S. A.**, °Tibbe, T. D., °Goodman, Z. T., & Poole, D. A. (2020). Child eyewitness researchers often bin age: prevalence of the practice and recommendations for analyzing developmental trends. *Law and Human Behavior*, 44(4), 327-335.
- °Lee, J. S., Safren, S. A., **Bainter, S. A.**, Rodriguez-Diaz, C. E., Horvath, K. J., & Blashill, A. J. (2020). Examining a syndemics network among young Latino men who have sex with men. *International Journal of Behavioral Medicine*. 27(1), 39-51.
- °Lee, J. S., **Bainter, S. A.**, Carrico, A. W., Glynn, T. R., Rogers, B.G., Albright, C., O’Cleirigh, C., Mayer, K. H., & Safren, S. A. (2020). Connecting the dots: a comparison of network analysis and exploratory factor analysis to examine psychosocial syndemic indicators among HIV-negative sexual minority men. *Journal of Behavioral Medicine*. 43(6), 1026-1040.
- °Rogers, B. G., **Bainter, S. A.**, Smith-Alvarez, R., Wohlgemuth, W. K., Antoni, M. H., Rodriguez, A. E., Safren, S. A. (2020). Insomnia, health, and health-related quality of life in an urban clinic sample of people living with HIV/AIDS. *Behavioral Sleep Medicine*, 19(4), 516-532.
- °Rogers, B. G., °Glynn, T. R., **Bainter, S. A.**, °McCauley, T. G., Antoni, M. H., & Safren, S. A. (2020). Syndemics and salivary inflammation in people living with HIV/AIDS. *Psychology and Health*, 36(4), 496-510.
- Safren, S. A., Harkness, A., Lee, J., Rogers, B., Mendez, N., Magidson, J. F., Blashill, A. J., **Bainter, S. A.**, Rodriguez, A., & Ironson, G. (2020). Addressing syndemics and self-care in individuals with uncontrolled HIV: An open trial of transdiagnostic treatment. *AIDS and Behavior* (24), 3264-3278.
- Timpano, K., **Bainter, S. A.**, Goodman, Z., Tolin, D., Steketee, G., & Frost, R. (2020). A network analysis of hoarding symptoms, saving and acquiring motives, and comorbidity. *Journal of Obsessive Compulsive and Related Disorders*, 25:100520.
- Xue, X., Qi., Q., Sotres-Alvarez, D., Roesch, S. C., Llabre, M. M., **Bainter, S. A.**, Mossavar-Rahmani, Y., Kaplan, R. & Wang, T. (2020). Modeling daily and weekly moderate and vigorous physical activity using a zero-inflated mixture Poisson distribution. *Statistics in Medicine*, 39 (30), 4687-4703.
- °Bolt, T., Nomi, J. S., **Bainter, S. A.**, Cole, M. W., Uddin, L. Q. (2019). The situation or the person? Individual and task-condition differences in task-evoked activity. *Human Brain Mapping*, 40, 2943-2950.
- Brown-Ianuzzi, J.L., Golding, J.M., Gervais, W. M., Lynch, K.R., Wasarhaley, N. E., & **Bainter, S.A.** (2019). Will jurors believe non-believers? Perception of atheist rape victims in the courtroom. *Psychology of Religion and Spirituality*, 13(1), 119-126.
- Harkness, A., °, **Bainter, S.A.**, O’Cleirigh, C, Albright, B.S., Mayer, K.H., & , Safren, S.A. (2019). Longitudinal effects of psychosocial syndemics on HIV-positive sexual minority men’s sexual health behaviors. *Archives of Sexual Behavior*, 48(4), 1159-1170.
- Bainter, S. A.** & °Forster, D. E. (2018). The impact of moderate priors for Bayesian estimation and testing of item factor analysis models when maximum likelihood is unsuitable. *Structural Equation Modeling: A Multidisciplinary Journal*, 26(1), 80-93.
- Harkness, A., **Bainter, S.A.**, O’Cleirigh, C, Mendez, N.A., Mayer, K.H., & , Safren, S.A. (2018). Longitudinal Effects of Syndemics on ART Non-adherence among sexual minority men. *AIDS and Behavior*, 22(8), 2564-2574.
- °Rogers, B.G., °Lee, J.S., **Bainter, S.A.**, Bedoya, C.A., Pinkston, M., & Safren, S. A. et al. (2018). A multilevel examination of sleep, depression, and quality of life in people living with HIV/AIDS. *Journal of Health Psychology*, 25.(10-11)

- Bainter, S.A.** (2017). Bayesian estimation for item factor analysis models with sparse categorical indicators. *Multivariate Behavioral Research*, 52(5), 593-615.
- Bainter, S.A., & Howard, A.L.** (2016). Comparing within-person effects from multivariate longitudinal models. *Developmental Psychology*, 52(12), 1955-1968.
- Bainter, S.A.** (2015). Advantages of a Bayesian approach for examining class structure in finite mixture models [Abstract]. *Multivariate Behavioral Research*, 50(1), 127.
- Bainter, S.A. & Bollen, K.A.** (2015). Moving forward in the debate on causal indicators: rejoinder to comments. *Measurement: Interdisciplinary Research and Perspectives*, 13(1), 63-74.
- Tracy, E.C., **Bainter, S.A.**, & Satariano, B.S. (2015). Judgments of self-identified gay and heterosexual male speakers: Which phonemes are most salient in determining sexual orientation? *Journal of Phonetics*, 52, 13-25.
- Bainter, S.A. & Bollen, K.A.** (2014). Interpretational confounding or confounded interpretations of causal indicators? *Measurement: Interdisciplinary Research and Perspectives*, 12(4), 125-140.
- Bainter, S.A., & Curran, P.J.** (2014). The promise of integrative data analysis for developmental science. *Journal of Cognition and Development*, 16, 1-10.
- Curran, P.J., Howard, A.L., **Bainter, S.A.**, Lane, S., Burfeind, C., & McGinley, J. (2014). The separation of between-person and within-person components of individual change over time: a latent curve model with structured residuals. *Journal of Consulting and Clinical Psychology*, 82(5), 879-894.
- Morgan-Lopez, A.A., Saavedra, L.M., Hien, D.A., Campbell, A.N., Wu, E., Ruglass, L., Patock-Peckham, J.A. & **Bainter, S.A.** (2014). Indirect effects of seeking safety on substance use outcomes: Overall and attendance class-specific effects. *The American Journal on Addictions*, 23(3), 218-225.

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#### SOFTWARE

- Bainter, S. A.**, McCauley, T. G., Fahmy, M., & Attali, D. (2022). SSVS: Functions for Stochastic Search Variable Selection (SSVS) [R package]. <https://CRAN.R-project.org/package=SSVS>
- Bainter, S. A. & McCauley, T. G.** (2019). Stochastic Search Variable Selection [Online shiny application]. <https://ssvsforpsych.shinyapps.io/ssvsforpsych/>
- Goodman, Z. T., Casline, E., Jensen-Doss, A., Ehrenreich-May, J., & **Bainter, S. A.** (2022). shinyDLRs: A dashboard to facilitate derivation of diagnostic likelihood ratios [Online shiny application]. <https://dlrs.shinyapps.io/shinyDLRs/>

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#### SCIENTIFIC PRESENTATIONS

- Bainter, S. A.** (2024, July). *Variable Selection with Missing Data Using Bayesian Additive Regression Trees*. Paper presented at the annual meeting of the Psychometric Society, Prague, Czech Republic.
- Bainter, S. A.** (2022, July). *Variable Selection with Missing Data*. Paper presented at the annual meeting of the Psychometric Society, Bologna, Italy.
- Bainter, S. A.** (2022, April). *Using Bayesian Variable Selection to Identify Key Predictors in Psychology*. Invited talk for Statistics and Measurement seminar series, Department of Psychology, Wake Forest University.

- Bainter, S. A.** (2022, April). *Using Bayesian Variable Selection to Identify Important Predictors of Mental Health Outcomes*. Invited Methods Seminar, Center for HIV and Research in Mental Health, University of Miami.
- Bainter, S. A.** (2022, February). *Neural and Psychological Correlates of Post-Traumatic Stress Symptoms in a Normative Adult Sample*. Guest speaker presentation to the Brain Connectivity and Cognition Laboratory, Semel Institute for Neuroscience and Human Behavior, University of California Los Angeles.
- Bainter, S. A.** (2021, February). *Using Bayesian Variable Selection to Identify Key Predictors in Psychology*. Invited talk for the ASU Quant Speaker Series, Department of Psychology, Arizona State University.
- Bainter, S. A.,** Goodman, Z. T., Stamatis, C. A., & Timpano, K. R. (2020, November). Applying Stochastic Search Variable Selection to identify key predictors of psychological functioning in the wake of Hurricane Irma. In C. Stamatis (Chair), *Bayesian Approaches to Modeling Psychiatric Vulnerability and Treatment Mechanisms*. Symposium presented at the Association for Behavioral and Cognitive Therapies (ABCT) 54<sup>th</sup> Annual Convention.
- Bainter, S. A.** (2020, October). *Harnessing variable selection methods for psychology*. Invited seminar given to the Quantitative Psychology Division, Department of Psychological Sciences, University of Missouri.
- Bainter, S. A.,** Goodman, Z. T., & McCauley, T. G. (2020, July). *SSVSforPsych: An online tool for performing Stochastic Search Variable Selection*. Paper presented at the annual meeting of the Psychometric Society.
- Bainter, S. A.,** & McCauley, T. G. (2019, July). *Evaluating Stochastic Search Variable Selection for Applications in Psychology*. Paper presented at the annual meeting of the Psychometric Society, Santiago, CL.
- Harkness, A., **Bainter, S. A.,** O’Cleirigh, C., Mimiaga, M. J., Mayer, K. H., & Safren, S. A. (2019, Nov). Sexual Orientation Disclosure to One’s Provider, Comfort Discussing Sex, and Education Level Predict Medical Care Relevant HIV-Prevention Engagement among High Risk Sexual Minority Men. In C. Beard (Chair), *Identity concealment: Reasons, consequences, and associations with mental and physical health*. Symposium presented at the Association for Behavioral and Cognitive Therapies (ABCT) 53<sup>rd</sup> Annual Convention, Atlanta, GA.
- Satyanarayana, S., Safren, S.A., Rogers, B.G., **Bainter, S.A.,** Christopoulos, K.A., Fredericksen, R.J., Mathews, W.C., Moore, R.D., Mugavero, M.J., Napravnik, S., Mimiaga, M.J., Mayer, K.H., & Crane, H.M. (August 2019). *Syndemic psychosocial problems predict ART adherence and viral load longitudinally among cisgender women and cisgender heterosexual men in U.S. HIV clinics*. In Golub, S.A. & Petrie, K.J. (Chairs), *New Approaches to Understanding and Improving Adherence to HIV Treatment and Prevention*. Symposium conducted at the 2019 Convention of the American Psychological Association, Chicago, IL.
- Bainter, S.A.,** McCauley, T. G., & Losin, E. R. (2018, July). *Identifying Relevant Predictors in Messy Psychological Data*. Paper presented at the annual meeting of the Psychometric Society, New York, NY.
- Bainter, S.A.** (2018, May). Bayesian variable selection to identify important predictors. In B. Magnus (Chair), *Thinking More Critically About Item, Measure, and Model Selection: The Role of Quantitative Methods Throughout the Entire Research Process*. Symposium conducted at the annual meeting of the Association for Psychological Science, San Francisco, CA.
- Bainter, S.A.** & Forster, D. (2017, July). *The Impact of Moderate Priors on Ability to Detect Model Misfit*. Paper presented at the annual meeting of the Psychometric Society, Zurich, CH.
- Bainter, S.A.** (2017, May). Bayesian psychometric modeling of rare behaviors in limited samples: application to suicide ideation. In S. A. Bainter (Chair), *Psychometric Approaches to Address Challenges in Psychological Science*. Symposium conducted at the annual meeting of the Association for Psychological Science, Boston, MA.

**Bainter, S.A.** (2016, November). *Estimation Approaches for Modeling Behaviors and Symptoms with Low Endorsement*. Invited seminar given to the Division of Biostatistics, Department of Public Health Sciences, University of Miami.

**Bainter, S.A.** (2016, July). *Estimation Approaches for Modeling Categorical Indicators with Low Endorsement*. Paper presented at the annual meeting of the Psychometric Society, Ashville, NC.

Curran, P.J., **Bainter, S.A.**, Hussong, A.M., Bauer, D.J., & Howard, A.L. (2013, October). *A non-linear bifactor model of polysubstance use*. Paper presented at the annual meeting of the Society for Multivariate Experimental Psychology, Orlando, FL.

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#### POSTER PRESENTATIONS

**Bainter, S.A.**, Kupis, L.B., Goodman, Z.T., Uddin, L.Q. & Timpano, K. R. (2022, June). Neural and Psychological Correlates of Post Traumatic Stress Symptoms in a Normative Adult Sample. Poster presented at the annual meeting of the Organization of Human Brain Mapping, Glasgow, Scotland.

Goodman, Z. T., Casline, E., Jensen-Doss, A., Ehrenreich-May, J., & **Bainter, S. A.** (2020). *Diagnostic likelihood ratios of the SCARED in predicting childhood anxiety disorders*. Presented at the Association for Behavioral and Cognitive Therapies.

Goodman, Z. T., Nomi, J. S., Bolt, T., Uddin, L. Q., & **Bainter, S. A.** (2020). *Modeling brain signal variability as latent variables of neural networks*. Presented at the International Meeting of the Psychometric Society.

Goodman, Z. T., **Bainter, S. A.**, Kornfeld, S., Chang, C., Nomi, J. S., & Uddin, L. Q. (2020). *Dynamic coactivation patterns and depressive symptoms in a normative adult sample*. Presented at the Organization for Human Brain Mapping.

Goodman, Z. T., **Bainter, S. A.**, Bolt, T., Nomi, J. S., & Uddin, L. Q. (2020). *Investigating the relationship between resting-state brain signal variability and dynamic network transitions using structural equation modeling*. Presented at the Organization for Human Brain Mapping.

**Bainter, S.A.**, Stamatis, C.A., Llabre, M. M., & Timpano, K. R. (2019, July). Using Stochastic Search Variable Selection to Identify Key Predictors of Evacuation Response During Hurricane Irma. Poster presented at the annual Joint Statistical Meetings, Denver, CO.

**Bainter, S.A.**, Stamatis, C.A., Llabre, M. M., & Timpano, K. R. (2019, May). Application of Stochastic Search Variable Selection to Modeling Evacuation Ahead of Hurricane Irma. Poster presented at the annual meeting of the Association for Psychological Science, Washington, DC.

Goodman, Z. T., Llabre, M. M., Perera, M., González, H. M., Perreira, K. M., López-Cevallos, D. F., **Bainter, S. A.** (2019). Testing Measurement Equivalence of Neurocognitive Assessments Across Language in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). Presented at the American Academy of Clinical Neuropsychology (AACN). **Student Poster Award.**

Losin, E. A. R., **Bainter, S. A.**, Wager, T. D. (2019). A multivariate model of behavioral and neural predictors of pain. Poster presented at annual meeting of Social and Affective Neuroscience Society, Miami, FL.

Satyanarayana, S., Safren, S. A., Rogers, B. G., **Bainter, S. A.**, Christopoulos, K. A., Fredericksen, R. J., Mathews W. C., Moore, R. D., Mugavero, M. J., Napravnik, S., Mimiaga, M., Mayer, K. H., & Crane, H.M. (March, 2019). Syndemic psychosocial problems predict ART adherence, viremia, and transmission risk behavior among MSM in U.S. HIV clinics. Poster presented at the 40th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, Washington, DC.

- Satyanarayana, S., Safren, S. A., Rogers, B. G., **Bainter, S.**, Christopoulos, K. A., Fredericksen, R. J., Mathews W. C., Moore, R. D., Mugavero, M. J., Napravnik, S., Mimiaga, M., Mayer, K. H., & Crane, H. (2018, July). Syndemics predict bio-behavioral HIV sexual transmission risk (TRB) longitudinally in US HIV clinics. Oral poster presentation (#WEPDC0201) at the 22nd International AIDS Conference, Amsterdam, Netherlands.
- Satyanarayana, S., Safren, S. A., Rogers, B. G., **Bainter, S.**, Christopoulos, K. A., Fredericksen, R. J., Mathews W. C., Moore, R. D., Mugavero, M. J., Napravnik, S., Mimiaga, M., Mayer, K. H., & Crane, H. (2018, June). Syndemics predict antiretroviral therapy (ART) adherence and viral load longitudinally in US HIV clinics. Poster (#175) presented at the 13th Annual International Association of Providers of AIDS Care, Miami, FL.
- Lee, J. S., **Bainter, S.**, Glynn, T. R., Rogers, B. G., O'Cleirigh C., Mayer, K. H., & Safren, S. A. (2018, April). *Comparing Network to Exploratory Factor Analysis in Psychosocial Syndemics in High-Risk HIV-Negative Men Who Have Sex with Men*. Poster session presented to the 39th Annual Meeting of Society of Behavioral Medicine. New Orleans, LA.
- Harkness, A., **Bainter, S.A.**, O'Cleirigh, C., Albright, C., Mayer, K.H., & Safren, S.A. (2018, April). Longitudinal effects of syndemics on condomless sex with HIV-uninfected partners among sexual minority men living with HIV. Poster session presented at the 39th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, New Orleans, LA.
- Lee, J. S., **Bainter, S.**, Glynn, T. R., Rogers, B. G., O'Cleirigh C., Mayer, K. H., & Safren, S. A. (2017, November). *A Network Analysis of Syndemics in High-Risk HIV-Negative Men Who Have Sex with Men*. Poster presented at the Association for Behavioral and Cognitive Therapies (ABCT) 51st Annual Convention, San Diego, CA.
- Harkness, A., **Bainter, S.A.**, O'Cleirigh, C., Albright, C., Mayer, K.H., Safren, S.A. (2017, November). Effect of psychosocial syndemics on transmission risk behavior among sexual minority men living with HIV. Poster session presented at the 51st annual Association for Behavioral and Cognitive Therapies convention, San Diego, CA.
- Rogers, B. G., **Bainter, S. A.**, Safren, S. A. (2017, November). *A longitudinal analysis of sleep for persons living with HIV/AIDS in treatment for depression and medication adherence (CBT-AD)*. Poster presented at the 51<sup>st</sup> annual meeting of the Association of Behavioral and Cognitive Therapies, San Diego, CA.
- Harkness, A., **Bainter, S.A.**, O'Cleirigh, C., Mendez, N.A., Mayer, K.H., & Safren, S.A. (2017, June). *Longitudinal effects of psychosocial syndemics on ART non-adherence in HIV-positive MSM in care*. Poster presented at the 12<sup>th</sup> International Conference on HIV Treatment and Prevention Adherence, Miami, FL.
- Carucci, D.S., **Bainter, S.**, Clennan, M.K., Alert, M., Chiles, S., Liu, Q., & Saab, P. (2017, March). *Parents Misperceive the Weight Status of Girls Who are Overweight or Obese*. Poster presented at the annual meeting of the Society of Behavioral Medicine, San Diego, California.
- Bainter, S.A.** (2014, October). *Comparison of Bayesian and Maximum Likelihood Approaches to Class Enumeration in Finite Mixture Models*. Poster presented at the annual meeting of the Society for Multivariate Experimental Psychology, Nashville, TN.
- Bainter, S.A.** (2014, September). *Comparing Bivariate Models of Inter-individual and Intra-individual Change*. Poster presented at the Society for Research in Child Development: Developmental Methodology Meeting, San Diego, CA.
- Bainter, S.A.** (2012, February). *The Effects of Missing Time-Varying Covariates in Multilevel Models*. Poster presented at the Society for Research in Child Development themed meeting on the topic of Developmental Methodology, Tampa, FL.

Howard, A.L., **Bainter, S.A.**, Burfeind, C., & Curran, P.J. (2011, August). *Assessing the Capacity of Multilevel Models with Time-Varying Covariates to Represent Relational Processes in Development*. Poster presented at the annual meeting of the American Psychological Association, Washington, DC.

## TEACHING

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|                                     |                                                                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Spring 2020,<br>2021                | <i>Advanced Behavioral Statistics</i><br>Department of Psychology, University of Miami, Undergraduate Level                               |
| Fall 2018,<br>2019, 2024            | <i>Structural Equation Modeling</i><br>Department of Psychology, University of Miami, Graduate Level                                      |
| Spring 2017,<br>2019, 2021          | <i>Faculty Overview of Research &amp; Undergraduate Mentoring</i><br>Department of Psychology, University of Miami, Undergraduate Level   |
| Spring 2017-<br>2020, 2022,<br>2024 | <i>Hierarchical Linear Modeling</i><br>Department of Psychology, University of Miami, Graduate Level                                      |
| Fall 2016,<br>2018, 2019,<br>2023   | <i>Design &amp; Analysis</i><br>Department of Psychology, University of Miami, Graduate Level                                             |
| Fall 2012                           | Teaching Assistant, Statistical Methods in Psychology I<br>University of North Carolina at Chapel Hill<br>Supervisor: John Sideris, Ph.D. |

## WORKSHOPS

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Summer Institute for Biostatistics and Data Science, Florida Atlantic University, *Variable Selection Methods to Identify Key Predictors of Psychological and Health Outcomes*, Summer 2022, 2023, 2024

Psychology Graduate Student Association, *Missing Data*, Fall 2021

Psychology Graduate Student Association, *Data Visualization*, Spring 2018

Psychology Graduate Student Association, *Intro to R*, Spring 2017

Invited workshop at the annual meeting of the Association for Psychological Science, Bauer, D. J., & Bainter, S.A. *Harmonizing Classification Variables in Integrative Data Analysis*, May 2012

## GRADUATE STUDENT MENTORSHIP

### Active Masters Committees:

Denise Chungzho | Member (Chair: Amy Weisman)

### Active Dissertation Committees:

Kaitlyn Dillon | Member (Chair: Roger McIntosh)

Stephanie Novotny | Member (Chair: Jennifer Britton)

Elliott Weinstein | Member (Chair: Steven Saffren)

Hannah Grassie | Member (Chair: Jill Ehrenreich-May)

**Masters Committees:**

Cody Boland | Member (Chair: Frank Penedo), May 2021  
 Satyanand Satyanarayana | Member (Chair: Steven Safren), Nov 2019  
 Lara Baez | Member (Chair: Aaron Heller), Aug 2019  
 Daniella Carucci | Member (Chair: Patrice Saab), Nov 2018  
 Zabin Patel | Member (Chair: Amanda Jensen-Doss), July 2018  
 Jasper Lee | Member (Chair: Steven Safren), May 2018

**Dissertation Committees:**

Zachary Goodman | Chair, June 2024  
 Emily Walsh | Member (Chair: Frank Penedo), May 2024  
 Jenna Futterer | Member (Chair: Rebecca Shearer), June 2023  
 Regina Fasano | Member (Chair: Lynn Perry), June 2023  
 Liz Casline | Member (Chair: Mandy Jensen-Doss), May 2023  
 Satyanand Satyanarayana | Member (Chair: Steven Safren), May 2023  
 Molly Pester | Member (Chair: Barry Hurwitz), April 2023  
 Lara Baez | Member (Chair: Aaron Heller), April 2023  
 Stephen Hatch | Member (Chair: Brian Doss), Sept 2022  
 Jasper Lee | Member (Chair: Steven Safren), May 2022  
 Tiffany Glynn | Member (Chair: Steven Safren), May 2022  
 Brittany Jaso | Member (Chair: Aaron Heller), May 2021  
 Caitlin Stamatis | Member (Chair: Kiara Timpano), July 2020  
 Mary Kate Clennan | Member (Chair: Patrice Saab), May 2020  
 Karen Rothman | Member (Chair: Brian Doss), April 2020  
 Emily Prince | Member (Chair: Daniel Messinger), June 2019  
 Johayra Bouza | Member (Chair: Rebecca Shearer), July 2019  
 Danny Forster | Member (Chair: Michael McCullough), March 2018  
 Brooke Genkin | Member (Chair: Steven Safren), April 2018  
 Julia Carbonella | Member (Chair: Kiara Timpano), Sept 2017

**AD HOC REVIEWING**

*Addictive Behaviors*  
*Behavior Research Methods*  
*Child Development Perspectives*  
*Decision Sciences*  
*Frontiers in Psychology*  
*Journal of Abnormal Psychology*  
*Journal of Mental Health*  
*Journal of Modern Applied Statistical Methods*  
*Methodology*  
*Multivariate Behavioral Research*  
*Psychology of Addictive Behaviors*  
*Psychometrika*  
*SpringerPlus*  
*Social Psychological and Personality Science*  
*Structural Equation Modeling: A Multidisciplinary Journal*

**PROFESSIONAL AFFILIATIONS AND ACTIVITIES**


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|--------------|-------------------------------------------------------|
| 2020-present | Communications Committee member, Psychometric Society |
| 2019-present | Empower Me First, faculty mentor                      |
| 2015-present | Psychometric Society, member                          |
| 2016-present | Association for Psychological Science, member         |

