# DONNA L. COFFMAN

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## DEGREES

***Ph.D., Quantitative Psychology*** 2005
The University of North Carolina, Chapel Hill
Advisor: Robert C. MacCallum
Dissertation: *Consequences of violating the parameter drift assumption in covariance structure models*

***M.A., Psychological Sciences*** 2001
James Madison University, Harrisonburg, VA
Thesis: *The effects of enriched and impoverished environments on preference for a saccharine solution in rats*

***B.S., Psychology*** 1999
James Madison University, Harrisonburg, VA
Graduated with distinction in Psychology
Honors Thesis: *The relationship of stress, social support, and self-efficacy with life satisfaction among freshman college students*

## PROFESSIONAL EXPERIENCE

***Associate Professor*** 2022 -present
Department of Psychology
College of Arts & Sciences
University of South Carolina

***Associate Professor*** 2021 - 2022
Department of Epidemiology and Biostatistics
College of Public Health
Center for Data Analytics and Biomedical Informatics
College of Science and Technology
Temple University

***Assistant Professor*** 2016 - 2021
Department of Epidemiology and Biostatistics
College of Public Health
Center for Data Analytics and Biomedical Informatics
College of Science and Technology
Temple University

***Research Associate Professor*** 2013 - 2016
College of Health and Human Development
Pennsylvania State University

***Senior Research Associate*** 2013 - 2016
The Methodology Center
Pennsylvania State University

***Program Director*** 2012 - 2014
Prevention and Methodology Pre- and Post-doctoral Training Program
National Institute on Drug Abuse Institutional Training Grant (5T32 DA017629)
The Prevention Research Center and The Methodology Center
Pennsylvania State University

***Research Assistant Professor*** 2011 - 2013
College of Health and Human Development
Pennsylvania State University

***Research Associate*** 2008 - 2013
The Methodology Center
Pennsylvania State University

***Postdoctoral Fellow*** 2006 - 2007
Ruth L. Kirschstein National Research Service Award Institutional Training Grant
National Institute on Drug Abuse Prevention and Methodology Training Program
The Prevention Research Center and The Methodology Center
College of Health and Human Development
Pennsylvania State University

## RESEARCH SUPPORT

***Ongoing***

Family-Centered Implementation of Parent Training for Emotion Regulation in Autistic Toddlers within the Part C Early Intervention System — Pending 2025-2029
K23 MH137383-01A1 (PI: Sarah Edmunds)
PHS NIH NIMH
Role: Co-Mentor

Optimizing a Remote-Based Physical Activity Intervention for Adults with Total Knee Replacement — 2024-2029
R01 AG088083-01 (PI: Christine Pellegrini)
PHS NIH NIA
Role: Co-Investigator (Co-I)

Reducing Urban Cervical Cancer Disparities Using a Tailored mHealth Intervention to Enhance Colposcopy Attendance — 2023-2027
R01 MD017675-01A1 (PI: Suzanne Miller)
PHS NIH NIMHD
Role: Subcontract PI

Deconstructing Food Parenting Approaches to Obesity Prevention for the Highly Food Motivated Child — 2023-2027
R01 DK132642-1A1 (MPI: Jennifer Orlet Fisher (Contact PI)/ Sheryl Hughes (PI))
PHS NIH NIDDK
Role: Subcontract PI

Behavioral and Biological Rhythms in Children's Obesity-Related Health Disparities — 2021-2026
R01 DK130323-01A1 (PI: Chantelle Hart)
PHS NIH NIDDK
Role: Co-I (2021-2022); Subcontract PI (2022-2026)

mHealth-Based Just-in-Time Adaptive Intervention to Improve Physical Activity Levels of Individuals with Spinal Cord Injury — 2021-2026

R01 HD103904-01 (PI: Shivayogi Hiremath)
PHS NIH NICHD
Role: Co-I (2021-2022); Subcontract PI (2022-2026)

Targeting Added Sugar to Improve Dietary Intake in High-Risk Adolescents 2021-2026
1K01HL153783-01A1 (PI: Gina Tripicchio)
PHS NIH NHLBI
Role: Co-Mentor

***Completed***

Characterizing Top-Down Dimensions of Appetite Self-Regulation Among Preschoolers 2023-2025
R21 HD109362 (PI: Jennifer Orlet Fisher)
PHS NIH NICHD
Role: Subcontract PI

Assessing Everyday Function in Older Adults with the Virtual Kitchen 2020-2025
R01 AG062503 (PI: Tania Giovannetti)
PHS NIH NIA
Role: Co-I (2020-2022); Subcontract PI (2023-2025)

Development of a Sensor-Based Movement Biomarker to Capture Upper Extremity Use During Daily Activities in Individuals with Spinal Cord Injury 2021-2024
SC200104 (PI: Shivayogi Hiremath)
Department of Defense Congressionally Directed Medical Research Programs
Role: Co-I (2021-2022); Subcontract PI (2022-2024)

Mindfulness and Acceptance-Based Interventions for Obesity: Using a Factorial Design to Identify the Most Effective Components 2019-2024
R01 DK119658 (PI: Evan Forman)
PHS NIH NIDDK
Role: Subcontract PI

Developing Methodology to Examine Causal Mediation of Time-Varying Effects in Smoking Cessation Treatments 2018-2023
R01 CA229542
PHS NIH NCI
Role: Principal Investigator (PI)

Enhancing Healthy Reintegration and Recovery for High-Risk Opioid Users 2019-2023
PA CURE (PI: Steven Belenko)
Role: Co-I (2019-2022)

Improving Causal Inference Tools for Addiction Researchers 2018-2022
R01 DA045049 (PI: Beth Ann Griffin)
PHS NIH NIDA
Role: Subcontract PI

Improving Everyday Task Performance through Repeated Practice in Virtual Reality 2020-2022
R21 AG066771-01 (PI: Tania Giovannetti)
PHS NIH NIA
Role: Co-I

Evaluating Associations Between Trauma-Related Characteristics and Functional Recovery in Individuals with Spinal Cord Injury 2020-2022
R03 HD101064-01 (PI: Shivayogi Hiremath)
PHS NIH NICHD
Role: Co-I

Downshifting Sweet Preference and Added Sugar Intake During Snacking Among Young Children: A Randomized Controlled Trial 2017-2022
R01 DC016616 (PI: Jennifer Orlet Fisher)
PHS NIH NIDCD

Role: Co-I

The Impact of Individual-Level Factors on Progress in Speech Therapy for Children with Childhood Apraxia of Speech (CAS) 2020-2022
F31 DC018723 (PI: Molly Beiting)
PHS NIH NIDCD
Role: Co-Mentor

Meal Time Interactions and Risk of Obesity in Toddlers 2016-2021
R01 DK108661 (PI: Chantelle Hart)
PHS NIH NIDDK
Role: Co-I

Low-Level Exposure to Multiple Metals: Effects on Cognition and Behavior 2016-2019
R01 ES023423 (PI: Kasia Kordas)
PHS NIH NIEHS
Role: Consultant

Factors Predicting Ineffective Contraceptive Use 2017-2019
R21 HD091927 (PI: Stephen Lepore)
PHS NIH NICHD
Role: Co-I (10/2017 – 5/2018)

Novel Methods to Identify Momentary Risk States for Stress & Physical Inactivity 2014-2018
K01 ES025437
PHS NIH NIEHS
Role: PI

Dyadic Influence in Genomic Medicine: Couples Beliefs, Disclosures, and Well-Being 2014-2016
R21 HG007111 (PI: Rachel Smith)
PHS NIH NHGRI
Role: Co-I

Social Ecological Determinants of Young Adult Sexual Risk Behavior 2014-2016
R03 HD079711 (PI: Kari Kugler)
PHS NIH NICHD
Role: Co-I

Center for Prevention and Treatment Methodology 2010-2015
P50 DA10075 (PI: Linda Collins)
PHS NIH NIDA
Role: Scientific Project Director (PD)

HealthWise Dissemination: Translation to Multiple Schools 2010-2015
R01 DA029084 (PI: Linda Caldwell)
PHS NIH NIDA
Role: Co-I

Mexican Children of Immigrants 2011-2015
P01 HD62498 (PI: Nancy Landale)
PHS NIH NICHD
Role: Co-I

Geisinger Rural Aging Study 2009-2014
1950-51530-010-00D (Subcontract PI: Gordon Jensen)
U.S. Department of Agriculture (ARS-USDA)
Role: Co-I

Is Low-Level Arsenic Exposure Related to Neurobehavioral Deficits in Children? 2012-2014
R21 ES019949 (PI: Kasia Kordas)
PHS NIH NIEHS
Role: Co-I

Marginal Causal Models for Observational Studies in Obesity Research 2009-2012
R21 DK082858

PHS NIH NIDDK
Role: Co-I (7/1/09 – 6/30/11); PI (7/1/11 – 6/30/2012)

Antioxidant Status, Diet and Early Pregnancy 2010-2011
R01 HD49762 (Subcontract PI: Terryl Hartman)
PHS NIH NICHD
Role: Co-I

Causal Inference for Mediation Models in Substance Abuse Prevention Research 2009-2011
R03 DA026543
PHS NIH NIDA
Role: PI

Center for Prevention and Treatment Methodology 2008-2010
P50 DA10075 (PI: Linda Collins)
PHS NIH NIDA
Role: Co-I

Aligning Forces for Quality 2008-2009
#: 59997 (PI: Dennis Scanlon)
Robert Wood Johnson Foundation
Role: Statistical Consultant

Geisinger Rural Aging Study 2008-2009
1950-51530-008-00D (Subcontract PI: Terryl Hartman)
U.S. Department of Agriculture (ARS-USDA)
Role: Co-I

Drug Resistant Strategies Minority Project 2008
R01 DA005629 (PI: Michael Hecht)
PHS NIH NIDA
Role: Co-I

## PUBLICATIONS

*indicates student mentee
**indicates postdoctoral mentee
†indicates senior author

***Journal Articles – in press and published***

1. Yang, C.-H., Hedeker, D., Lee, J., Prine, H., **Coffman, D. L.**, Wei, J., & Hakun, J. G. (2025). Daily movement activities are associated with within-person instability of cognitive function in older adults: Evidence from an ambulatory assessment study. *Innovation in Aging*. doi: PMCID: PMC

2. *Johnson, T. C., *Hagan, C., **Coffman, D. L.**, Nunn, M., Schmidt-Read, M., Heath, K. M., Marino, R. J., & Hiremath, S. V. (2025). Assessing sensor-derived features from a wrist-worn wearable device as indicators of upper extremity function in individuals with cervical spinal cord injury. *Archives of Physical Medicine and Rehabilitation*. doi: PMCID: PMC

3. Smethers, A. D., Fisher, J. O., *Carney, E. M., **Coffman, D. L.**, & Mennella, J. A. (2025). Carbon and nitrogen stable isotope ratios in hair are associated with added sugar intake in adults but not young children: A cross-sectional study. *American Journal of Clinical Nutrition, 121*(4), 900-909. doi: PMCID: PMC

4. Xu, S., **Coffman, D. L.**, Luta, G., Mai, A., Jiang, N., & Niaura, R. (2025). Transition of e-cigarette use to subsequent cigarette smoking among US youth: A causal mediation analysis. *Addictive Behaviors, 161*, 108204. doi: 10.1016/j.addbeh.2024.108204 PMCID: PMC

5. Hart, C. N., **Coffman, D. L.**, Carskadon, M. A., Raynor, H. A., Jelalian, E., Owens, J. A., Hawley, N. L., & Wing, R. R. (2024). Earlier bedtimes mediate the effect of a brief behavioral sleep intervention on children's weight status. *The Journal of Pediatrics, 276,* 114265. doi: 10.1016/j.jpeds.2024.114265 PMCID: PMC11645219

6. **Coffman, D. L.**, *Zhou, H., Castellano, K., Schuler, M. S., & McCaffrey, D. F. (2024). Sampling weighting strategies in causal mediation analysis. *BMC Medical Research Methodology, 24*(1), 133. doi:10.1186/s12874-024-02262-x PMCID: PMC11179247

7. *Carey, R. L., *Le, H., **Coffman, D. L.**, Nahum-Shani, I., Thirumalai, M., Hagen, C., Baehr, L. A., Schmidt-Read, M., Lamboy, M. S. R., Kolakowsky-Hayner, S. A., Marino, R. J., Intille, S. S., & Hiremath, S. V. (2024). Mobile health-based just-in-time adaptive intervention to improve physical activity levels of individuals with spinal cord injury: Protocol for a randomized controlled trial. *JMIR Research Protocols,* 13(1): e57699. doi:10.2196/57699 PMCID: PMC11245659

8. *Canori, A., **Coffman, D. L.**, Wright, W. G., Finley, M. A., & Hiremath, S. V. (2024). Differential relationships between physical activity and pain phenotypes in individuals with spinal cord injury. *Journal of Spinal Cord Medicine.* doi:10.1080/10790268.2024.2344315 PMCID: PMC

9. Schuler, M. S., **Coffman, D. L.**, Stuart, E. A., Nguyen, T. Q., Vegetabile, B. G., & McCaffrey, D. F. (2024). Practical challenges in mediation analysis: A guide for applied researchers. *Health Services and Outcomes Research Methodology*. doi: 10.1007/s10742-024-00327-4 PMCID: PMC

10. Mennis, J., Stahler, G. J., & **Coffman, D. L.** (2024). Why are adolescent cannabis use disorder treatment admissions declining in the US? The mediated pathway of state treatment admission rates before and after recreational cannabis legalization. *Substance Use and Misuse, 59*(6), 962-970. doi: 10.1080/10826084.2024.2310500

11. McCaffrey, D. F., Griffin, B. A., Robbins, M. W., *Chakraborti, Y., **Coffman, D. L.**, & Vegetabile, B. (2024). Estimating generalized propensity scores with survey and attrition weighted data. *Statistics in Medicine, 43*(11), 2183-2202. doi: 10.1002/sim.10039 PMCID: PMC11102327

12. *McGinnis, S. M., Rudolph, A., **Coffman, D. L.**, & Murphy, H. M. (2024). Proximity to combined sewer overflow (CSO)-impacted waters in Philadelphia: A GIS study to explore environmental injustice. *Environmental Justice, 17*(4), 247-255. doi: 10.1089/env.2022.0108 PMCID: PMC

13. Hiremath, S. V., Marino, R. J., **Coffman, D. L.**, Karmarkar, A. M., & Tucker, C. A. (2024). Evaluating associations between trauma-related characteristics and functional recovery in individuals with spinal cord injury. *Journal of Spinal Cord Medicine, 47*(4), 486-494. doi: 10.1080/10790268.2022.2112849 PMCID: PMC11218572

14. Hiremath, S. V., Marino, R. J., **Coffman, D. L.**, Karmarkar, A. M., Tucker, C. A. (2024). Assessing functional recovery for individuals with spinal cord injury post-discharge from inpatient rehabilitation. *Journal of Spinal Cord Medicine, 47*(6), 893-901. doi: 10.1080/10790268.2023.2220983 PMCID: PMC11533257

15. Griffin, B. A., Schuler, M. S., Cefalu, M., Ayer, L., Godley, M., Griefer, N., **Coffman, D. L.**, & McCaffrey, D. M. (2023). A tutorial for propensity score weighting for moderation analysis with categorical variables: An application examining smoking disparities among sexual minority adults. *Medical Care, 61*(12), 836-845. doi: 10.1097/MLR.0000000000001922 PMCID: PMC10840831

16. Tripicchio, G. L., Croce, C. M., **Coffman, D. L.**, Pettinato, C., & Fisher, J. O. (2023). Age-related differences in eating location, food source location, and timing of snack intake among U.S. children 1-19 years. *International Journal of Behavioral Nutrition and Physical Activity, 20*(1), 90. doi: 10.1186/s12966-023-01489-z PMCID: PMC10369691

17. Xu, S., **Coffman, D. L.**, Luta, G., & Niaura, R. (2023). Tutorial on causal mediation analysis with binary variables: An application to health psychology research. *Health Psychology, 42*(11), 778-787. doi: 10.1037/hea0001299 PMCID: PMC10615709

18. **Coffman, D. L.**, Ayer, L., Schuler, M. S., Godley, M., & Griffin, B. A. (2023). The role of pre-treatment traumatic stress symptoms in adolescent substance use treatment outcomes. *Substance Use and Misuse, 58*(4), 551-559. doi: 10.1080/10826084.2023.2177960 PMCID: PMC11311142

19. *Al-Sharif, D. S., Tucker, C. A., **Coffman, D. L.**, & Keshner, E. (2023). Electrodermal and postural responses in dizzy adults: Diagnostic indicators of vestibular migraine. *Journal of Vestibular Research, 33,* 51-62. doi: 10.3233/VES-220004 PMCID: PMC

20. **Coffman, D. L.**, Dziak, J. J., **Litson, K., *Chakraborti, Y., Piper, M. E., & Li, R. (2023). A causal approach to functional mediation analysis with application to a smoking cessation intervention. *Multivariate Behavioral Research, 58*(5), 859-876. doi: 10.1080/00273171.2022.2149449 PMCID: PMC10966971

21. Carlisle, B. G., **Coffman, D. L.**, Egleston, B. L., & Salholz-Hillel, M. (2023). Training artificial intelligence on a gender-biased virtual world can result in biased conclusions. *Annals of Surgical Oncology, 30*(8), 5282-5283. doi: 10.1245/s10434-023-13557-6 PMCID: PMC10330926

22. Hart, C. N., Phelan, S., **Coffman, D. L.**, Jelalian, E., Ventura, A. K., Hodges, E. A., Hawley, N., Fisher, J. O., & Wing, R. R. (2023). Maternal responsiveness and toddler body mass index z-score: Prospective analysis of maternal and child mealtime interactions. *Appetite, 180*. PMCID: PMC

23. Le Guen, C. L., Muir, K. C., Simmons, M., **Coffman, D. L.**, & Soans, R. (2023). The impact of smoking status and smoking-related comorbidities on COVID-19 patient outcomes: A causal mediation analysis. *Nicotine and Tobacco Research, 25*(2), 331-338. doi: 10.1093/ntr/ntac193 PMCID: PMC9384707

24. Croce, C., Tripicchio, G., **Coffman, D. L.**, & Fisher, J. O. (2023). Association of snacking frequency, size, and energy density with weight status among preschool-aged children in the United States. *Journal of the Academy of Nutrition and Dietetics, 123*(2), 309-317. doi: 10.1016/j.jand.2022.07.001 PMCID: PMC

25. *Al-Sharif, D. S., Tucker, C. A., **Coffman, D. L.**, & Keshner, E. (2022). The effects of visual context on visual-vestibular mismatch revealed by electrodermal and postural response measures. *Journal of NeuroEngineering and Rehabilitation, 19*(1), 1-12. doi: 10.1186/s12984-022-01093-5 PMCID: PMC9584264

26. *Croce, C., Tripicchio, G., **Coffman, D. L.**, Davey, A., Bailey, R., & Fisher, J. O. (2022). Association of weight status with the types of foods consumed at snacking occasions among US adolescents. *Obesity, 30*(12), 2459-2467. doi: 10.1002/oby.23571 PMCID: PMC10305840

27. **Cai, X., **Coffman, D. L.,** Piper, M. E., & Li, R. (2022). Estimation and inference for the mediation effect in a time-varying mediation model. *BMC Medical Research Methodology, 12*(1), 1-12. doi: 10.1186/s12874-022-01585-x PMCID: PMC9014585

28. *Chakraborti, Y., **Coffman, D. L.**, & Piper, M. E. (2022). Time-varying mediation of pharmacological smoking cessation treatments on smoking lapse via craving, cessation fatigue, and negative mood. *Nicotine and Tobacco Research, 24*(10), 1548-1555. doi: 10.1093/ntr/ntac068 PMCID: PMC9575970

29. Mennis, J., *McKeon, T. P., Coatsworth, J. D., Russell, M. A., **Coffman, D. L.**, & Mason, M. J. (2022). Neighborhood disadvantage moderates the effect of a mobile health intervention on adolescent depression. *Health & Place, 73*. doi: 10.1016/j.healthplace.2021.102728 PMCID: PMC

30. Hiremath, S. V., Karmarkar, A. M., Kumar, A., **Coffman, D. L.**, & Marino, R. J. (2022). Factors associated with post-acute functional status and discharge disposition in individuals with spinal cord injury. *Journal of Spinal Cord Medicine, 45*(1), 126-136. doi: 10.1080/10790268.2021.1888023 PMCID: PMC8890581

31. Xu, S., **Coffman, D. L.**, Liu, B., Xu, Y., He, J., & Niaura, R. S. (2022). Relationships between e-cigarette use and subsequent cigarette initiation among adolescents: A propensity score analysis using data from the PATH study. *Prevention Science, 23*(4), 608-617. doi: 10.1007/s11121-021-01326-4 PMCID: PMC9129891

32. *Liao, Y., Liu, J., **Coffman, D. L.**, & Li, R. (2022). Varying coefficient mediation model and application to analysis of behavioral economics data. *Journal of Business and Economic Statistics, 40*(4), 1759-1771. doi: 10.1080/07350015.2021.1971089 PMCID: PMC9624463

33. Hart, C. N., Hawley, N., **Coffman, D. L.**, Raynor, H. A., Carskadon, M. A., Jelalian, E., Owens, J. A., Spaeth, A. M., & Wing, R. R. (2022). Randomized controlled trial to enhance children's sleep, eating, and weight. *Pediatric Research, 92*(4), 1075-1081. doi: 10.1038/s41390-021-01870-3 PMCID: PMC9413537

34. Forman, E. M., Chwyl, C., Berry, M. P., Taylor, L. C., Butryn, M. L., **Coffman, D. L.**, Juarascio, A., & Manasse, S. M. (2021). Evaluating the efficacy of mindfulness and acceptance-based treatment components for weight loss: Protocol for a multiphase optimization strategy trial. *Contemporary Clinical Trials, 110*, 106573. doi: 10.1016/j.cct.2021.106573 PMCID: PMC8722456

35. **Coffman, D. L.**, *Oliva, I. B., & Forman, E. M. (2021). Does acceptance-based treatment moderate the effect of stress on dietary lapse? *Translational Behavioral Medicine, 11*(12), 2110-2115. doi: 10.1093/tbm/ibab078 PMCID: PMC9034328

36. Ye, Z., Zhu, Y., & †**Coffman, D. L.** (2021). Variable selection for causal mediation analysis using LASSO-based methods. *Statistical Methods in Medical Research, 30*(6), 1413-1427. doi: 10.1177/0962280221997505 PMCID: PMC 8189011

37. Vegetabile, B. G., Griffin, B. A., **Coffman, D. L.**, Cefalu, M., Robbins, M. W., & McCaffrey, D. F. (2021). Non-parametric estimation of population average dose-response curves using entropy balancing weights for continuous exposures. *Health Services Outcomes & Research Methodology, 21*(1), 69-110. doi: 10.1007/s10742-020-00236-2 PMCID: PMC8415174

38. Bartel, M. J., Mousa, O., Brahmbhatt, B., **Coffman, D. L.**, Patel, K., Repici, A., Tokar, J. L., Wolfsen, H. C., & Wallace, M. B. (2021). Impact of topical Budesonide on prevention of esophageal stricture following mucosal resection. *Gastrointestinal Endoscopy, 93*(6), 1276-1282. doi: 10.1016/j.gie.2020.11.026 PMCID: PMC

39. Pryooz, D., Melde, C., **Coffman, D. L.**, & Meldrum, R. (2021). Selection, stability, and spuriousness: Testing Gottfredson and Hirschi's propositions to reinterpret street gangs in self-control perspective. *Criminology, 59*(2), 224-253. doi: 10.1111/1745-9125.12268 PMCID: PMC

40. Griffin, B. A., Ayer, L., Pane, J. D., Vegetabile, B. G., Burgette, L. F., McCaffrey, D. F., **Coffman, D. L.**, Cefalu, M., Funk, R., & Godley, M. (2020). Expanding outcomes when considering the relative effectiveness of two evidence-based outpatient treatment programs for adolescents. *Journal of Substance Abuse Treatment, 118*. doi: 10.1016/j.jsat.2020.108075 PMCID: PMC7519172

41. **Coffman, D. L.**, *Zhou, J., & **Cai, X. (2020). Comparison of methods for handling covariate missingness in propensity score estimation with a binary exposure. *BMC Medical Research Methodology, 20*(1), 168. doi: 10.1186/s.1287264-020-01053-4 PMCID: PMC7318364

42. **Coffman, D. L.**, **Cai, X., Li, R., & Leonard, N. R. (2020). Challenges and opportunities in collecting and modeling ambulatory electrodermal activity data as an assessment of stress. *Journal of Medical Internet Research: Biomedical Engineering, 5*(1), e17106. doi: 10.2196/17106 PMCID: PMC8653913

43. *Pool, A. C., **Coffman, D. L.**, Sarwer, D. B., LaRose, J. G., & Hart, C. N. (2020). Associations between weight misperception, contextual factors, and weight loss behaviors in young adult men with overweight/obesity. *Obesity Science and Practice, 6*, 39-46. doi: 10.1002/osp4.382 PMCID: PMC7042023

44. Dziak, J. J., **Coffman, D. L.**, Lanza, S. T., Li, R., & Jermiin, L. S. (2020). Sensitivity and specificity of information criteria. *Briefings in Bioinformatics, 21*(2), 553-565. doi: 10.1093/bib/bbz016 PMCID: PMC7299313

45. Dziak, J. J., **Coffman, D. L.**, Reimherr, M., Petrovich, J., Li, R., Shiffman, S., & Shiyko, M. P. (2019). Scalar-on-function regression for predicting distal outcomes from with intensively gathered longitudinal data: Interpretability for applied scientists. *Statistics Surveys, 13,* 150-180. doi: 10.1214/19-SS126 PMCID: PMC6863606

46. Hiremath, S. V., Amiri, A. M., Chhetry, B. T., Snethen, G., Schmidt-Read, M., Lamboy, M. R., **Coffman, D. L.**, & Intille, S. S. (2019). Mobile health-based physical activity intervention for individuals with spinal cord injury in the community: A pilot study. *PLOS ONE, 14*(10), e0223762. doi: 10.1371/journal.pone.0223762 PMCID: PMC6793862

47. *Cuesta, H., **Coffman, D. L.**, Branas, C., & Murphy, H. (2019). Using decision trees to understand the influence of individual- and neighborhood-level factors on urban diabetes and asthma. *Health and Place,* 58. doi: 10.106/j.healthplace.2019.04.009 PMCID: PMC

48. Spaeth, A. M., Hawley, N. L., Raynor, H. A., Jelalian, E., Greer, A., Crouter, S. E., **Coffman, D. L.**, Carskadon, M. A., Owens, J. A., Wing, R. R., & Hart, C. N. (2019). Sleep, energy balance, and meal timing in school-aged children. *Sleep Medicine,* 60, 139-144. doi: 10.1016/j.sleep.2019.02.003 PMCID: PMC8171434

49. Mennis, J., Mason, M., **Coffman, D. L.**, & Henry, K. (2018). Geographic imputation of missing activity space data from ecological momentary assessment (EMA) GPS positions. *International Journal of Environmental Research and Public Health, 15*(12), 2740. doi: 10.3390/ijerph15122740 PMCID: PMC6313622

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Griffin, B. A., Schuler, M. S., Cefalu, M., Ayer, L., Godley, M., Griefer, N., **Coffman, D. L.**, & McCaffrey, D. M. (2022). *Propensity score weighting for moderation analysis: An application to smoking disparities among LGB adults.* arXiv:2204.03345

**Coffman, D. L.**, Dziak, J. J., **Litson, K., *Chakraborti, Y., Piper, M. E., & Li, R. (2021). *A causal approach to functional mediation analysis with application to a smoking cessation intervention.* arXiv:2112.03960

**Cai, X., **Coffman, D. L.**, Piper, M. E., & Li, R. (2020). *Estimation and inference for the mediation effect in a time-varying mediation model.* arXiv:2008.11797

Vegetabile, B. G., Griffin, B. A., **Coffman, D. L.**, Cefalu, M., & McCaffery, D. F. (2020). *Nonparametric estimation of population average dose-response curves using entropy balancing weights for continuous exposures.* arXiv:2003.02938

**Tan, Y. V., **Coffman, D. L.**, Piper, M. E., & Roy, J. (2020). *Estimating the impact of treatment compliance over time on smoking cessation using data from ecological momentary assessments (EMA).* arXiv:2003.00029

Dziak, J. J., **Coffman, D. L.**, Lanza, S. T., Li, R., & Jermiin, L. J. (2018). *Sensitivity and specificity of information criteria.* bioRxiv. doi: https://doi.org/10.1101/449751

Ghosh, D., *Zhu, Y., & **Coffman, D. L.** (2013). *Penalized regression procedures for variable selection in the potential outcomes framework*. Technical Report. University Park, PA: Penn State University, Department of Statistics. Available at: http://works.bepress.com/debashis_ghosh/59

Dziak, J. J., **Coffman, D. L.**, Lanza, S. T., & Li, R. (2012). *Sensitivity and specificity of information criteria.* (Technical Report # 12-119). University Park, PA: Pennsylvania State University, The Methodology Center.

**Coffman, D. L.**, Almirall, D., & *Zhong, W. (2011). *Assessing mediation using marginal structural models in the presence of confounding and moderation.* (Technical Report # 11-112). University Park, PA: Pennsylvania State University, The Methodology Center.

**Coffman, D. L.**, *Moore, J., & Lanza, S. T. (2011). *A practical guide for prevention scientists: Drawing causal inferences using propensity scores.* (Technical Report # 11-113). University Park, PA: Pennsylvania State University, The Methodology Center.

## *INVITED LECTURES & WORKSHOPS*

***State of the Art Methods for Estimating Propensity Scores for Causal Inference*** June 2025
Workshop presented at Friedrich Alexander University of Erlangen – Nuremburg, Germany

***Time-Varying Mediation Analysis: Application to a Smoking Cessation Intervention*** Sept. 2024
Presented at Mediation Research Days, Montreal, Canada

***Time-Varying Effects and Mediation of Physical Activity on Smoking Cessation*** May 2024
Presented at the Arnold Healthy Kids Initiative Research group
Arnold School of Public Health, University of South Carolina

***Time-Varying Mediation Analysis: Application to a Smoking Cessation Intervention*** Feb. 2024
Presented virtually at the University of Washington Center for the Study of Health and Risk Behaviors Methods, Analysis, and Data Innovations group

***Time-Varying Mediation Analysis with Application to a Smoking Cessation Intervention*** Nov. 2023
Presented at the Technology Center to Promote Healthy Lifestyles
Arnold School of Public Health, University of South Carolina

***Innovative Designs for Behavioral Interventions*** Nov. 2024
Guest lecture for EXSC 755, Ecological Momentary Assessment in Health Behavior Research Nov. 2023
Department of Exercise Science, University of South Carolina Nov. 2022

***Statistics, Power, and Study Design*** Oct. 2023
Co-presented to the Propel Research Mentor Program
Office of the Vice President of Research, University of South Carolina

***Enhancing Research Designs: Mediation*** Apr. 2023
Guest lecture for PSYC 772, Research Approaches to Human Behavior
Department of Psychology, University of South Carolina

***Introduction to Time-Varying Mediation Analysis for Intensive Longitudinal Data*** Apr. 2023
Workshop presented at the Society for Behavioral Medicine annual meeting, Phoenix, AZ

***Time-Varying Mediation Analysis: Application to a Smoking Cessation Intervention*** June 2022
Presented virtually at Fox Chase Cancer Center, Philadelphia, PA

***Introduction to Time-Varying Mediation Analysis with Application to Prevention Research*** May 2022
Workshop presented at the 30th annual meeting of the Society for Prevention Research, Seattle, WA

***Functional Mediation Analysis: Application to a Smoking Cessation Intervention*** Apr. 2022
Presented at the Dept. of Psychology, University of South Carolina

***A Causal Approach to Functional Mediation Analysis with Application to a Smoking Cessation Intervention*** Feb. 2022
Presented virtually to the Dept. of Biostatistics, Yale University

***Time-Varying Mediation Analysis with Application to a Smoking Cessation Intervention*** Feb. 2022
Presented at the Dept. of Psychology, University of South Carolina

***State-of-the-Art Strategies for Addressing Selection Bias when Comparing Two or More Treatment Groups*** Sept. 2021
Workshop co-presented virtually to the Central Indiana Chapter of the American Statistical Association

***State-of-the-Art Strategies for Addressing Selection Bias when Comparing Two or More Treatment Groups*** Jun. 2021
Workshop co-presented virtually to the Oklahoma Chapter of the American Statistical Association

***Time-Varying Mediation Analysis with Application to Smoking Cessation Interventions*** Apr. 2021
Presented virtually at the Committee on Quantitative Methods Workshop
University of Chicago

***Guidelines for Using State-of-the-Art Methods to Estimate Propensity Score and Inverse Probability of Treatment Weights when Drawing Causal Inferences*** Dec. 2020
Workshop co-presented virtually to the Princeton-Trenton Chapter of the American Statistical Association

***Time-Varying Mediation Analysis with Application to Smoking Cessation Interventions*** Nov. 2020
Presented virtually at the Department of Psychology Quantitative Seminar
University of California, Davis

***Guidelines for Using State-of-the-Art Methods to Estimate Propensity Score and Inverse Probability of Treatment Weights when Drawing Causal Inferences*** Nov. 2020
Workshop co-presented virtually to the NYC Chapter of the American Statistical Association

***Estimating Propensity Scores for Binary, Multinomial, and Continuous Exposures Using twang*** Oct. 2020
Workshop co-presented virtually for the Society of Epidemiological Research

***Causal Inference Using the R twang Package for Mediation and Continuous Exposures*** Mar. 2020
Tutorial presented at the Eastern North American Region Virtual Meeting

***Introduction to Time-varying Mediation Analysis with Application to Smoking Cessation Research*** Mar. 2020
Workshop presented at the 26th annual meeting of the Society for Research on Nicotine and Tobacco, New Orleans, LA

***Introduction to Causal Effect Estimation and Omitted Variable Analysis*** Jan. 2020
Workshop co-presented at the 13th International Conference on Health Policy Statistics, San Diego, CA

***Introduction to Causal Mediation Methods for Substance Use Research*** Oct. 2019
Workshop presented at the Addiction Health Services Research conference, Park City, UT

***Time-Varying Mediation Analysis with Application to Smoking Cessation Interventions*** Sept. 2019
Presented at the Center for Tobacco Research Interventions, University of Wisconsin, Madison

***Causal Mediation Analysis*** July 2019
Presented at the Center for Causal Inference Summer Institute
Rutgers University, New Brunswick, NJ

***Propensity Score Methods for Causal Inference*** Feb. 2019
Presented at Pennsylvania State University, State College, PA

***Estimating Causal Effects of Continuous Exposures in Childhood Obesity Research*** May 2018
Presented at the Center for Obesity Research and Education, Temple University, Philadelphia, PA

***Estimating Causal Effects of Continuous Exposures*** Mar. 2018
Presented at Fox Chase Cancer Center, Philadelphia, PA

***Practical Methods for Causal Inference with Application to HIV Research*** Nov. 2017
Presented at Rory Meyers College of Nursing, Center for Drug Use and HIV | HCV Research, New York University, New York, NY

***Mediation Analysis Using R*** July 2016
Two-day workshop presented at Friedrich Alexander University of Erlangen – Nuremburg, Germany

***Propensity Score Methods in Suicide Prevention Research*** Mar. 2016
Presented at the National Institutes of Health Office of Disease Prevention Pathways to Prevention Workshop on Advancing Research to Prevent Youth Suicide

***Novel Methods to Identify Momentary Risk States for Stress & Physical Inactivity*** Dec. 2015
Presented at the Prevention Science Methodology Group

***Advances in and Applications of Causal Mediation Analysis Methods*** Dec. 2015
Presented at the Department of Epidemiology & Biostatistics, Temple University, Philadelphia, PA

***Advances in and Applications of Causal Mediation Analysis Methods*** Nov. 2015
Presented at the Department of Psychology, Rutgers University, Camden, NJ

***Advances in and Applications of Causal Mediation Analysis Methods*** Nov. 2015
Presented at the Department of Psychology, Fordham University, New York, NY

***Identifying Effective Treatment and Health Services in Substance Abuse Research Using Observational Data*** Oct. 2015
Workshop presented at the Addiction Health Services Research conference, Marina del Rey, CA

***Estimating Causal Effects of Continuous Exposures*** Oct. 2015
Presented at RAND Corporation, Santa Monica, CA

***Ethical Issues in Big Data Research*** Feb. 2015
Presented at the Office of Research Protections Scholarship and Research Ethics Brown Bag Series, Penn State University, University Park, PA

***Advances in and Applications of Causal Mediation Analysis*** Feb. 2015
Presented at the Department of Psychology, City University of New York-Brooklyn College, NY

***Machine Learning Methods to Estimate Propensity Scores in Causal Mediation Analysis*** Dec. 2014
Presented at the Department of Statistics, Pennsylvania State University, University Park, PA

***Advances in and Applications of Causal Mediation Analysis*** Dec. 2014
Presented at the Department of Psychology, Oklahoma State University, Stillwater, OK

***Advances in and Applications of Causal Mediation Analysis*** Nov. 2014
Presented at the Department of Psychology, University of Nebraska, Lincoln, NE

***Advances in and Applications of Causal Mediation Analysis*** Nov. 2014
Presented at the Department of Psychology, Utah State University, Logan, UT

***Machine Learning Methods to Estimate Propensity Scores in Causal Mediation Analysis*** Oct. 2014
Presented at the School of Criminal Justice, Michigan State University, East Lansing, MI

***Propensity Score Methods for Causal Inference*** Jul. 2014
Two-day workshop presented at Friedrich Alexander University of Erlangen – Nuremburg, Germany

***Machine Learning Methods for Estimating Propensity Scores and Other Advances in Causal Mediation*** May 2014
Presented at the Department of Human Development and Family Studies, Penn State University, University Park, PA

***An Overview of Causal Inference Methods with Application to Studying Physical Activity*** Mar. 2014
Presented at the Department of Kinesiology, Penn State University, University Park, PA

***Assessing Causal Mediation of the RRR Intervention on Sexual Risk Behavior Among Recently Released Female Prisoners*** Nov. 2013
Presented at the National Institute on Drug Abuse Prevention Research Branch Seminar

***Big Data: Opportunities and Challenges*** Oct. 2013
Presented at the National Cancer Institute Science of Research and Technology Branch Big D.A.T.A. (Data And Theory Advancement) Workshop, National Institutes of Health

***Comparison of Potential Outcome Approaches for Assessing Causal Mediation*** Oct. 2013
Presented at the Prevention Science and Methodology Group

***Causal Inference*** Feb. 2013
Guest lecture for graduate course on Childhood Obesity, Penn State University, University Park

***Methodology Workshop: Propensity Score Methods for Estimating Causality in the Absence of Random Assignment: Applications for Child Care Policy Research*** Oct. 2012
Presented at the Annual Meeting of the Child Care Policy Research Consortium, Bethesda, MD

***Propensity Score Methods for Causal Inference*** Jun. 2012
Two-day workshop presented for Methods Work, Chicago, IL

***Propensity Score Methods for Causal Inference*** Jun. 2012
Two-day workshop presented for the Penn State Methodology Center Summer Institute on Innovative Methods

***Assessing Mediation Using Propensity Scores*** Mar. 2012
Guest lecture for graduate course on Mediation Analysis. Arizona State University, Tempe, AZ

***Assessing Causal Mediation of the RRR Intervention on Sexual Risk Behavior Among Recently Released Female Prisoners*** Dec. 2011
Presented at the School of Social Work, Columbia University, New York, NY

***Do Mothers' Eating Behaviors Cause Daughters' Dieting? Drawing Causal Inferences from the Girls' Needs Study*** Nov. 2011
Presented at the Department of Nutritional Sciences, Penn State University, University Park, PA

***Propensity Score Methods*** Nov. 2011
Invited preconference workshop presented at the meeting of the American Society of Criminology, Washington, DC

***Causal Inference for Prevention Intervention Studies*** Sept. 2009
Invited talk presented at the meeting of the Methodology & Evaluation Group of the German Psychological Association, Bielefeld, Germany

***Practical Tools for Causal Inference in Prevention Studies*** Sept. 2009
Invited preconference workshop presented at the meeting of the Methodology & Evaluation group of the German Psychological Association, Bielefeld, Germany

***Mediation Analysis*** Mar. 2008
Invited guest lecture for advanced undergraduate course in physical activity interventions. Penn State University, University Park, PA

***Residual Diagnostics and Individual Fit Indices for Evaluating Latent Growth Curve Models*** Mar. 2007
Department of Psychology, Arizona State University, Tempe, AZ

***Individual Fit Indices for Evaluating Growth Curve Models*** Apr. 2006
Department of Psychology, James Madison University, Harrisonburg, VA.

***Using Parcels in Structural Equation Models*** Feb. 2006
Invited guest lecture for graduate course in structural equation modeling. Penn State University, University Park, PA

***Sample Size and Power Estimation*** Nov. 2004
Invited guest lecture for graduate research methods course. Nov. 2005
University of North Carolina, Chapel Hill, NC

## CONFERENCE PRESENTATIONS

**Coffman, D. L.** (2025, Dec.). *Causal Mediation Analysis for Optimizing Interventions Using Factorial Designs.* To be presented at the 19th Joint Conference of Computational and Financial Econometrics and Computational and Methodological Statistics, London, UK.

Johnson, T. C., Hagen, C., **Coffman, D. L.**, Carlson, E. S. R., Vaid, A., Nunn, M., Schmidt-Read, M., Heath, K. M., Marino, R. J., Hiremath, S.V. (2025, Sept.). *Sensor-Derived Features and Classification Algorithms for Assessing Upper Extremity Function in Cervical Spinal Cord Injury*. Presented at the Academy of Spinal Cord Injury Professionals Annual Conference + Expo, Philadelphia, PA.

Johnson, T. C., Hagen, C., **Coffman, D. L.**, Carlson, E. S. R., Vaid, A., Nunn, M., Schmidt-Read, M., Heath, K. M., Marino, R. J., Hiremath, S.V. (2025, Aug.). *Linking wearable sensor data to upper extremity function in cervical spinal cord injury*. Presented at the Paralyzed Veterans of America Healthcare Summit, New Orleans.

Johnson, T. C., **Coffman, D. L.**, Hiremath, S. V. (2024, Nov.). *Text mining of reddit data to explore priorities and experiences of individuals with cervical spinal cord injury*. Poster presented at 101st annual conference of the American Congress of Rehabilitative Medicine, Dallas, TX.

Li, J., & *__Coffman, D. L.__ (2024, July). *An estimation approach for time-varying effect models using cubic splines*. Paper presented at the 2024 meeting of the International Society for Data Science and Analytics, Vienna, Austria. *presenting author

Li, J., & **Coffman, D. L.** (2024, June). *An estimation approach for time-varying effect models using cubic splines*. Paper presented at the Modern Modeling Methods conference, Storrs, CT.

Campen, C., & **Coffman, D. L.** (2024, June). *Multiple imputation of functional data with application to smoking cessation*. Poster presented at the Modern Modeling Methods conference, Storrs, CT.

Aggarwal, A., Jongerling, J., Vogelsmeier, L., **Coffman, D.**, Ghosh, S., Ti-Chen, S., Qiao, S., Weist, M., Li, X., & Yang, C.-H. (2024, June). *Momentary self-control mediates the association between momentary mindfulness and affect or*

*cognition: A cross-cultural ecological momentary assessment study*. Paper presented at the 2024 Society of Ambulatory Assessment Conference, Ann Arbor, MI.

Johnson, T. C., Hagen, C., **Coffman, D. L.**, Carlson, E. S. R., Vaid, A., Nunn, M., Schmidt-Read, M., Heath, K. M., Marino, R. J., & Hiremath, S. V. (2024, April). *Evaluating sensor-derived features as indicators of upper extremity function in cervical spinal cord injury*. Paper presented at the American Society of Biomechanics East Coast Meeting, Rochester, NY.

Hagen, C., Johnson, T. C., **Coffman, D. L.**, Carlson, E. S. R., Vaid, A., Nunn, M., Schmidt-Read, M., Heath, K. M., Marino, R. J., & Hiremath, S. V. (2024, April). *Personalized machine learning models for estimating arm and hand use in individuals with cervical spinal cord injury*. Paper presented at the American Society of Biomechanics East Coast Meeting, Rochester, NY.

Ogoe, A., Carskadon, M., Wing, R., Hawley, N., Raynor, H. A., Hart, C. N., Jelalian, E., **Coffman, D. L.**, (2024, Mar.). *Assessing the impact of a behavioral sleep intervention on daily physical activity and TV viewing*. Poster presented at the 45th annual meeting of the Society of Behavioral Medicine, Philadelphia, PA.

Yang, C.-H., Ghosal, R., Lee, J., Pellegrini, C., & **Coffman, D. L.** (2024, Mar.). *Associations between daily movement activity bout distribution and cognition in older adults using ecological momentary assessment.* Presented at the 45th annual meeting of the Society of Behavioral Medicine, Philadelphia, PA.

Johnson, T. C., Hagen, C., **Coffman, D. L.**, Carlson, E. S. R., Nunn, M., Schmidt-Read, M., Heath, K. M., Marino, R., & Hiremath, S. V. (2024). *Wearable sensor-based approaches for assessing upper extremity function and activity in individuals with cervical spinal cord injury.* Presented at the ActiGraph Digital Data Summit, Pensacola, FL

Johnson, T. C., Hagen, C., **Coffman, D. L.**, Carlson, E. S. R., Nunn, M., Schmidt-Read, M., Heath, K. M., Marino, R., & Hiremath, S. V. (2023, Aug.). *Leveraging wearable sensor technology, feature engineering, and machine learning techniques to monitor upper extremity function and activity after cervical spinal cord injury*. Poster presented at the Military Health System Research Symposium, Kissimmee, FL.

Canori, A., Wright, W. G., **Coffman, D. L.**, & Hiremath, S. V. (2023, July). *Differential responses of chronic pain phenotypes during virtual reality exposure: a pilot study*. Presented at the 2023 World Congress for the International Society for Virtual Rehabilitation, Montreal, Canada.

Canori, A., Wright, W. G., **Coffman, D. L.**, & Hiremath, S. V. (2023). *Chronic pain phenotype response during virtual reality exposure: A pilot study.* Presented at the Philadelphia Chapter of the Society for Neuroscience annual meeting, Philadelphia, PA.

**Coffman, D. L.**, Huffnagle, N., & Piper, M. E. (2023, June). *Time-varying effects and mediation of physical activity on smoking cessation*. Paper presented at the International Society of Behavioral Nutrition and Physical Activity annual meeting, Uppsala, Sweden.

Hart, C. N., **Coffman, D. L.**, Carskadon, M. A., Raynor, H. A., Jelalian, E., Owens, J. A., Hawley, N. L., & Wing, R. R. (2023, June). *Earlier bedtimes mediate the effect of a brief behavioral intervention on children's BMIz*. Paper presented at the SLEEP 2023 37th annual meeting, Indianapolis, IN.

Forman, E. M., Berry, M. P., Chwyl, C., **Coffman, D. L.**, Karbassi, N., Sun, J., Taylor, L., Butryn, M. L., Juarascio, A. S., Hagerman, C. J., & Manasse, S. M. (2023, April). *Evaluating the efficacy of mindfulness and acceptance-based treatment components for weight loss*. Paper presented at the 44th annual meeting of the Society of Behavioral Medicine, Phoenix, AZ.

Hiremath, S. V., Marino, R. J., **Coffman, D. L.**, Karmarkar, A. M.,& Tucker, C. (2022, Nov.). *Evaluating associations between trauma-related characteristics and functional recovery in individuals with spinal cord injury*. Presented at the American Congress of Rehabilitation Medicine annual conference, Chicago, IL.

Tripicchio, G. L., Croce, C. M., **Coffman, D. L.**, Hart, C. N., Raynor, H. A., Berge, J. M., & Fisher, J. O. (2022, Nov.). *Late-night snacking, added sugar intake, and obesity risk in U.S. adolescents.* Presented at The Obesity Society Annual Meeting, San Diego, CA.

**Coffman, D. L.** (2022, Jun.). *A causal approach to functional mediation analysis with application to a smoking cessation intervention.* Invited paper presented at the 31st International Chinese Statistical Association Symposium, Gainesville, FL.

Zhou, H., **Coffman, D. L.**, Schuler, M. S., Castellano, K., & McCaffrey, D. F. (2022, Jun.). *Survey weighting strategies for causal mediation analysis.* Invited paper presented at the 31st International Chinese Statistical Association Symposium, Gainesville, FL.

Chakraborti, Y., **Coffman, D. L.**, Litson, K., & Piper, M. E. (2022, Jun.). *Using mixture models to identify smoking cessation profiles based on self-efficacy, positive expectancy, motivation, and cessation fatigue: An exploratory latent profile and latent transition analysis*. Presented at the Society for Epidemiological Research Annual Meeting, Chicago, IL.

Kim, N., **Coffman, D. L.**, Piper, M. E., Baker, T., Bolt, D., & McCarthy, D. (2022, Mar.). *Time-varying mediators of pre- and post-quit nicotine patch therapy in adults attempting to quit smoking with varenicline.* Poster presented at the 28th annual meeting of the Society for Research on Nicotine and Tobacco, Baltimore, MD.

Chakraborti, Y., **Coffman, D. L.**, Litson, K., & Piper, M. E. (2022, Mar.). *Using mixture models to identify smoking cessation profiles based on self-efficacy, positive expectancy, motivation, and cessation fatigue: An exploratory latent profile and latent transition analysis*. Poster presented at the 28th annual meeting of the Society for Research on Nicotine and Tobacco, Baltimore, MD.

Hart, C. N., Phelan, S., **Coffman, D. L.**, Jelalian, E., Ventura, A. K., Hodges, E., Hawley, N., Fisher, J. O., & Wing, R. R. (2021, Nov.). *Mother-toddler mealtime interactions and toddler growth through three years.* Poster presented at The Obesity Society Annual Meeting, Virtual.

Croce, C., Fisher, J. O., Tripicchio, G., & **Coffman, D. L.** (2021, Oct.). *Association of snacking with weight status among US preschool children, 2-5 years.* Presented at the 2021 Food and Nutrition Conference and Expo, Virtual.

**Coffman, D. L.**, Dziak, J. J., Chakraborti, Y., & Piper, M. E. (2021, Aug.). *A causal approach to functional mediation analysis with application to a smoking cessation intervention*. Topic-contributed paper presented at the Joint Statistical Meetings, Virtual.

Croce, C., Tripicchio, G., **Coffman, D. L.**, Davey, A., Bailey, R., & Fisher, J. O. (2021, June). *Association of weight status with the types and quantities of foods consumed at snacking occasions among US adolescents*. Presented at the American Society of Nutrition's NUTRITION 2021, Virtual.

Griffin, B. A., Ayer, L., Pane, J., Vegetabile, B. G., Burgette, L. F., McCaffrey, D. M., **Coffman, D. L.**, Cefalu, M., Funk, R., Godley, M. (2020, Oct.). *Expanding outcomes when considering the relative effectiveness of two evidence-based outpatient treatment programs for adolescents*. Poster presented at the Addiction Health Services Research annual meeting, Virtual.

Chakraborti, Y., & **Coffman, D. L.** (2020, Oct.). *Time-varying mediation of negative affect on smoking status: An exploratory analysis.* Poster presented at the Women in Statistics and Data Science conference, Virtual.

Cabel, D., **Coffman, D. L.**, Mennis, J., Mason, M., & Chakraborti, Y. (2020, Oct.). *Smoking cessation with a time-varying mediation effect model.* Poster presented at the Women in Statistics and Data Science conference, Virtual.

Vegetabile, B. G., **Coffman, D. L.**, Schuler, M. S., & McCaffrey, D. F. (2020, Aug.). *Identifying potential mediating variables using variable importance measures.* Paper presented at the Joint Statistical Meetings, Virtual.

Zhu, Y., Ye, Z., & **Coffman, D. L.** (2020, Aug.). *Variable selection for causal mediation analysis using LASSO-based methods*. Paper presented at the Joint Statistical Meetings, Virtual.

Cai, X., Cox, R., & **Coffman, D. L.** (2020, Aug.). *Estimation and inference for time-varying mediation model with binary outcomes*. Paper presented at the Joint Statistical Meetings, Virtual.

**Coffman, D. L.**, Griffin, B. A., McCaffrey, D. F., & Vegetabile, B. G. (2020, Aug.). *Estimating causal effects of continuous exposures: Comparing the relative performance of commonly used methods.* Invited poster presented at the Joint Statistical Meetings, Virtual.

**Coffman, D. L.**, *Vegetabile, B. G., & McCaffrey, D. F. (2020, July). *Identifying potential mediators of prevention interventions using variable importance measures.* Paper presented at the 28th annual meeting of the Society for Prevention Research, Virtual. *presenting author

Xu, S., Niaura, R., ***Coffman, D. L.***, Liu, B., He, J., & Xu, Y. (2020, Mar.). *Causal relationship between e-cigarette use and subsequent cigarette initiation among U.S. youth: A propensity score analysis using data of the PATH study.* Poster presented at the 26th annual meeting of the Society for Research on Nicotine and Tobacco, New Orleans, LA. *presenting author

Scribner, S., Grunwald, H., & **Coffman, D. L.** (2019, Nov.). *Geospatial prescribing patterns of opioids and benzodiazepines across the state of New Jersey from 2015-2018.* Poster presented at the annual meeting of the American Public Health Association, Philadelphia, PA.

Scribner, S., Grunwald, H., & **Coffman, D. L.** (2019, Nov.). *Secondary analysis of deidentified opioid abuse recovery program data.* Poster presented at the annual meeting of the American Public Health Association, Philadelphia, PA.

Batista Oliva, I., **Coffman, D. L.**, Manasse, S., & Forman, E. (2019, Nov.). *Behavioral interventions for weight loss: Analysis from ecological momentary assessment (EMA) data.* Presented at the annual meeting of the American Public Health Association, Philadelphia, PA.

**Coffman, D. L.**, Dziak, J. J., Li, R., & Piper, M. E. (2019, Sept.). *A new approach to functional mediation analysis with application to a smoking cessation intervention.* Poster presented at the First Penn Conference on Big Data in Population Health Sciences, University of Pennsylvania, Philadelphia, PA.

Griffin, B. A., Robbins, M., **Coffman, D. L.**, Vegetabile, B. G., & McCaffrey, D. F. (2019, Aug.). *Estimating generalized propensity scores (GPS) with survey and nonresponse data.* Paper presented at the Joint Statistical Meetings, Denver, CO.

**Coffman, D. L.**, Dziak, J. J., Li, R., & Piper, M. E. (2019, Aug.). *A new approach to functional regression mediation analysis with application to a smoking cessation intervention.* Paper presented at the Joint Statistical Meetings, Denver, CO.

Cai, X., **Coffman, D. L.**, Piper, M. E., & Li, R. (2019, Aug.). *Estimation and inference for the mediation effect in a time-varying mediation model.* Paper presented at the Joint Statistical Meetings, Denver, CO.

Xu, S., Liu, B., Xu, Y., He, J., Niaura, R., & **Coffman, D. L.** (2019, Aug.). *Causal relationship between ENDS use and subsequent cigarette initiation among adolescents: A propensity score analysis using data of the PATH study.* Poster presented at the Joint Statistical Meetings, Denver, CO.

Vegetabile, B. G., **Coffman, D. L.**, & McCaffrey, D. F. (2019, Aug.). *Causal mediation analysis using gradient boosting machines: Developing methods and software.* Poster presented at the Joint Statistical Meetings, Denver, CO.

**Coffman, D. L.**, Cai, X., Piper, M. E., & Li, R. (2019, Jun.). *Estimation and inference for the time-varying mediation effect of a smoking cessation intervention.* Poster presented at the Society for Epidemiological Research 52nd Annual Meeting, Minneapolis, MN.

Gutman, A., **Coffman, D. L.**, Grunwald, H., & Burris, S. (2018, Nov.). *Exploring the relationship between the restrictiveness of methadone state laws and access to medication-assisted treatment for opioid use disorder.* Paper presented at the annual meeting of the American Public Health Association, San Diego, CA.

Collins, B. N., Nair, U. S., & **Coffman, D. L.** (2018, Aug.). *Counseling to reduce child tobacco smoke exposure promotes sustained cotinine reduction and bioverified maternal quit status among maternal smokers not intending to quit.* Paper presented at the 32nd annual conference of the European Health Psychology Society, Galway, Ireland.

Lepore, S. J., Collins, B. N., & **Coffman, D. L.** (2018, Aug.). *Self-efficacy mediates effects of multilevel, pediatric-office based intervention on bioverified smoking cessation among low-income parents.* Paper presented at the 32nd annual conference of the European Health Psychology Society, Galway, Ireland.

**Coffman, D. L.**, Cai, X., Piper, M. E., & Li, R. (2018, Aug.). *Estimation and inference for the mediation effect in a time-varying mediation model.* Paper presented at the Joint Statistical Meetings, Vancouver, BC.

**Coffman, D. L.**, & Schuler, M. S. (2018, Jun.). *Assessing covariate balance for clustered data with continuous exposures.* Invited paper presented at the 27th International Chinese Statistical Association Symposium, New Brunswick, NJ.

**Coffman, D. L.** (2018, Jun.). *Analysis of data from wearable devices*. Invited discussant at the 27th International Chinese Statistical Association Symposium, New Brunswick, NJ.

**Coffman, D. L.**, Cai, X., Piper, M. E., & Li, R. (2018, Jun.). *Estimation and inference for the time-varying mediation effect of a smoking cessation intervention.* Poster presented at the 7th Annual Thomas R. Ten Have Symposium on Statistics in Mental Health, Chicago, IL.

Lepore, S. J., Collins, B. N., Nair, U. S., Winickoff, J., & **Coffman, D. L.** (2018, Apr.). *Long-term results of a pediatric trial to reduce child second-hand smoke exposure and promote smoking cessation.* Paper presented at the 39th annual meeting of the Society of Behavioral Medicine, New Orleans, LA.

Lepore, S. J., Collins, B. N., Winickoff, J., **Coffman, D. L.**, Nair, U. S., & Godfrey, M. (2018, Feb.). *Self-efficacy mediates long-term effects of a multilevel, pediatric-office based intervention on smoking cessation among low-income parents*. Paper presented at the 24th annual meeting of the Society for Research on Nicotine and Tobacco, Baltimore, MD.

**Coffman, D. L.**, & Zhou, J. (2018, Jan.). *Addressing missing data in confounders when estimating propensity scores for continuous exposures.* Paper presented at the 12th International Conference on Health Policy Statistics, Charleston, SC.

**Coffman, D. L.**, & Cai, X. (2017, Aug.). *Feature construction for automatic detection of stress and anxiety*. Invited paper presented at the Joint Statistical Meetings, Baltimore, MD.

Collins, B. N., Lepore, S. J., & **Coffman, D. L.** (2017, Mar.) *Kids safe and smokefree: Parents self-efficacy, not coping skills or home smoking restrictions, mediates counseling treatment effects on low-income parents' smoking cessation*. Paper presented at the 23rd annual meeting of the Society for Research on Nicotine and Tobacco, Florence, Italy.

Lepore, S. J., Collins, B. N., & *__Coffman, D. L.__ (2017, Mar.). *Psychological and behavioral mediators of a multilevel intervention to reduce tobacco smoke exposure in low-income children living with a smoker.* Paper presented at the 23rd annual meeting of the Society for Research on Nicotine and Tobacco, Florence, Italy. *presenting author

**Coffman, D. L.**, Leonard, N., Fletcher, R., Cleland, C., & Gwadz, M. (2016, Oct.). *A pipeline for processing and modeling electrodermal activity data collected in an ambulatory setting.* Poster presented at the Wireless Health Conference, Bethesda, MD.

**Coffman, D. L.**, Cai, X., Leonard, N., Fletcher, R., Cleland, C., & Gwadz, M. (2016, Sept.). *Modeling electrodermal activity data collected in an ambulatory setting.* Paper presented at the Developmental Methods conference, Whitefish, MT.

Leonard, N., *__Coffman, D. L.__, Fletcher, R., & Gwadz, M. (2016, Apr.). *Usage and acceptance of an mHealth technology for enhancing a provider-delivered parenting intervention.* Poster presented at the 37th annual meeting of the Society of Behavioral Medicine, Washington, DC. *presenting author

**Coffman, D. L.**, Leonard, N., Cleland, C., Gwadz, M., & Fletcher, R. (2015, Nov.). *Analysis of electrodermal activity collected via a biosensor.* Poster presented at the Big Data to Knowledge All Hands Grantee Meeting, National Institutes of Health, Bethesda, MD.

Schuler, M., Chu, W., & **Coffman, D. L.** (2015, Oct.). *Propensity score weighting methods for a continuous treatment in a multilevel data setting.* Poster presented at the 11th International Conference on Health Policy Statistics, Providence, RI.

**Coffman, D. L.**, & Zhou, J. (2015, Aug.). *Comparison of approaches for handling missingness in covariates for propensity score models*. Paper presented at the Joint Statistical Meetings, Seattle, WA.

**Coffman, D. L.**, Leonard, N., Fletcher, R., Cleland, C., Salaam, R., & Gwadz, M. (2015, Jun.). *Functional data analysis of electrodermal activity collected via a biosensor.* Paper presented at the 4th biennial meeting of the Society of Ambulatory Assessment, State College, PA.

**Coffman, D. L.**, Leonard, N., Gwadz, M., Cleland, C., & Fletcher, R. (2015, Jun.). *Electrodermal activity collected via a biosensor.* Poster presented at the BD2K Workshop on Causal Discovery with Biomedical Data, Pittsburgh, PA.

**Coffman, D. L.**, Schuler, M., & Chu, W. (2015, May). *Propensity score methods for assessing causal mediation in cluster-randomized substance use prevention interventions*. Paper presented at the 23rd Annual Meeting of the Society for Prevention Research, Washington, DC.

Bray, B. C., Lanza, S. T., & **Coffman, D. L.** (2015, May). *Estimating causal effects with latent class variables: Exposures and outcomes*. Paper presented at the 23rd Annual Meeting of the Society for Prevention Research, Washington, DC.

Henneberger, A. K., Zheng, Y., & **Coffman, D. L.** (2015, Mar.). *Alcohol use as a mechanism for criminal justice involvement from adolescence into adulthood: Strengthening causal interpretations.* Paper presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.

Henneberger, A. K., Gest, S. D., & **Coffman, D. L.** (2014, May). Peer socialization of aggressive behavior in elementary school: Using propensity scores to strengthen causal inference. In A. K. Henneberger (Chair), *Preventing risky behavior across development: Applying innovative longitudinal methods to strengthen prevention science.* Panel discussion at the 22nd annual meeting of the Society for Prevention Research, Washington, DC.

Conroy, D. E., **Coffman, D. L.**, Pincus, A. L., & Ram, N. (2014, Apr.). *Daily physical activity and alcohol use in a lifespan sample of community-dwelling adults*. Poster presented at the 35th annual meeting of the Society of Behavioral Medicine, Philadelphia, PA.

**Coffman, D. L.**, Savage-Williams, J., & Birch, L. (2014, Apr.). *Using propensity methods to assess causal effects of mothers' dieting behavior on daughters' early dieting behavior*. Paper presented at the 35th annual meeting of the Society of Behavioral Medicine, Philadelphia, PA.

Henneberger, A. K., **Coffman, D. L.**, & Gest, S. D. (2014, Mar.). *The causal effect of peer socialization on prosocial behavior in early adolescence*. Poster presented at the 2014 Society of Research on Adolescence Biennial Meeting, Austin, TX.

Henneberger, A. K., Gest, S. D., & **Coffman, D. L.** (2014, Mar.). *Peer influence on aggressive behavior in early adolescence: Strengthening causal inference*. Paper presented at the 2014 Society of Research on Adolescence Biennial Meeting, Austin, TX.

Scalco, M., Trucco, E., **Coffman, D. L.**, & Colder, C. (2014, Mar.). *Selection and socialization effects in early adolescent alcohol use: A propensity score analysis*. Paper presented at the 2014 Society of Research on Adolescence Biennial Meeting, Austin, TX.

**Coffman, D. L.**, Bray, B. C., Lanza, S. T., & Dziak, J. J. (2013, Oct.). *Estimating causal effects of latent treatments on categorical and count outcomes*. Paper presented at the 10th International Conference on Health Policy Statistics, Chicago, IL.

Bray, B. C., Lanza, S. T., & **Coffman, D. L.** (2013, Oct.). *The causal effect of substance use latent class membership on a distal outcome.* Paper presented at the 10th International Conference on Health Policy Statistics, Chicago, IL.

Ghosh, D., Zhu, Y., & **Coffman, D. L.** (2013, Aug.). *Penalized regression procedures for variable selection in the potential outcomes framework.* Paper presented at the Joint Statistical Meetings, Montreal, CA.

Zhu, Y., **Coffman, D. L.**, & Ghosh, D. (2013, Aug.). *A data-adaptive approach to modeling propensity scores for continuous treatments*. Paper presented at the Joint Statistical Meetings, Montreal, CA.

Kugler, K. C., Butera, N. M., Vasilenko, S., & **Coffman, D. L.** (2013, May). *Long-term consequences of early sexual initiation: A causal inference approach*. Paper presented at the 21st Annual Meeting of the Society for Prevention Research, San Francisco, CA.

Zheng, Y., & **Coffman, D. L.** (2013, May). *Causal inference of adolescent antisocial behavior and young adult alcohol use on adult criminal justice involvement.* Poster presented at the 21st Annual Meeting of the Society for Prevention Research, San Francisco, CA.

Lanza, S. T., Bray, B. C., & **Coffman, D. L.** (2013, May). *Causal impact of latent substance use behavior profiles on health outcomes.* Paper presented at 21st Annual Meeting of the Society for Prevention Research, San Francisco, CA.

**Coffman, D. L.**, Bray, B. C., Lanza, S. T., & Dziak, J. J. (2013, May). *Estimating the causal effect of a latent class treatment on binary and count outcomes*. Paper presented at the 21st Annual Meeting of the Society for Prevention Research, San Francisco, CA.

**Coffman, D. L.**, Zhu, Y., & Ghosh, D. (2013, May). *Propensity score estimation for continuous treatments using generalized boosted models.* Poster presented at the Atlantic Causal Inference Conference, Cambridge, MA.

Hsiao, P.-Y., **Coffman, D. L.**, Wood, G. C., Mitchell, D. C., Still, C. D., Jensen, G. L., & Hartman, T. J. (2013, Apr.). *Dietary patterns (DP) and weight change in older adults ≥ 75 years old: What's the relationship?* Presented at Experimental Biology, Boston, MA.

Wheeler, D., Jensen, G., Mitchell, D., Bailey, R., Smiciklas-Wright, H., Erickson, P., Wood, C., Still, C., **Coffman, D. L.**, Hartman, T. (2013, Apr.). *The association between diet quality and the Health and Activity Limitation Index (HALex) in the Geisinger Rural Aging Study (GRAS)*. Presented at Experimental Biology, Boston, MA.

Solmeyer, A. R., Feinberg, M. E., **Coffman, D. L.**, & Jones, D. E. (2013, Mar.). *Effects of Family Foundations on coparenting and child adjustment: A mediation analysis*. Paper symposia presented at the 2013 Biennial Meeting of the Society for Research in Child Development, Seattle, WA.

Zhu, Y., Ghosh, D., & **Coffman, D. L.** (2013, Mar.). *Improving Mediation Analysis Based on Propensity Scores*. Presented at the Eastern North American Region of the International Biometric Society, Orlando, FL.

**Coffman, D. L.**, MacKinnon, D. P., Zhu, Y., & Ghosh, D. (2013, Jan.). *Comparison of three approaches to causal mediation analysis.* Presented at the Causal Mediation Analysis Symposium, Ghent, Belgium.

Hsiao, P.-Y., Mitchell, D. C., Wood, G. C., **Coffman, D. L.**, Wheeler, D., Hartman, T. J., Still, C., Jensen, G. L. (2012, Oct.). *Association between dietary patterns in older adults and obesity-related health outcomes*. Presented at the Food & Nutrition Expo, Philadelphia, PA.

Wheeler, D., Jensen, G. L., Mitchell, D. C., Hsiao, P.-Y., Bailey, R., Smiciklas-Wright, H., **Coffman, D. L.**, Still, C., Hartman, T. J. (2012, Oct.). *Poor diet quality is associated with being underweight among older adults.* Presented at the Food & Nutrition Expo, Philadelphia, PA.

Zhu, Y., Ghosh, D., & **Coffman, D.** (2012, Aug.). *Mediation analysis based on propensity scores.* Presented at the Joint Statistical Meetings, San Diego, CA.

Lippold, M., **Coffman, D. L.**, & Greenberg, M. (2012, June). *Parental knowledge and youth risky behavior: Using propensity models to estimate causality*. Poster presented at the 20th Annual Meeting of the Society for Prevention Research, Washington, DC.

Crowley, D. M., Jones, D., Greenberg, M., & **Coffman, D. L.** (2012, June). *Evaluating the cost-effectiveness of real-world prevention efforts: Approaches for estimating the value of evidence-based programming.* Presented at the 20th Annual Meeting of the Society for Prevention Research, Washington, DC.

**Coffman, D. L.**, Savage-Williams, J., Xu, S., Lanza, S. T., & Birch, L. (2012, June). *Do mothers' eating behaviors cause daughters' dieting? Drawing causal inferences from the Girls' Needs study*. Presented at the 20th Annual Meeting of the Society for Prevention Research, Washington, DC.

**Coffman, D. L.**, MacKinnon, D. P., Zhu, Y., & Ghosh, D. (2012, June). *Comparison of three approaches to causal mediation analysis.* Poster presented at the 20th Annual Meeting of the Society for Prevention Research, Washington, DC.

Xu, S., **Coffman, D. L.**, Caldwell, L. L., & Smith, E. A. (2012, June). *HealthWise South Africa: A comparison of new causal inference approaches for assessing mediation in prevention science.* Poster presented at the 20th Annual Meeting of the Society for Prevention Research, Washington, DC.

Butera, N., Lanza, S. T., & **Coffman, D. L.** (2012, June). *Effect of early sexual debut on adolescent delinquency latent class membership.* Poster presented at the 20th Annual Meeting of the Society for Prevention Research, Washington, DC.

Zhu, Y., **Coffman, D. L.**, MacKinnon, D. P., & Ghosh, D. (2012, May). *Comparison of three approaches to causal mediation analysis.* Poster presented at the 2012 Atlantic Causal Inference Conference, Baltimore, MD.

Xu, S., Blozis, S. A., & **Coffman, D. L.** (2012, May). *Modeling longitudinal continuous variables with many zeros.* Presented at the Modern Modeling Methods Conference, Storrs, CT.

Compton, S. N., & **Coffman, D. L.** (2012, Feb.). *Novel approaches to causal mediation in the context of clinical trials*. Presented at the Society for Research in Child Development Methodology Themed conference, Tampa, FL.

Lippold, M., **Coffman, D. L.**, & Greenberg, M. (2012, Feb.). *Investigating the causal relationship between parental knowledge and youth risky behavior*. Presented at the Society for Research in Child Development Methodology Themed conference, Tampa, FL.

**Coffman, D. L.**, Powers, C. J., & Bierman, K. (2012, Feb.). *Causal mediation of inattention and aggression on substance use outcomes in the Fast Track data*. Presented at the Society for Research in Child Development Methodology Themed conference, Tampa, FL.

**Coffman, D. L.**, Melde, C., & Esbensen, F.-A. (2011, Nov.). *Assessing the mediating role of anticipated guilt on the relationship between gang membership and substance use in the presence of confounding and moderation*. Presented at the annual meeting of the American Society of Criminology, Washington, DC.

**Coffman, D. L.**, Zhong, W., & Almirall, D. (2011, June). *Causal mediation in the presence of post-treatment confounders, baseline moderators, and non-randomized treatments.* Poster presented at the 19th Annual Meeting of the Society for Prevention Research, Washington, DC.

Dziak, J. J., **Coffman, D. L.**, Lanza, S. T., & Li, R. (2011, June). *Sensitivity and specificity of information criteria.* Poster presented at the 19th Annual Meeting of the Society for Prevention Research, Washington, DC.

Xu, S., Blozis, S. A., & **Coffman, D. L.** (2011, June). *Alternative models for longitudinal variables with many zeros*. Poster presented at the 19th Annual Meeting of the Society for Prevention Research, Washington, DC.

Powers, C. J., **Coffman, D. L.**, & Bierman, K. (2011, June). *Aggressive disruptive students in restricted educational placements: Moderated influence of placement history on adolescent outcomes.* Poster presented at the 19th Annual Meeting of the Society for Prevention Research, Washington, DC.

Lanza, S. T., **Coffman, D. L.**, Xu, S., & Almirall, D. (2011, June). *Causal inference in latent class analysis.* Presented at the 19th Annual Meeting of the Society for Prevention Research, Washington, DC.

Valdes-Kroff, J., Dussias, P., Gerfen, C., Guzzardo-Tamargo, R., **Coffman, D. L.**, & Gullifer, J. (2011, June). *Costly integration of code-switched utterances: When code-switching becomes a language switching task.* Presented at the International Symposium on Bilingualism, Oslo, Norway.

**Coffman, D. L.**, & Almirall, D. (2011, May). *Causal mediation in the presence of post-treatment confounders, baseline moderators, and non-randomized treatments.* Presented at the Modern Modeling Methods Conference, Storrs, CT.

**Coffman, D. L.**, Zhong, W., & Almirall, D. (2011, May). *Assessing mediation using marginal structural models in the presence of confounding and moderation*. Poster presented at the 2011 Atlantic Causal Inference Conference, Ann Arbor, MI.

Valdes-Kroff, J., Dussias, P., Gerfen, C., Guzzardo-Tamargo, R., Gullifer, J., & **Coffman, D. L.** (2011, May). *Using experimental methods to investigate Spanish-English code-switching: Eye-tracking as a window.* Presented at the Linguistics Symposium on Romance Languages 41, Ottawa, Canada.

Hsiao, P.-Y., Mitchell, D. C., Hartman, T. J., Jensen, G. L., **Coffman, D. L.**, Still, C. D., Allman, R. M., & Sawyer, P. (2011, April). *Characterizing dietary patterns in older adults using a novel approach.* Poster presented at Experimental Biology, Washington, DC. (Finalist for Nutrition Epidemiology Research Interest Section Student Poster Competition)

Powers, C. J., **Coffman, D. L.**, & Bierman, K. (2011, April). *The impact of patterns of self contained placement on mental health outcomes: Application of structural nested mean models with time-varying moderators.* Paper symposia presented at the 2011 Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.

Crowley, D., **Coffman, D. L.**, & Feinberg, M. (2011, April). *Evaluating the role of participant attendance on program impact: Application of the potential outcomes framework to mediation analysis of prevention programs.* Paper symposia presented at the 2011 Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.

Moore, J. E., **Coffman, D. L.**, & Lanza, S. T. (2011, Apr.). *Drawing causal inferences using propensity scores.* Paper symposia presented at the 2011 Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.

Hsiao, P.-Y., Mitchell, D. C., Hartman, T. J., Jensen, G. L., **Coffman, D. L.**, Still, C. D., Allman, R. M., & Sawyer, P. (2011, Mar.). *Characterizing dietary patterns in older adults using a novel approach.* Poster presented at The Pennsylvania State University Graduate Exhibition, University Park, PA. (First place award for Health and Life Sciences category)

Valdes-Kroff, J., Dussias, P., Gerfen, C., **Coffman, D. L.**, Guzzardo-Tamargo, R., & Gullifer, J. (2011, Mar.). *Dynamic changes in the real time processing of grammatical gender in Spanish-English bilinguals*. Poster presented at the CUNY conference, New York, NY.

**Coffman, D. L.** (2010, June). *Causal inference for mediation analysis with propensity scores.* Poster presented at the 18th Annual Meeting of the Society for Prevention Research, Denver, CO.

Soli, A., Feinberg, M. E., Jones, D. E., & **Coffman, D. L.** (2010, June). *The effects of family foundations on coparenting and child adjustment: A mediation analysis.* Poster presented at the 18th Annual Meeting of the Society for Prevention Research, Denver, CO.

Hsiao, P.-Y., Mitchell, D. C., Hartman, T. J., Jensen, G. L., **Coffman, D. L.**, Still, C. D., Allman, R. M., & Sawyer, P. (2010, Apr.). *A comparison of nutrient intakes in rural/urban older adults with regional and racial differences.* Poster presented at Experimental Biology, Anaheim, CA.

Valdes-Kroff, J., **Coffman, D. L.**, Dussias, P., Gerfen, C., Gullifer, J., & Guzzardo-Tamargo, R. (2010, Mar.). *Differential processing of grammatical gender in a sentential context: Eye-tracking evidence from Spanish monolinguals and Spanish-English bilinguals*. Poster presented at the CUNY conference, New York, NY.

**Coffman, D. L.**, & Schafer, J. L. (2009, May). *At-risk causal effects in prevention research*. Presented at the 17th Annual Meeting of the Society for Prevention Research, Washington, DC.

Younker, A. S., Caldwell, L. L, **Coffman, D. L.**, & Smith, E. A. (2008, Oct.). *Factorial invariance of the free time motivation scale for adolescents.* Presented at the annual meeting of the National Recreation and Park Association, Baltimore, MD.

**Coffman, D. L.**, & Blozis, S. A. (2008, June). *Residual diagnostics for evaluating latent growth curve models.* Presented at the 73rd Annual Meeting of the Psychometric Society, Durham, NH.

**Coffman, D. L.**, Smith, E. A., & Caldwell, L. L. (2008, May). *The effects of the HealthWise intervention on condom use knowledge.* Presented at the 16th Annual Meeting of the Society for Prevention Research, San Francisco, CA.

Sharp, E., **Coffman, D. L.**, & Caldwell, L. L. (2008, Mar.). *Free time experiences and the transition into and out of substance use during adolescence.* Presented at the 2008 Biennial Meeting of the Society for Research on Adolescence, Chicago, IL.

**Coffman, D. L.**, Smith, E. A., & Caldwell, L. L. (2007, Aug.). *Examining prevention intervention effects on smoking trajectories using individual fit indices for growth curve models.* Poster presented at the 115th Annual Convention of the American Psychological Association, San Francisco, CA.

**Coffman, D. L.**, & Blozis, S. A. (2007, Aug.). *Evaluating individual fit in nonlinear growth curve models.* Poster presented at the 115th Annual Convention of the American Psychological Association, San Francisco, CA.

**Coffman, D. L.**, & BeLue, R. (2007, May). *Using item response theory to detect differential item functioning in health disparities research.* Poster presented at the 15th Annual Meeting of the Society for Prevention Research, Washington, DC.

**Coffman, D. L.** (2006, July). *Robustness of the CFI, RNI, and RMSEA point estimates and confidence intervals in covariance structure models.* Presented at the 25th Biennial Meeting of the Society for Multivariate Analysis in the Behavioural Sciences, Budapest, Hungary.

**Coffman, D. L.** (2006, June). *Consequences of violating the parameter drift assumption in covariance structure models on power analysis procedures and Type I error rates for the test of close fit.* Presented at the 71st Annual Meeting of the Psychometric Society, Montreal, Canada.

**Coffman, D. L.**, Palen, L., Patrick, M., Rhoades, B., & Ventura, A. (2006, May). *Why do high school seniors drink? Implications for a targeted approach*. Presented at the 14th Annual Meeting of the Society for Prevention Research, San Antonio, TX.

**Coffman, D. L.** (2006, Apr.). *Evaluating fit in structural equation models: Effects of model error.* Poster presented at the National Institute on Drug Abuse Research Training Institute, Bethesda, MD.

Maydeu-Olivares, A., **Coffman, D. L.**, & Hartmann, W. M. (2005, Oct.). *An asymptotically distribution free (ADF) interval estimator for coefficient alpha.* Presented at the Society of Multivariate Experimental Psychology, Lake Tahoe, CA.

**Coffman, D. L.**, & Millsap, R. E. (2005, Aug.). *Evaluating latent growth curve models using individual fit statistics.* Poster presented at the 113th Annual Convention of the American Psychological Association, Washington, D.C.

**Coffman, D. L.**, & Maydeu-Olivares, A. (2005, July). *Asymptotically distribution-free interval estimation for coefficient alpha.* Presented at the 70th Annual Meeting of the Psychometric Society, Tilburg, The Netherlands.

**Coffman, D. L.**, & MacCallum, R. C. (2003, Aug.). *Converting path analysis models into latent variable models using parcels.* Poster presented at the 111th Annual Convention of the American Psychological Association, Toronto, Canada.

**Coffman, D. L.**, & Reifsteck, J. B. (2001, Apr.). *Psychometric properties of the Students' Life Satisfaction Scale.* Poster presented at the 71st Annual Meeting of the Eastern Psychological Association, Washington, D.C.

**Coffman, D. L.**, & Gilligan, T. D. (2000, Apr.). *The relationship of social support, self-efficacy, and stress with life satisfaction among first year college students.* Poster presented at the 70th Annual Meeting of the Eastern Psychological Association, Baltimore, MD.

**Coffman, D. L.** (1999, Apr.). *The relationship of stress, social support, and self-efficacy with life satisfaction among freshman college students*. Poster presented at the 13th Annual National Conference of Undergraduate Research, Rochester, NY.

Kitsantas, A., *__Coffman, D. L.__, Gallipoli, N., Rice, S., & Valaitis, J. (1998, Aug.). *The effect of self-regulated strategies and self-efficacy perceptions on weight management.* Presented at the 12th Conference of the European Health Psychology Society, Vienna, Austria. *presenting author

## TEACHING EXPERIENCE

***Associate Professor,*** University of South Carolina, Columbia, SC

| | |
|---|---|
| Psychological Statistics (Undergraduate) | 2024 |
| Multilevel Modeling (Graduate) | 2023 & 2025 |
| Design and Analysis for Optimizing Behavioral Interventions (Graduate) | 2023 |

***Assistant Professor,*** Temple University, Philadelphia, PA

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|---|---|
| Introductory Biostatistics (Undergraduate) | 2017 |
| Data Management and Analysis (Graduate) | 2018 |
| Multivariable Biostatistics (Graduate) | 2018 & 2021 |
| Multilevel Modeling in Interdisciplinary Research (Graduate) | 2020 |

***Research Assistant Professor,*** The Pennsylvania State University, University Park, PA

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|---|---|
| Causal Inference in the Behavioral Sciences I (Graduate) | 2012 |
| Causal Inference in the Behavioral Sciences II (Graduate) | 2012 |

***Research Associate,*** The Pennsylvania State University, University Park, PA
Causal Inference in the Social Sciences (Graduate) 2010
Mediation Analysis in the Social Sciences (Graduate) 2008

***Teaching Fellow,*** The University of North Carolina, Chapel Hill, NC
Primary Instructor, Psychological Statistics (Undergraduate) 2004-2005

***Teaching Assistant,*** The University of North Carolina, Chapel Hill, NC
Factor Analysis (Graduate) 2004
Psychological Statistics (Undergraduate) 2003

***Teaching Assistant,*** The Ohio State University, Columbus, OH
Psychological Statistics (Undergraduate) 2002

***Teaching Assistant,*** James Madison University, Harrisonburg, VA
Psychological Statistics (Undergraduate) 2000
Experimental Psychology (Undergraduate) 2000-2001
Measurement Theory (Graduate) 2001
Research and Inferential Statistics (Graduate) 2001

## HONORS AND AWARDS

Temple University Department of Epidemiology and Biostatistics Teaching Award 2019

Society for Prevention Research Early Career Award 2014

National Institutes of Health (NIH) Loan Repayment Program. Continuation contract for one year. 2012

National Institutes of Health (NIH) Loan Repayment Program. Continuation contract for one year. 2011

National Institutes of Health (NIH) Loan Repayment Program. Continuation contract for one year. 2010

National Institutes of Health (NIH) Loan Repayment Program. Initial contract for two years. 2008

Society for Prevention Research ($250); Travel scholarship awarded to present research at the 16th Society for Prevention Research Annual Meeting, San Francisco, CA. 2008

National Institute on Drug Abuse ($750); Travel award to present research at the 115th Annual Convention of the American Psychological Association, San Francisco, CA. 2007

Society for Prevention Research ($400); Travel scholarship awarded to present research at the 15th Society for Prevention Research Annual Meeting, Washington, DC. 2007

National Institute on Drug Abuse ($500); Travel award to attend Research Training Institute, Bethesda, MD. 2006

University of North Carolina Graduate School ($700); Travel grant awarded to present research at the 14th International Meeting of the Psychometric Society, Tilburg, The Netherlands. 2005

Spanish Ministry of Science and Technology Grant BSO2003-08507 (awarded to Albert Maydeu-Olivares); €318 (approx. $383) travel stipend to present research at the 14th International Meeting of the Psychometric Society, Tilburg, The Netherlands. 2005

Educational Testing Service/ Psychometric Society ($500); Travel grant awarded to present research at the 70th Annual Meeting of the Psychometric Society, Tilburg, The Netherlands. 2005

L. L. Thurstone Psychometric Laboratory ($350); Travel grant awarded to present research at the 113th Annual Convention of the American Psychological Association, Washington, D.C. 2005

Spanish Ministry of Science and Technology Grant BSO2003-08507 (awarded to Albert Maydeu-Olivares); €700 (approx. $980) stipend to travel to the University of Barcelona to conduct research. 2004

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| American Psychological Association ($300); Travel grant awarded to present research at the 111th Annual Convention of the American Psychological Association, Toronto, ON | 2003 |
| James Madison University Outstanding Graduate Student Research Award | 2001 |
| James Madison University Department of Psychology ($50); Master's Thesis Research | 2000 |
| James Madison University Office of Sponsored Programs ($100); Honors Thesis Research | 1998 |

## PROFESSIONAL SERVICE: REVIEWER

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|---|---|
| Co-editor for Special Issue of *Health Services & Outcomes Research Methodology* from the International Conference on Health Policy Statistics | 2023-2025 |
| Psychological Methods journal editorial board | 2016- |
| Nursing Research journal editorial board | 2015- |
| American Statistical Association Mental Health Statistics Section student paper award reviewer | 2020 |
| Translational Behavioral Medicine journal editorial board | 2016-2018 |
| American Psychological Association Division 5 conference proposals | 2012 |
| Society for Prevention Research conference proposals | 2008-2010, 2012 |
| Society of Multivariate Experimental Psychology student conference proposals | 2003-2004 |

***Ad hoc reviewer for the following journals:***

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| *Addiction* | 2014 |
| *American Journal of Clinical Nutrition* | 2021 |
| *Annals of Epidemiology* | 2016 |
| *Annals of Behavioral Medicine* | 2016 |
| *Annals of Applied Statistics* | 2017, 2020 |
| *Behavior Research Methods* | 2012 |
| *Biometrical Journal* | 2021-2022 |
| *BMC Medical Research Methodology* | 2025 |
| *British Journal of Mathematical and Statistical Psychology* | 2012, 2013, 2016 |
| *Child Development* | 2021 |
| *Communications in Statistics: Simulation and Computation* | 2013, 2014 |
| *Computational Statistics and Data Analysis* | 2021 |
| *Developmental Psychology* | 2007-2009 |
| *Educational and Psychological Measurement* | 2010 |
| *Emerging Adulthood* | 2014, 2015 |
| *Epidemiology* | 2023 |
| *European Journal of Psychological Assessment* | 2019 |
| *Evaluation & the Health Professions* | 2017, 2018 |
| *Evaluation and Program Planning* | 2015, 2016 |
| *Evaluation Review* | 2013 |
| *Health Education Research* | 2013 |
| *Health Services & Outcomes Research Methodology* | 2014 |
| *International Journal of Biostatistics* | 2020 |
| *Journal of Adolescence* | 2009 |
| *Journal of Applied Statistics* | 2019, 2020 |
| *Journal of the American Statistical Association* | 2017 |
| *Journal of Causal Inference* | 2013 |
| *Journal of Consulting and Clinical Psychology* | 2011-2014 |
| *Journal of Educational and Behavioral Statistics* | 2014-2015, 2017-2018, 2022 |

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|---|---|
| *Journal of Educational Psychology* | 2015 |
| *Journal of Epidemiology and Population Health* | 2025 |
| *Journal of Experimental Education* | 2019 |
| *Journal of Marriage and the Family* | 2013 |
| *Journal of Medical Internet Research: Formative Research* | 2022 |
| *Journal of Medical Internet Research: mHealth & uHealth* | 2023 |
| *Journal of Medical Internet Research: Research Protocols* | 2019, 2020 |
| *Journal of the Royal Statistical Society Series B* | 2013 |
| *Journal of Substance Use and Addiction Treatment* | 2023 |
| *Journal of Traumatic Stress* | 2010, 2016 |
| *Methodology* | 2008 |
| *Multivariate Behavioral Research* | 2006, 2010, 2017, 2019-2022, 2024 |
| *Nicotine and Tobacco Research* | 2012, 2013, 2022 |
| *Nursing Research* | 2013-2014 |
| *Obesity Science & Practice* | 2017, 2019, 2021 |
| *PLOS ONE* | 2015 |
| *Population Health Metrics* | 2021 |
| *Prevention Science* | 2008-2015, 2017-2018, 2020-2021 |
| *Psychological Methods* | 2006 - 2009, 2011, 2013 |
| *Psychological Trauma: Theory, Research, Practice and Policy* | 2022 |
| *Psychology of Addictive Behaviors* | 2016 |
| *Psychometrika* | 2009, 2015 |
| *Research in Human Development* | 2008, 2009 |
| *Scandinavian Journal of Statistics* | 2012 |
| *Scientific Reports* | 2020 |
| *Social Behavior and Personality* | 2014 |
| *Social Psychiatry and Psychiatric Epidemiology* | 2017 |
| *Statistica Neerlandica* | 2007, 2008 |
| *Statistical Methods & Applications* | 2023 |
| *Statistics in Medicine* | 2018-2022 |
| *Structural Equation Modeling* | 2006, 2008, 2012, 2013 |
| *Translational Behavioral Medicine* | 2021 |

## PROFESSIONAL SERVICE: NATIONAL

| | |
|---|---|
| Society for Causal Inference Diversity, Equity, and Inclusion Committee Member | 2023-2026 |
| National Institutes of Health ad hoc grant reviewer: | 2025 |
| National Institutes of Health ad hoc grant reviewer: ZAT1 SUP (03) and ZAT1 MH (05) Exploratory Clinical Trials of Mind and Body Interventions Special Emphasis Panel | 2022-2024 |
| Atlantic Causal Inference Conference Tom Ten Have Poster Award Judge | 2018, 2019 |
| National Institutes of Health ad hoc grant reviewer: RFA-OD-17-004 ZRG1 RPHB-V 51 | 2018 |
| National Institutes of Health ad hoc grant reviewer: RFA-OD-17-004 ZRG1 RPHB-V 51 | 2018 |
| National Institutes of Health ad hoc grant reviewer: Zero Suicide RFA Special Emphasis Panel | 2016, 2017 |
| National Institutes of Health Pathways to Prevention Obesity Technical Expert Panel | 2016-2017 |
| National Institutes of Health ad hoc grant reviewer: Social Sciences and Population Studies B | 2016 |
| National Science Foundation Methodology, Measurement, and Statistics ad hoc grant reviewer | 2015, 2016, 2024 |

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| Patient-Centered Outcomes Research Institute (PCORI) ad hoc grant reviewer | 2014 |

## PROFESSIONAL SERVICE: UNIVERSITY OF SOUTH CAROLINA

| | |
|---|---|
| College of Arts & Sciences Committee on the Barnwell College Renovation | 2024-2025 |
| Department of Psychology Search Committee | 2025 |
| Department of Psychology Search Committee | 2025 |
| Department of Psychology AI Brain Health Search Committee | 2024 |
| Department of Psychology School Behavioral Health Search Committee | 2024 |
| University of South Carolina SPARC Graduate Research grant reviewer | 2024 |
| Co-organized Mini Conference on Innovative Behavioral Intervention Designs | 2023 |
| Department of Psychology Chair Search Committee | 2023 |
| University of South Carolina Discover Day Poster Judge | 2023 |
| Department of Psychology Quantitative Psychology PhD admissions committee | 2022- |
| Department of Psychology Research Committee<br>Committee Chair | 2022-2025<br>2024-2025 |
| Department of Psychology Tenure and Promotion Committee<br>Committee Chair-elect<br>Committee Chair | 2022-<br>2024-2025 |

## PROFESSIONAL SERVICE: TEMPLE UNIVERSITY

| | |
|---|---|
| Department of Epidemiology and Biostatistics Tenure and Promotion Committee | 2021 |
| Department of Epidemiology and Biostatistics Ph.D. Comprehensive Exam Committee | 2017-2022 |
| Department of Epidemiology and Biostatistics Tenure-track Biostatistics Faculty Search Committee | 2018-2022 |
| Department of Epidemiology and Biostatistics Ph.D. in Epidemiology admissions committee | 2020-2022<br>2018-2019 |
| College of Public Health Merit Committee | 2020 |
| Department of Epidemiology and Biostatistics Tenure-track Assistant Director of Biostatistics Search Committee | 2019-2020 |
| Department of Epidemiology and Biostatistics Tenure-track Epidemiology Faculty Search Committee | 2016-2020 |
| College of Public Health Research Day Poster Judge | 2019 |
| Department of Epidemiology and Biostatistics Ph.D. in Epidemiology admissions committee chair | 2017-2018 |
| PhD/MPH/MS Epidemiology and MPH Applied Biostatistics applications reviewer | 2016-2017 |
| Department of Epidemiology and Biostatistics Chair Search Committee | 2017 |

## PROFESSIONAL SERVICE: PENN STATE UNIVERSITY

| | |
|---|---|
| Prevention and Methodology Training pre-doctoral admissions committee | 2011-2014 |
| Methodology Center one-credit course coordinator | 2010-2014 |

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| Methodology Center brownbag coordinator | 2009-2014 |
| College of Health & Human Development Research Faculty Promotion Committee | 2014 |
| College of Education Special Education/Innovative Methods Faculty Search Committee | 2013 |
| Penn State Postdoctoral Exhibition Poster Judge | 2013 |
| Penn State Graduate Exhibition Poster Judge | 2012 |

## PROFESSIONAL SERVICE: OTHER

| | |
|---|---|
| Student member, local planning committee for conference: Factor Analysis at 100, University of North Carolina Chapel Hill | 2004 |
| Student member, Master of Arts in Psychological Sciences Program Committee, James Madison University | 2000-2001 |
| Virginia Junior Science and Humanities Symposium Judge | 2001 |

## MENTORING

***Doctoral Students – University of South Carolina***

| | | |
|---|---|---|
| Guyin Zhang | Dissertation Committee Member | 2025- |
| Ryan | Dissertation Committee Member | 2025- |
| Sydney Levine (Psychology) | Dissertation Committee Member | 2024- |
| Hannah Parker (Exercise Science) | Dissertation Committee Member | 2023-2025 |
| Yunhang Yin (Psychology) | Summer Research Assistant<br>Teaching Assistant | 2023<br>2024 |
| Guyin Zhang (Psychology) | Master Thesis Committee Member | 2024 |
| Dylan Wong (Psychology) | Research Assistant | 2024 |

***Undergraduate Students – University of South Carolina***

| | | |
|---|---|---|
| Cody Campen | Magellan Scholar | 2023-2025 |

***Postdoctoral Researchers – University of South Carolina***

| | | |
|---|---|---|
| Jingwei Li | | 2023-2025 |

***Doctoral Students - Temple***

| | | |
|---|---|---|
| Tessa Johnson (Neuromotor Science) | Dissertation Committee Member | 2023-2025 |
| Yajnaseni Chakraborti (Epidemiology) | Research Assistant<br>Dissertation Committee Chair | 2019-2022<br>2022-2023 |
| Alexandra Canori (Neuromotor Science) | Dissertation Committee Member | 2021-2023 |
| Elizabeth Carney (Social & Behavioral Sciences) | Dissertation Committee Member | 2021-2023 |

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|---|---|---|
| Haoyu Zhou (Epidemiology) | Research Assistant | 2021-2022 |
| Molly Beiting (Communication Science & Disorders) | F31 Co-mentor<br>Dissertation Committee Member | 2020-2022 |
| Doaa Al-Shariff (Neuromotor Science) | Dissertation Committee Member | 2019-2021 |
| Danielle Cabel (Statistics) | Research Assistant | 2019-2020 |
| Tugce Kinik (Epidemiology) | Ph.D. Faculty Advisor | 2017-2019, 2021 |
| Shannon McGinnis (Epidemiology) | Teaching Assistant<br>Dissertation Committee Member | 2018<br>2019-2020 |
| Rachel Teneralli (Health Ecology) | Dissertation Committee Member | 2018 |
| Chuck Galli (Sociology) | Dissertation Committee Member | 2017 |
| Andrew Pool (Social & Behavioral Sciences) | Dissertation Committee Member | 2016-2017 |

***Master Students - Temple***

| | | |
|---|---|---|
| Nicholas Huffnagle (Epidemiology) | Master Thesis Committee Chair | 2020-2021 |
| Christina Croce (Epidemiology) | Master Thesis Committee Chair | 2019-2020 |
| Isabela Oliva (Epidemiology) | Master Thesis Committee Chair<br>Independent Research Study | 2019-2020<br>2018 |
| Harry Zobel (Applied Biostat) | Independent Research Study | 2018 |
| Ambria Moten (Clinical/ Translational Science) | Master Thesis Committee Member | 2018 |
| Allison Kmetz (Epidemiology) | Master Thesis Committee Chair | 2017-2018 |
| Niravkumar Patel (Epidemiology) | Teaching Assistant | 2017 |
| Hillary Cuesta (Epidemiology) | Master Thesis Committee Member | 2016-2017 |

***Postdoctoral Researchers - Temple***

| | | |
|---|---|---|
| Kaylee Litson | Current position: Assistant Professor, Dept. of Psychology, University of Houston | 2019-2020 |
| Xizhen Cai | Current position: Associate Professor, Dept. of Mathematics and Statistics, Williams College | 2016-2018 |

***Doctoral Students - Penn State***

| | | |
|---|---|---|
| Yaqun Wang (Statistics) | Dissertation Committee Member | 2015 |
| Moe Kishida (Kinesiology) | Independent Research Study | 2014 |
| Tomorrow Wilson (BBH) | Prevention & Methodology Mentor | 2014 |
| Rebecca Madill (HDFS) | Dissertation Committee Member | 2014 |

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|---|---|---|
| Wanghuan Chu (Statistics) | Big Data Social Science IGERT advisor | 2013-2015 |
| | IGERT Research Rotation advisor | 2013-2014 |
| | Comprehensive Exam Committee Member | 2015 |
| | Dissertation Committee Member | 2015-2016 |
| Xiaoyu Liu (Statistics) | Research Assistant | 2013-2014 |
| Phylicia Bediako (Health Policy & Admin.) | Prevention & Methodology Training Mentor | 2013-2015 |
| Jiangxiu Zhou (BBH) | Prevention & Methodology Training Mentor | 2013-2014 |
| | Comprehensive Exam Committee Member | 2014 |
| | Dissertation Committee Co-Chair | 2014-2015 |
| Jacqueline Cox Miller (HDFS) | Comprehensive Exam Committee Member | 2012-2013 |
| | Prevention and Methodology Training Mentor | 2012-2014 |
| | Dissertation Committee Member | 2014-2015 |
| Jessica Trail (Statistics) | Comprehensive Exam Committee Member | 2012 |
| | Dissertation Committee Member | 2012-2014 |
| Jessica Lindgren Jones (Nutrition) | Comprehensive Exam Committee Member | 2012 |
| | Dissertation Committee Member | 2012-2013 |
| Yeying Zhu (Statistics) | Comprehensive Exam Committee Member | 2011 |
| | Dissertation Committee Member | 2011-2013 |
| | Research Assistant | 2011-2013 |
| | Teaching Assistant | 2012 |
| CJ Powers (Clinical Psychology) | Research Assistant | 2010-2011 |
| | Dissertation Committee Member | 2011-2012 |
| D. Max Crowley (HDFS) | Teaching Assistant | 2012 |
| Julia Moore (HDFS) | Research Assistant – Summer | 2010 |
| Stephanie Bradley (HDFS) | Prevention & Methodology Training Mentor | 2010-2011 |
| Pao-Ying Hsiao (Nutrition) | Comprehensive Exam Committee Member | 2010 |
| | Dissertation Committee Member | 2011-2012 |
| Christian Thoroughgood (I/O Psychology) | Comprehensive Exam Committee Member | 2010 |
| | Dissertation Committee Member | 2011-2013 |

***Master Students - Penn State***

| | | |
|---|---|---|
| Jonathan Reader (HDFS) | Master Thesis Committee Member | 2013-2014 |

***Postdoctoral Researchers - Penn State***

| | | |
|---|---|---|
| Megan Schuler | Current position: Health Policy Researcher, RAND<br>Previous position: Marshall J. Seidman Fellow in Health Care Policy, Harvard Medical School | 2014-2015 |
| Angela Henneberger | Current position: Research Associate Professor, University of Maryland School of Social Work & Director of Research, Maryland Longitudinal Data System Center | 2013-2014 |
| Shu (Violet) Xu | Current position: Clinical Associate Professor of Biostatistics, New York University College of Global Public Health | 2010-2012 |

## PROFESSIONAL AFFILIATIONS

American Statistical Association
Society for Prevention Research
Society for Causal Inference

## GRADUATE SCHOOL RESEARCH EXPERIENCE

***Research Assistant***
Department of Psychology, The University of North Carolina, Chapel Hill NC — 2003

***Research Assistant***
Department of Psychology, The Ohio State University, Columbus OH — 2001-2002

***Graduate Assistant***
Center for Assessment and Research Studies, James Madison University, Harrisonburg, VA — 1999-2000

## STATISTICAL CONSULTING

| | |
|---|---|
| United Mine Workers Association Health and Retirement Funds, Washington DC | 2015 |
| Department of Psychology, Wesleyan University, Middletown, CT | 2013 |
| Department of Psychology, University of Buffalo, Buffalo, NY | 2013, 2016 |
| Department of Psychology, Rutgers University, New Brunswick, NJ | 2007 |
| Center for Child and Family Policy, Duke University, Durham NC | 2005 |
| Fuqua Business School, Duke University, Durham NC | 2005 |
| Department of Psychology, The University of North Carolina, Chapel Hill NC | 2004-2005 |

## COMPUTER SKILLS

***Scientific Programming Languages***
MATLAB/Octave
Mathematica
Fortran
R
SAS/IML
Python

***Latent Variable Statistical Software***
Mx
Mplus
LatentGOLD
Tetrad
LISREL
AMOS
RAMONA
CEFA

***Data Visualization***

***General Statistical Software***
MS Excel
SPSS
SAS
STATA
SYSTAT
SPlus

***Specialized Statistical Software***
MLwiN
SuperMix
Optimal Design
MULTILOG
TESTFACT
G*power

***Document Preparation***
LaTeX
MathType

SIGMAPLOT

***Database***
SQL

MS Word
MS Visio
MS Powerpoint
EndNote