

## **CURRICULUM VITAE**

### **Kristopher J. Preacher, Ph.D.**

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\* quantitative graduate students or postdocs;

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## **ACADEMIC APPOINTMENTS**

**Professor**, Quantitative Methods, Vanderbilt University, Nashville, TN (2016 – present)

**Associate Chair**, Dept. of Psychology & Human Development, Vanderbilt University (2014 – present)

**Associate Professor**, Quantitative Methods, Vanderbilt University, Nashville, TN (2014 – 2016)

**Assistant Professor**, Quantitative Methods, Vanderbilt University, Nashville, TN (2011 – 2014)

**Assistant Professor**, Quantitative Psychology, University of Kansas, Lawrence, KS (2006 – 2011)

## **EDUCATION**

**Postdoctoral Fellowship**, Quantitative Methodology, University of North Carolina at Chapel Hill (2003 – 2006); Sponsors: Patrick J. Curran and Kenneth A. Bollen

**Ph.D.**, Quantitative Psychology, Ohio State University (1998 – 2003) (Minor: Social Psychology); Advisor: Robert MacCallum

**M.A.**, Experimental Psychology, College of William & Mary (1996 – 1998); Advisor: Constance Pilkington

**B.A.**, Psychology, North Carolina State University (1992 – 1996)

## **AWARDS AND HONORS**

**Fellow, Association for Psychological Science** (2018).

**Chancellor Faculty Fellow** (July, 2015 – June, 2017). Vanderbilt University.

**Distinguished Scientific Award for Early Career Contribution to Psychology** (Individual Differences) (2013). Awarded by the American Psychological Association (APA).

**Raymond B. Cattell Award for Outstanding Early-Career Contributions to Multivariate Experimental Psychology** (2008). Awarded by the Society of Multivariate Experimental Psychology.

**Anne Anastasi Early Career Award** (2008). Awarded by the American Psychological Association Division 5: Evaluation, Measurement, & Statistics.

**Fellow, American Psychological Association, Division 5** (2011).

**Docking Faculty Scholar Award** (2009). Awarded by the University of Kansas Endowment and the Docking Family for early career contributions.

**Postdoctoral Award for Research Excellence** (2005). University of North Carolina at Chapel Hill.

**Dissertation Award** (2004). Awarded by the American Psychological Association Division 5: Evaluation, Measurement, & Statistics.

**Herbert Toops Research Award for Creative Psychology Doctoral Dissertation Research** (2003). The Ohio State University.

**Clarivate Analytics / Thomson Reuters Top 1% Highly Cited Researcher** (2014, 2016, 2017, 2018). In recognition of ranking among the top 1% of researchers for most cited articles in Psychology and Psychiatry.

**Jeffrey S. Tanaka Award for the best paper published in 2013 in *Multivariate Behavioral Research*** (2014). Awarded by the Society of Multivariate Experimental Psychology for: Preacher, Zhang, Kim, & Mels (2013). *Choosing the optimal number of factors in exploratory factor analysis: A model selection perspective.*

**Jeffrey S. Tanaka Award for the best paper published in 2006 in *Multivariate Behavioral Research*** (2007). Awarded by the Society of Multivariate Experimental Psychology for: Preacher (2006). *Quantifying parsimony in structural equation modeling.*

**Jeffrey S. Tanaka Award for the best paper published in 2001 in *Multivariate Behavioral Research*** (2002). Awarded by the Society of Multivariate Experimental Psychology for: MacCallum, Widaman, Preacher, & Hong (2001). *Sample size in factor analysis: The role of model error.*

**Top Three Faculty Paper** (2006, 2013). Awarded by the Communication Theory and Methodology division of the Association for Education in Journalism & Mass Communication.

**Best Research Methods and Analytics Paper** (2012) American Marketing Association Marketing Educators Conference. For: Deitz, Hansen, DeCarlo, Babakus, & Preacher (2012). *Effects of store manager climate on employee commitment, customer loyalty and store financial performance.*

**Governor's Conference Award for Exemplary Service to Children & Families** (2011). Awarded by Kansas Children's Service League. For: Counts, Buffington, Chang-Rios, Rasmussen, & Preacher (2010). *The development and validation of the Protective Factors Survey: A self-report measure of protective factors against child maltreatment.*

**Best APA Division 5 Student Poster** (2011). American Psychological Association Convention. For: \*Geldhof & Preacher (2011). *Multilevel reliability estimation within a multilevel confirmatory factor analysis framework.*

**APS Student Research Award** (2008). Awarded by the Association for Psychological Science for: \*Gallagher, Lopez, & Preacher (2008). *The hierarchical structure of well-being.*

**Best Student Paper** (2008). Awarded by the Research Methods Division of the Academy of Management for: Zhang, Zyphur, & Preacher (2008). *Testing multilevel mediation using hierarchical linear models: Problems and solutions.*

**Ohio State University Merit Graduate Fellowship** (1998).

## PROFESSIONAL PUBLICATIONS

### Books

†Preacher, K. J., Wichman, A. L., MacCallum, R. C., & Briggs, N. E. (2008). *Latent growth curve modeling.* Thousand Oaks, CA: Sage Publications.

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†Translated and published in simplified Chinese by Niantao Jiang, 2012.

## Peer-Reviewed Articles in Quantitative Psychology

- Zhang, G., **Preacher, K. J.**, Hattori, M., Jiang, G., & Trichtinger, L. A. (in press). A sandwich standard error estimator for exploratory factor analysis with nonnormal data and imperfect models. *Applied Psychological Measurement*.
- Preacher, K. J.**, & Sterba, S. K. (2019). Aptitude  $\times$  treatment interactions in research on educational interventions. *Exceptional Children, 85*, 248-264.
- \*Rights, J. D., Sterba, S. K., Cho, S.-J., & **Preacher, K. J.** (2018). Addressing model uncertainty in item response theory person scores through model averaging. *Behaviormetrika, 45*, 495-503.
- \*Lachowicz, M. J., **Preacher, K. J.**, & Kelley, K. (2018). A novel measure of effect size for mediation analysis. *Psychological Methods, 23*, 244-261.
- Hattori, M., Zhang, G., & **Preacher, K. J.** (2017). Multiple local solutions and geomin rotation. *Multivariate Behavioral Research, 52*, 720-731.
- Preacher, K. J.**, Zhang, Z., & Zyphur, M. J. (2016). Multilevel structural equation models for assessing moderation within and across levels of analysis. *Psychological Methods, 21*, 189-205.
- Cho, S.-J., & **Preacher, K. J.** (2016). Measurement error correction formula for cluster-level group differences in cluster randomized and observational studies. *Educational & Psychological Measurement, 76*, 771-786.
- Merkle, E. C., You, D., & **Preacher, K. J.** (2016). Testing non-nested structural equation models. *Psychological Methods, 21*, 151-163.
- Deboeck, P., & **Preacher, K. J.** (2016). No need to be discrete: A method for continuous time mediation analysis. *Structural Equation Modeling, 23*, 61-75.
- Zhang, G., & **Preacher, K. J.** (2015). Factor rotation and standard errors in exploratory factor analysis. *Journal of Educational & Behavioral Statistics, 40*, 579-603.
- Cho, S.-J., **Preacher, K. J.**, & Bottge, B. (2015). Detecting intervention effects in a cluster randomized design using multilevel structural equation modeling. *Applied Psychological Measurement, 39*, 627-642.
- Rucker, D. D., McShane, B. B., & **Preacher, K. J.** (2015). A researcher's guide to regression, discretization, and median splits of continuous variables. *Journal of Consumer Psychology, 25*, 666-678.
- \*Lachowicz, M. J., Sterba, S. K., & **Preacher, K. J.** (2015). Investigating multilevel mediation with fully or partially nested data. *Group Processes & Intergroup Relations, 18*, 274-289.
- Preacher, K. J.**, & Hancock, G. R. (2015). Meaningful aspects of change as novel random coefficients: A general method for reparameterizing longitudinal models. *Psychological Methods, 20*, 84-101.
- \*Timmons, A. C., & **Preacher, K. J.** (2015). The importance of temporal design: How do measurement intervals affect the accuracy and efficiency of parameter estimates in longitudinal research? *Multivariate Behavioral Research, 50*, 41-55.
- Wang, L., & **Preacher, K. J.** (2015). Moderated mediation analysis using Bayesian methods. *Structural Equation Modeling, 22*, 249-263.
- Preacher, K. J.** (2015). Advances in mediation analysis: A survey and synthesis of new developments. *Annual Review of Psychology, 66*, 825-852.

- \*Pornprasertmanit, S., Lee, J., & **Preacher, K. J.** (2014). Ignoring clustering in confirmatory factor analysis: Some consequences for model fit and standardized parameter estimates. *Multivariate Behavioral Research, 49*, 518-543.
- Hayes, A. F., & **Preacher, K. J.** (2014). Statistical mediation analysis with a multicategorical independent variable. *British Journal of Mathematical & Statistical Psychology, 67*, 451-470.
- Sterba, S. K., **Preacher, K. J.**, Forehand, R., Hardcastle, E. J., Cole, D. A., & Compas, B. E. (2014). Structural equation modeling approaches for analyzing partially nested data. *Multivariate Behavioral Research, 49*, 93-118.
- Cole, D. A., & **Preacher, K. J.** (2014). Manifest variable path analysis: Potentially serious and misleading consequences due to uncorrected measurement error. *Psychological Methods, 19*, 300-315.
- \*Gu, F., **Preacher, K. J.**, Wu, W., & Yung, Y.-F. (2014). A computationally efficient state space approach to estimating multilevel regression models and multilevel confirmatory factor models. *Multivariate Behavioral Research, 49*, 119-129.
- \*Gu, F., **Preacher, K. J.**, & Ferrer, E. (2014). A state space modeling approach to mediation analysis. *Journal of Educational and Behavioral Statistics, 39*, 117-143.
- \*Geldhof, G. J., **Preacher, K. J.**, & Zyphur, M. J. (2014). Reliability estimation in a multilevel confirmatory factor analysis framework. *Psychological Methods, 19*, 72-91.
- Preacher, K. J.**, Zhang, G., Kim, C., & Mels, G. (2013). Choosing the optimal number of factors in exploratory factor analysis: A model selection perspective. *Multivariate Behavioral Research, 48*, 28-56.
- Cho, S.-J., \*Athay, M., & **Preacher, K. J.** (2013). Measuring change for a multidimensional test using a generalized explanatory longitudinal item response model. *British Journal of Mathematical & Statistical Psychology, 66*, 353-381.
- \*Selig, J. P., **Preacher, K. J.**, & Little, T. D. (2012). Modeling time-dependent association in longitudinal data: A lag as moderator approach. *Multivariate Behavioral Research, 47*, 697-716.
- Preacher, K. J.**, & Merkle, E. C. (2012). The problem of model selection uncertainty in structural equation modeling. *Psychological Methods, 17*, 1-14.
- Zhang, G., **Preacher, K. J.**, & Jennrich, R. I. (2012). The infinitesimal jackknife with exploratory factor analysis. *Psychometrika, 77*, 634-648.
- Kelley, K., & **Preacher, K. J.** (2012). On effect size. *Psychological Methods, 17*, 137-152.
- Preacher, K. J.**, & \*Selig, J. P. (2012). Advantages of Monte Carlo confidence intervals for indirect effects. *Communication Methods & Measures, 6*, 77-98.
- Preacher, K. J.** (2011). Multilevel SEM strategies for evaluating mediation in three-level data. *Multivariate Behavioral Research, 46*, 691-731.
- Rigdon, E. E., **Preacher, K. J.**, Lee, N., Howell, R. D., Franke, G. R., & Borsboom, D. (2011). Avoiding measurement dogma: A response to Rossiter. *European Journal of Marketing, 45*, 1589-1600.
- Rucker, D. D., **Preacher, K. J.**, Tormala, Z. L., & Petty, R. E. (2011). Mediation analysis in social psychology: Current practices and new recommendations. *Social & Personality Psychology Compass, 5/6*, 359-371.
- Preacher, K. J.**, & Kelley, K. (2011). Effect size measures for mediation models: Quantitative strategies for communicating indirect effects. *Psychological Methods, 16*, 93-115.
- Preacher, K. J.**, Zhang, Z., & Zyphur, M. J. (2011). Alternative methods for assessing mediation in multilevel data: The advantages of multilevel SEM. *Structural Equation Modeling, 18*, 161-182.

- Hayes, A. F., & **Preacher, K. J.** (2010). Quantifying and testing indirect effects in simple mediation models when the constituent paths are nonlinear. *Multivariate Behavioral Research, 45*, 627-660.
- Zhang, G., **Preacher, K. J.**, & Luo, S. (2010). Bootstrap confidence intervals for ordinary least squares factor loadings and correlations in exploratory factor analysis. *Multivariate Behavioral Research, 45*, 104-134.
- Preacher, K. J.**, Zyphur, M. J., & Zhang, Z. (2010). A general multilevel SEM framework for assessing multilevel mediation. *Psychological Methods, 15*, 209-233.
- Zhang, Z., Zyphur, M. J., & **Preacher, K. J.** (2009). Testing multilevel mediation using hierarchical linear models: Problems and solutions. *Organizational Research Methods, 12*, 695-719.
- \*Selig, J. P., & **Preacher, K. J.** (2009). Mediation models for longitudinal data in developmental research. *Research in Human Development, 6*, 144-164.
- Preacher, K. J.**, & Hayes, A. F. (2008). Asymptotic and resampling strategies for assessing and comparing indirect effects in multiple mediator models. *Behavior Research Methods, 40*, 879-891.
- Franke, G. R., **Preacher, K. J.**, & Rigdon, E. E. (2008). Proportional structural effects of formative indicators. *Journal of Business Research, 61*, 1229-1237.
- Preacher, K. J.**, Rucker, D. D., & Hayes, A. F. (2007). Addressing moderated mediation hypotheses: Theory, methods, and prescriptions. *Multivariate Behavioral Research, 42*, 185-227.
- Little, T. D., **Preacher, K. J.**, \*Selig, J. P., & Card, N. A. (2007). New developments in latent variable panel analyses of longitudinal data. *International Journal of Behavioral Development, 31*, 357-365.
- Preacher, K. J.**, Curran, P. J., & Bauer, D. J. (2006). Computational tools for probing interaction effects in multiple linear regression, multilevel modeling, and latent curve analysis. *Journal of Educational & Behavioral Statistics, 31*, 437-448.
- Preacher, K. J.** (2006). Quantifying parsimony in structural equation modeling. *Multivariate Behavioral Research, 41*, 227-259.
- Preacher, K. J.** (2006). Testing complex correlational hypotheses using structural equation modeling. *Structural Equation Modeling, 13*, 520-543.
- Bauer, D. J., **Preacher, K. J.**, & Gil, K. M. (2006). Conceptualizing and testing random indirect effects and moderated mediation in multilevel models: New procedures and recommendations. *Psychological Methods, 11*, 142-163.
- ‡**Preacher, K. J.**, Rucker, D. D., MacCallum, R. C., & Nicewander, W. A. (2005). Use of the extreme groups approach: A critical reexamination and new recommendations. *Psychological Methods, 10*, 178-192.
- Preacher, K. J.**, & Hayes, A. F. (2004). SPSS and SAS procedures for estimating indirect effects in simple mediation models. *Behavior Research Methods, Instruments, & Computers, 36*, 717-731.
- Preacher, K. J.**, & MacCallum, R. C. (2003). Repairing Tom Swift's electric factor analysis machine. *Understanding Statistics, 2*, 13-32.
- Preacher, K. J.**, & MacCallum, R. C. (2002). Exploratory factor analysis in behavior genetics research: Factor recovery with small sample sizes. *Behavior Genetics, 32*, 153-161.
- MacCallum, R. C., Zhang, S., **Preacher, K. J.**, & Rucker, D. D. (2002). On the practice of dichotomization of quantitative variables. *Psychological Methods, 7*, 19-40.

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‡ Reprinted in: W. P. Vogt (Ed.) (2008). *Selecting research methods*. Thousand Oaks, CA: Sage Publications.

MacCallum, R. C., Browne, M. W., & **Preacher, K. J.** (2002). Comments on the Meehl-Waller procedure for appraisal of path analysis models. *Psychological Methods, 7*, 301-306.

MacCallum, R. C., Widaman, K. F., **Preacher, K. J.**, & Hong, S. (2001). Sample size in factor analysis: The role of model error. *Multivariate Behavioral Research, 36*, 611-637.

## Peer-Reviewed Articles in Applied Psychology

Liebmann, E. P., **Preacher, K. J.**, Richter, K. P., Cupertino, A. P., & Catley, D. (in press). Identifying pathways to quitting smoking via telemedicine-delivered care. *Health Psychology*.

Morrill, M. I., Schulz, M. S., Nevarez, M. D., **Preacher, K. J.**, & Waldinger, R. J. (in press). Assessing within- and between-family variations in an expanded measure of childhood adversity. *Psychological Assessment*.

Murphy, L. K., **Preacher, K. J.**, \*Rights, J. D., Rodriguez, E., Bemis, H., Desjardins, L., Prussien, K., Winning, A. M., Gerhardt, C. A., Vannatta, K., & Compas, B. (2018). Maternal communication in childhood cancer: Factor analysis and relation to maternal distress. *Journal of Pediatric Psychology, 43*, 1114-1127.

Scheuermann, T. S., **Preacher, K. J.**, Carlini, B. H., Bush, T., Magnusson, B., Nazir, N., & Richter, K. P. (in press). Predictors of engagement in post-discharge quitline counseling among hospitalized smokers. *Journal of Behavioral Medicine*.

Bettis, A. H., Forehand, R., Sterba, S. K., **Preacher, K. J.**, & Compas, B. E. (2018) Anxiety and depression in children of depressed parents: Dynamics of change in a preventive intervention. *Journal of Clinical Child & Adolescent Psychology, 47*, 581-594.

Scheuermann, T. S., Richter, K. P., Rigotti, N. A., Cummings, S. E., Harrington, K. F., Sherman, S. E., Zhu, S.-H., Tindle, H. A., **Preacher, K. J.**, & the Consortium of Hospitals Advancing Research on Tobacco (CHART) (2017). Accuracy of self-reported smoking abstinence in clinical trials of hospital-initiated smoking interventions. *Addiction, 112*, 2227-2236.

Sachs-Ericsson, N. J., Sheffler, J. L., Stanley, I. H., Piazza, J. R., & **Preacher, K. J.** (2017). When emotional pain becomes physical: Adverse childhood experiences, pain, and the role of mood and anxiety disorders. *Journal of Clinical Psychology, 73*, 1403-1428.

Klippel, A., Myin-Germeys, I., Chavez-Baldini, U., **Preacher, K. J.**, Kempton, M., Valmaggia, L., Calem, M., So, S., Beards, S., Hubbard, K., Gayer-Anderson, C., Onyejiaka, A., Wichers, M., McGuire, P., Murray, R., Garety, P., van Os, J., Wykes, T., Moran, C., & Reininghaus, U. (2017). Modelling the interplay between psychological processes and adverse, stressful contexts and experiences in pathways to psychosis: An experience sampling study. *Schizophrenia Bulletin, 43*, 302-315.

Dunkley, D. M., Lewkowski, M., Lee, I. A., **Preacher, K. J.**, Zuroff, D. C., Berg, J.-L., Foley, J. E., Myhr, G., & Westreich, R. (2017). Daily stress, coping, and negative and positive affect in depression: Complex trigger and maintenance patterns. *Behavior Therapy, 48*, 349-365.

Bahns, A. J., Crandall, C. S., Gillath, O., & **Preacher, K. J.** (2017). Similarity in relationships as niche construction: Choice, stability, and influence within dyads in a free choice environment. *Journal of Personality & Social Psychology: Personality Processes and Individual Differences, 112*, 329-355.

Richter, K. P., Faseru, B., Shireman, T. I., Mussulman, L. M., Nazir, N., Bush, T., Scheuermann, T. S., **Preacher, K. J.**, Carlini, B. H., Magnusson, B., Ellerbeck, E. F., Cramer, C., Cook, D. J., & Martell, M. J. (2016). Warm handoff versus Fax referral for linking hospitalized smokers to quitlines. *American Journal of Preventive Medicine, 51*, 587-596.

- Richter, K. P., Shireman, T. I., Ellerbeck, E. F., Cupertino, A. P., Catley, D., Cox, L. S., **Preacher, K. J.**, Spaulding, R., Mussulman, L. M., Nazir, N., Hunt, J. J., & Lambart, L. (2015). Comparative and cost effectiveness of telemedicine versus telephone counseling for smoking cessation. *Journal of Medical Internet Research, 17*, e113.
- Compas, B. E., Bemis, H., Gerhardt, C. A., Dunn, M. J., Rodriguez, E. M., Desjardins, L., **Preacher, K. J.**, Manring, S., & Vannatta, K. (2015). Mothers and fathers coping with their children's cancer: Individual and interpersonal processes. *Health Psychology, 34*, 783-793.
- Laird, K. T., **Preacher, K. J.**, & Walker, L. S. (2015). Attachment and adjustment in individuals with a history of functional abdominal pain. *The Clinical Journal of Pain, 31*, 152-158.
- Roeder, K. M., Cole, D. A., Sinclair, K. R., Dukewich, T. L., **Preacher, K. J.**, Felton, J. W., Jacky, A., & Tilghman-Osborne, C. (2014). Sensitive periods for the effect of peer victimization on self-cognition: Moderation by age and gender. *Development and Psychopathology, 26*, 1035-1048.
- Mussulman, L., Ellerbeck, E. F., Cupertino, P., **Preacher, K. J.**, Spaulding, R., Catley, D., Cox, L. S., Lambart, L., Hunt, J. J., Nazir, N., Shireman, T., & Richter, K. P. (2014). Design and participant characteristics of a randomized-controlled trial of telemedicine for smoking cessation among rural smokers. *Contemporary Clinical Trials, 38*, 173-181.
- Dunkley, D. M., Ma, D., \*Lee, I. A., **Preacher, K. J.**, & Zuroff, D. C. (2014). Advancing complex explanatory conceptualizations of daily negative and positive affect: Trigger and maintenance coping action patterns. *Journal of Counseling Psychology, 61*, 93-109.
- Richter, K. P., Faseru, B., Mussulman, L. M., Ellerbeck, E. F., Shireman, T. I., Hunt, J. J., Carlini, B. H., **Preacher, K. J.**, Ayars, C. L., & Cook, D. J. (2012). Using "warm handoffs" to link hospitalized smokers with tobacco treatment after discharge: Study protocol of a randomized controlled trial. *Trials, 13*, 127.
- Hawkley, L. C., **Preacher, K. J.**, & Cacioppo, J. T. (2011). As we said, loneliness (not living alone) explains individual differences in sleep quality. *Health Psychology, 30*, 136.
- Counts, J. M., Buffington, E. S., Chang-Rios, K., Rasmussen, H. N., & **Preacher, K. J.** (2010). The development and validation of the Protective Factors Survey: A self-report measure of protective factors against child maltreatment. *Child Abuse & Neglect, 34*, 762-772.
- Brener, L., von Hippel, W., Kippax, S., & **Preacher, K. J.** (2010). The role of physician and nurse attitudes in the health care of injecting drug users. *Substance Use & Misuse, 45*, 1007-1018.
- Hawkley, L. C., **Preacher, K. J.**, & Cacioppo, J. T. (2010). Loneliness impairs daytime functioning but not sleep duration. *Health Psychology, 29*, 124-129.
- Collins, N., Sachs-Ericsson, N., **Preacher, K. J.**, Sheffield, K. M., & Markides, K. (2009). Smoking increases risk for cognitive decline among community-dwelling older Mexican Americans. *American Journal of Geriatric Psychiatry, 17*, 934-942.
- \*Gallagher, M. W., Lopez, S. J., & **Preacher, K. J.** (2009). The hierarchical structure of well-being. *Journal of Personality, 77*, 1025-1049.
- Sawyer, K., Sachs-Ericsson, N., **Preacher, K. J.**, & Blazer, D. G. (2009). Racial differences in the influence of the APOE epsilon 4 allele on cognitive decline in a sample of community-dwelling older adults. *Gerontology, 55*, 32-40.
- Hamilton, N. A., Affleck, G., Tennen, H., Karlson, C., Luxton, D., **Preacher, K. J.**, & Templin, J. L. (2008). Fibromyalgia: The role of sleep in affect and in negative event reactivity and recovery. *Health Psychology, 27*, 490-497.

- Hamilton, N. A., \*Gallagher, M., **Preacher, K. J.**, Stevens, N., Nelson, C. A., Karlson, C., & McCurdy, D. (2007). Insomnia and well-being. *Journal of Consulting & Clinical Psychology, 75*, 939-946.
- Sachs-Ericsson, N., Verona, E., Joiner, T., & **Preacher, K. J.** (2006). Parental verbal abuse and the mediating role of self-criticism in adult internalizing disorders. *Journal of Affective Disorders, 93*, 71-78.
- Klein, H. J., Fan, J., & **Preacher, K. J.** (2006). The effects of early socialization experiences on content mastery and outcomes: A mediational approach. *Journal of Vocational Behavior, 68*, 96-115.
- von Hippel, W., von Hippel, C., Conway, L., **Preacher, K. J.**, Schooler, J. W., & Radvansky, G. A. (2005). Coping with stereotype threat: Denial as an impression management strategy. *Journal of Personality & Social Psychology, 89*, 22-35.
- Kiecolt-Glaser, J. K., **Preacher, K. J.**, MacCallum, R. C., Atkinson, C., Malarkey, W. B., & Glaser, R. (2003). Chronic stress and age-related increases in the proinflammatory cytokine interleukin-6. *Proceedings of the National Academy of Sciences, 100*, 9090-9095.
- Cunningham, W. A., **Preacher, K. J.**, & Banaji, M. R. (2001). Implicit attitude measures: Consistency, stability, and convergent validity. *Psychological Science, 12*, 163-170.

## Chapters

- Rucker, D. D., & **Preacher, K. J.** (in press). Mediation analysis in consumer psychology: Models, methods, and considerations. In F. R. Kardes, P. M. Herr, & N. Schwarz (Eds.), *Handbook of research methods in consumer psychology*. New York: Routledge.
- Preacher, K. J.** (2019). Latent growth curve models. In G. R. Hancock, L. M. Stapleton, & R. O. Mueller (Eds.), *The reviewer's guide to quantitative methods in the social sciences* (2<sup>nd</sup> ed.) (pp. 178-192). London: Routledge.
- Zyphur, M. J., Zhang, Z., **Preacher, K. J.**, & Bird, L. J. (2018). Moderated mediation in multilevel structural equation models: Decomposing effects of race on math achievement within versus between high schools in the United States. In S. E. Humphrey & J. M. LeBreton (Eds.), *The handbook of multilevel theory, measurement, and analysis* (pp. 473-494). Washington, D. C.: American Psychological Association.
- Deboeck, P. R., **Preacher, K. J.**, & Cole, D. A. (2018). Mediation modeling: Differing perspectives on time alter mediation inferences. In K. van Montfort, J. Oud, & M. Voelkle (Eds.), *Continuous time modeling in the behavioral and related sciences* (pp. 179-203). Basel, Switzerland: Springer International Publishing AG.
- Deboeck, P. R., Nicholson, J. S., Bergeman, C. S., & **Preacher, K. J.** (2013). From modeling long-term growth to short-term fluctuations: Differential equation modeling is the language of change. In R. E. Millsap, L. A. van der Ark, D. M. Bolt, & C. M. Woods (Eds.), *Springer Proceedings in Mathematics & Statistics: Vol. 66. New developments in quantitative psychology* (pp. 427-447). New York: Springer.
- Hayes, A. F., & **Preacher, K. J.** (2013). Conditional process modeling: Using structural equation modeling to examine contingent causal processes. In G. R. Hancock & R. O. Mueller (Eds.), *Structural equation modeling: A second course* (2<sup>nd</sup> ed.), pp. 219-266. Charlotte, NC: Information Age Publishing.
- Preacher, K. J.**, & Hancock, G. R. (2012). On interpretable reparameterizations of linear and nonlinear latent growth curve models. In J. R. Harring & G. R. Hancock (Eds.), *Advances in longitudinal methods in the social and behavioral sciences* (pp. 25-58). Charlotte, NC: Information Age Publishing.



- Hayes, A. F., **Preacher, K. J.**, & Myers, T. A. (2011). Mediation and the estimation of indirect effects in political communication research. In E. P. Bucy & R. L. Holbert (Eds.), *The sourcebook for political communication research: Methods, measures, and analytical techniques* (pp. 434-465). New York: Routledge.
- Widaman, K. F., Little, T. D., **Preacher, K. J.**, & \*Sawalani, G. M. (2011). On creating and using short forms of scales in secondary research. In K. H. Trzesniewski, M. B. Donnellan, & R. E. Lucas (Eds.), *Secondary data analysis: An introduction for psychologists* (pp. 39-61). Washington, DC: American Psychological Association.
- §\*Lee, J., Little, T. D., & **Preacher, K. J.** (2011). Methodological issues in using structural equation models for testing differential item functioning. In E. Davidov, P. Schmidt, & J. Billiet (Eds.), *Cross-cultural analysis: Methods and applications* (pp. 55-84). New York: Routledge.
- Preacher, K. J.** (2010). Latent growth curve models. In G. R. Hancock & R. O. Mueller (Eds.), *The reviewer's guide to quantitative methods in the social sciences* (pp. 185-198). London: Routledge.
- Little, T. D., Card, N. A., **Preacher, K. J.**, & \*McConnell, E. (2009). Modeling longitudinal data from research on adolescence. In R. M. Lerner & L. Steinberg (Eds.), *Handbook of adolescent psychology* (3rd ed.) (pp. 15-54). Hoboken, NJ: Wiley.
- Preacher, K. J.**, & Hayes, A. F. (2008). Contemporary approaches to assessing mediation in communication research. In A. F. Hayes, M. D. Slater, & L. B. Snyder (Eds.), *The Sage sourcebook of advanced data analysis methods for communication research* (pp. 13-54). Thousand Oaks, CA: Sage.
- Hawkley, L. C., **Preacher, K. J.**, & Cacioppo, J. T. (2007). Multilevel modeling of social interactions and mood in lonely and socially connected individuals: The MacArthur Social Neuroscience Studies. In A. D. Ong & M. H. M. van Dulmen (Eds.), *Oxford handbook of methods in positive psychology* (pp. 559-575). New York: Oxford University Press.
- Preacher, K. J.**, \*Cai, L., & MacCallum, R. C. (2007). Alternatives to traditional model comparison strategies for covariance structure models. In T. D. Little, J. A. Bovaird, & N. A. Card (Eds.), *Modeling contextual effects in longitudinal studies* (pp. 33-62). Mahwah, NJ: Lawrence Erlbaum Associates.
- Little, T. D., Card, N. A., Bovaird, J. A., **Preacher, K. J.**, & Crandall, C. S. (2007). Structural equation modeling of mediation and moderation with contextual factors. In T. D. Little, J. A. Bovaird, & N. A. Card (Eds.), *Modeling contextual effects in longitudinal studies* (pp. 207-230). Mahwah, NJ: Lawrence Erlbaum Associates.

## Software

- Lee, I. A., & **Preacher, K. J.** (2013, October). Calculation for the test of the difference between two dependent correlations with no variable in common [Computer software]. Available from <http://quantpsy.org>
- Lee, I. A., & **Preacher, K. J.** (2013, September). Calculation for the test of the difference between two dependent correlations with one variable in common [Computer software]. Available from <http://quantpsy.org>

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§ Reprinted in: E. Davidov, P. Schmidt, J. Billiet, & B. Meuleman (Eds.) (2018). *Cross-cultural analysis: Methods and applications* (2<sup>nd</sup> ed.) (pp. 65-94). New York: Routledge.

- Preacher, K. J.** (2012, November). Monte Carlo method for assessing correlations: An interactive tool for creating confidence intervals for correlation coefficients [Computer software]. Available from <http://quantpsy.org>.
- \*Schoemann, A. M., **Preacher, K. J.**, & Coffman, D. L. (2010, April). Plotting power curves for RMSEA [Computer software]. Available from <http://quantpsy.org>
- Preacher, K. J.**, & \*Selig, J. P., (2010, July). Monte Carlo method for assessing multilevel mediation: An interactive tool for creating confidence intervals for indirect effects in 1-1-1 multilevel models [Computer software]. Available from <http://quantpsy.org>
- \*Selig, J. P., & **Preacher, K. J.** (2008, June). Monte Carlo method for assessing mediation: An interactive tool for creating confidence intervals for indirect effects [Computer software]. Available from <http://quantpsy.org>
- Preacher, K. J.**, & Coffman, D. L. (2006, May). Computing power and minimum sample size for RMSEA [Computer software]. Available from <http://quantpsy.org>
- Preacher, K. J.**, Curran, P. J., & Bauer, D. J. (2003, September). Probing interactions in multiple linear regression, latent curve analysis, and hierarchical linear modeling: Interactive calculation tools for establishing simple intercepts, simple slopes, and regions of significance [Computer software]. Available from <http://quantpsy.org>
- Preacher, K. J.** (2002, May). Calculation for the test of the difference between two independent correlation coefficients [Computer software]. Available from <http://quantpsy.org>
- Preacher, K. J.**, & Briggs, N. E. (2001, May). Calculation for Fisher's Exact Test: An interactive calculation tool for Fisher's exact probability test for 2 x 2 tables [Computer software]. Available from <http://quantpsy.org>
- Preacher, K. J.** (2001, April). Calculation for the chi-square test: An interactive calculation tool for chi-square tests of goodness of fit and independence [Computer software]. Available from <http://quantpsy.org>
- Preacher, K. J.**, & Leonardelli, G. J. (2001, March). Calculation for the Sobel test: An interactive calculation tool for mediation tests [Computer software]. Available from <http://quantpsy.org>

## Other Work

- Preacher, K. J.** (2015). Extreme groups designs. In R. L. Cautin & S. O. Lilienfeld (Eds.), *The encyclopedia of clinical psychology* (Vol. 2, pp. 1189-1192). Hoboken, NJ: John Wiley & Sons, Inc.
- Preacher, K. J.** (2013). Biography. *American Psychologist*, *68*, 655-657.
- Hofer, S. M., & **Preacher, K. J.** (2010). The Society of Multivariate Experimental Psychology co-sponsors methods-oriented workshops. *APS Observer*, *23*(6), 39.
- \*Selig, J. P., **Preacher, K. J.**, & Little, T. D. (2009). Lag as moderator models for longitudinal data. *Multivariate Behavioral Research*, *44*, 853 (abstract).
- Preacher, K. J.** (2009). Book review: *An introduction to latent variable growth curve modeling: Concepts, issues, and applications* (2nd ed.), by Terry E. Duncan, Susan C. Duncan, and Lisa A. Strycker. *Structural Equation Modeling*, *16*, 186-190.
- Preacher, K. J.** (2008). Chi-square. In *International encyclopedia of the social sciences* (2nd ed.) (Vol. 1, pp. 523-524). Detroit, MI: Macmillan Reference USA.

**Preacher, K. J.** (2003). Publishing in graduate school: Tips for new graduate students. *APS Observer*, 16(4), pp. 33-34, 50.

**Preacher, K. J.** (2003). *The role of model complexity in the evaluation of structural equation models*. Unpublished doctoral dissertation, Ohio State University, Columbus, OH.

**Preacher, K. J., & Rucker, D. D.** (2002). Dumbing it down: The dangers of appealing to the lowest common denominator. *Dialogue*, 17(1), 26-27, 31.

## GRANT ACTIVITY

**Principal investigator (2003 – 2006):** *Longitudinal Factorial Invariance in the Study of Substance Abuse Trajectories* (Individual Ruth L. Kirschstein NRSA Postdoctoral Fellowship, NIDA/NIH F32-DA016883). Sponsor: Patrick Curran; Co-Sponsor: Kenneth A. Bollen. L. L. Thurstone Psychometric Laboratory, University of North Carolina at Chapel Hill (\$133,489).

**Principal Investigator (2007 – 2009):** *New Faculty General Research Fund* awarded for proposal *Scale setting in invariance tests: Some 'one' matters more than others*. (competitive with other KU faculty). (\$8000).

**Co-Principal Investigator (2018 – 2022):** *An efficacy trial to evaluate supporting paraprofessionals by advancing reading intervention knowledge and skill (SPARK)*. (IES: R324A180004), Christopher Lemons, PI, Vanderbilt University, Dept. of Special Education (\$3,298,858).

**Investigator (2013 – 2019):** *Improving reading and mathematics outcomes for students with learning disabilities: Next generation intensive interventions*. (A3 Center Grant R324D130003, U.S. Dept. of Education/IES/National Center for Special Education Research), Douglas Fuchs, PI, Vanderbilt University, Dept. of Special Education (\$10 million).

**Investigator (2015 – 2020):** *An evaluation of turning around North Carolina's lowest performing schools: A state partnership evaluation*. (IES: R305E150017), Gary Henry, PI, Vanderbilt University (total costs: \$4,944,014).

**Co-Investigator (2008 – 2011); Consultant (2011 – 2013):** *Telemedicine for smoking cessation in rural primary care*. (NHLBI; R01 HL087643-01A2), Kimber P. Richter, PI, University of Kansas Medical Center (total costs: \$2,947,233).

**Co-Investigator (2010 – 2011); Consultant (2011 – 2014):** *Increasing post-discharge follow-up among hospitalized smokers*. (NHLBI; 1 U01 HL105232-01), Kimber P. Richter, PI, University of Kansas Medical Center (total costs: \$2,726,804).

**Specialist (2014 – 2019):** *Follow-up through middle school of a randomized study of public prekindergarten*. (NICHD; 1R01HD079461-01), Dale Farran, PI, Vanderbilt University (\$648,251).

**Subcontract (2015):** *The effects of homelessness interventions on child outcomes*. (NICHD; 5R01HD066082-04), Beth Shinn, PI, Vanderbilt University (\$261,149).

**Subcontract (2006 – 2010):** *Protective Factors Survey*. NFP46580, Chapel Hill Training Outreach Project (CHTOP, Inc.) via Cooperative Agreement #90CA1729 from ACYF, Children's Bureau. Institute for Educational Research & Public Service, University of Kansas.

**Subcontract (2007):** *Psychoneuroimmunology: Preterm Birth in Hispanics*. Parent grant: R01-NR007891-05A (bridge grant: R56-NR007891-05A), Roberta J. Ruiz, PI, School of Nursing, University of Texas Medical Branch.

**Consultant (2016 – 2021):** *Scale-up of Promoting Adolescents' Comprehension of Text (PACT)*. (IES), Gregory Roberts, PI, The University of Texas at Austin.

**Consultant (2017 – 2022):** *Evidence-based interventions to enhance outcomes among struggling readers*. (NIH/NICHHD; 1R01HD087706-01A1), Amie Grills, PI, Boston University. (total costs: \$668,200).

**Consultant (2014 – 2019):** *Mapping socioemotional paths from family-of-origin experiences to midlife health*. (NIA; 1R01AG045230-01A1), Robert J. Waldinger, PI, Massachusetts General Hospital (\$689,397).

**Travel and workshop grants:** Yale University, 2001; Society for Personality & Social Psychology, 2001; Eastern Psychological Association, 1998, 1999; Society of Multivariate Experimental Psychology, 1999; KU College of Liberal Arts & Sciences, 2007, 2008, 2009, 2010, 2011.

## PRESENTATIONS

### Talks and Chaired Symposia

**Preacher, K. J., & Rights, J. D.** (October, 2018). *Residual covariance structures for latent growth curve models in the context of individually varying measurement occasions*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Albuquerque, NM.

**Preacher, K. J., & Fuchs, L. S.** (January, 2018). *Mediation analysis*. Invited talk, IES Annual Principal Investigators Meeting, Arlington, VA.

**Preacher, K. J.** (October, 2017). *Structural equation modeling strategies for assessing within-participant mediation*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Minneapolis, MN.

**Preacher, K. J.** (March, 2017). *Indirect effects: Inference and modeling extensions*. Invited alumni talk, Department of Psychology, The College of William & Mary, Williamsburg, VA.

\*Lachowicz, M. J., **Preacher, K. J.**, & Kelley, K. (May, 2016). *A novel effect size measure for the indirect effect in mediation analysis*. Paper presented at the 6<sup>th</sup> annual Modern Modeling Methods (M3) Conference, Storrs, CT.

**Preacher, K. J., & Selig, J. P.** (January, 2016). *Strategies for incorporating lag as a moderator in mediation models*. Paper presented at the 17<sup>th</sup> annual Meeting of the Society for Personality & Social Psychology, San Diego, CA.

Hayes, A. F., & **Preacher, K. J.** (Symposium co-chair; January, 2016). *Advances in repeated measures mediation analysis*. Symposium held at the 17<sup>th</sup> annual Meeting of the Society for Personality & Social Psychology, San Diego, CA. Contributors included Andrew F. Hayes, Amanda Montoya, Elizabeth Page-Gould, Kristopher J. Preacher, James P. Selig, and Amanda Sharples.

**Preacher, K. J.** (November, 2015). *Analysis of moderation and mediation in multilevel data*. Invited talk, Department of Psychology, The Ohio State University, Columbus, OH.

**Preacher, K. J., Zhang, Z., & Zyphur, M. J.** (October, 2015). *Decomposing interaction effects in multilevel structural equation models*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Redondo Beach, CA.

- Richter, K. P., Faseru, B., Shireman, T. I., Ellerbeck, E. F., **Preacher, K. J.**, Scheuermann, T., Mussulman, L. M., Nazir, N., Bush, T., & Carlini, B. H. (February, 2015) *"Warm handoff" versus fax referral to quitline for post-discharge care: quitline enrollment, adherence, outcomes, and cost-effectiveness*. Paper presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Philadelphia, PA.
- Preacher, K. J.** (November, 2014). *Parameterizing meaningful aspects of change as random coefficients*. Invited talk, Department of Psychology, McGill University, Montreal, QC.
- Preacher, K. J.** (November, 2014). *Computer-intensive methods for investigating indirect effects*. Invited talk, D. O. Hebb Lecture Series, Department of Psychology, McGill University, Montreal, QC.
- Scheuermann, T. S., Richter, K. P., **Preacher, K. J.**, Mussulman, L., Ellerbeck, E. F., Nazir, N., Faseru, B., Bush, T., Carlini, B. H., & Magnusson, B. (November, 2014). *Predictors of engagement in post-discharge quitline counseling among hospitalized smokers*. Paper presented at the annual conference of The Association for Medical Education and Research in Substance Abuse, San Francisco, CA.
- Merkle, E. C., You, D., & **Preacher, K. J.** (July, 2014). *Testing non-nested structural equation models*. Paper presented at the annual meeting of the Psychometric Society, Madison, WI.
- Preacher, K. J.**, & \*Timmons, A. C. (November, 2013). *Choosing repeated measurement occasions to minimize bias and maximize efficiency*. Invited talk, Department of Psychology, University of Notre Dame, Notre Dame, IN.
- Preacher, K. J.**, & Cole, D. A. (October, 2013). *Fallible triangles in path analysis: Understanding and predicting bias and misfit due to unreliability*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, St. Petersburg, FL.
- Preacher, K. J.** (September, 2013). *Parameterizing nontraditional aspects of change as random coefficients*. Invited talk, Quantitative Methods, York University, Toronto, ON.
- Preacher, K. J.** (September, 2013). *Assessing causal mechanisms in psychological research: How important? For whom? At what level?* Invited talk, Dept. of Psychology, York University, Toronto, ON.
- Zhang, G., & **Preacher, K. J.** (July, 2013). *Stability of rotated factor loadings in exploratory factor analysis*. Paper presented at the annual meeting of the Psychometric Society, Arnhem, the Netherlands.
- \*Gu, F., **Preacher, K. J.**, & Wu, W. (May, 2013). *An efficient state space approach to estimate univariate and multivariate multilevel regression models*. Paper presented at the 3<sup>rd</sup> annual Modern Modeling Methods (M3) Conference, Storrs, CT.
- Preacher, K. J.**, Geldhof, G. J., & Zyphur, M. J. (October, 2012). *Level-specific reliability estimation via multilevel CFA*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Vancouver, BC.
- Deitz, G., Hansen, J. D., DeCarlo, T. E., Babakus, E., & **Preacher, K. J.** (August, 2012). *Effects of store manager climate on employee commitment, customer loyalty and store financial performance*. Paper presented at the annual American Marketing Association Summer Marketing Educators Conference, Chicago, IL.
- Deboeck, P. R., & **Preacher, K. J.** (July, 2012). *No need to be discrete: A method for continuous time mediation analysis*. Paper presented at the annual meeting of the Psychometric Society, Lincoln, NE.
- \*Boulton, A., & **Preacher, K. J.** (May, 2012). *Level-specific fit index sensitivity in multilevel structural equation modeling*. Paper presented at the 2<sup>nd</sup> annual Modern Modeling Methods (M3) Conference, Storrs, CT.

- Preacher, K. J.** (Symposium co-chair; May, 2012). *Integrating moderation and mediation analysis*. Symposium held at the annual meeting of the Association for Psychological Science, Chicago, IL. Contributors included Amanda Fairchild, Andrew F. Hayes, Kristopher J. Preacher, and Amelie U. Wiedemann.
- Preacher, K. J.** (May, 2012). *Combining moderation and mediation analysis: A statistical primer*. Paper presented at the annual meeting of the Association for Psychological Science, Chicago, IL.
- Preacher, K. J.** (May, 2012). *Computer-intensive methods for investigating indirect effects*. Invited talk, Center for Decision Research, The University of Chicago Booth School of Business, Chicago, IL.
- Preacher, K. J.,** Zhang, G., Kim, C., & Mels, G. (October, 2011). *Selecting the number of factors in exploratory factor analysis: Different indices for different goals*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Norman, OK.
- Deboeck, P. R., & **Preacher, K. J.** (October, 2011). *No need to be discrete: A method for continuous time mediation analysis*. Invited talk, Department of Psychology, University of Notre Dame, Notre Dame, IN.
- Preacher, K. J.** (Symposium chair; August, 2011). *Advances in multilevel structural equation modeling*. Presidential invited symposium held at the annual meeting of the American Psychological Association, Washington, DC. Contributors included Steven M. Boker, Xitao Fan, G. John Geldhof, Paras D. Mehta, Michael C. Neale, James L. Peugh, Kristopher J. Preacher, Mijke Rhemtulla, \*Alexander M. Schoemann, and Laura M. Stapleton.
- Hofer, S. M., Bontempo, D. E., **Preacher, K. J.,** Boker, S. M., & Neale, M. C. (August, 2011). *Evaluating factorial invariance across continuous sampling dimensions in a single-group analysis*. Paper presented at the annual meeting of the American Psychological Association, Washington, DC.
- Preacher, K. J.,** \*Geldhof, G. J., \*Rhemtulla, M., & \*Schoemann, A. (August, 2011). *New uses for multilevel structural equation modeling: Multilevel reliability coefficients and dyadic similarity measures*. Paper presentation, the annual meeting of the American Psychological Association, Washington, DC.
- Zhang, G., **Preacher, K. J.,** & Jennrich, R. I. (July, 2011). *The infinitesimal jackknife with exploratory factor analysis*. Paper presented at the International Meeting of the Psychometric Society, Hong Kong.
- \*Rhemtulla, M., \*Schoemann, A. M., & **Preacher, K. J.** (May, 2011). *A multilevel SEM approach to examine dyadic correlations*. Paper presented at the 1<sup>st</sup> annual Modern Modeling Methods (M3) Conference, Storrs, CT.
- Preacher, K. J.,** & Hancock, G. R. (June, 2010). *Interpretable reparameterizations of growth curve models*. Invited talk at the Advances in Longitudinal Methods in the Social & Behavioral Sciences conference, The Center for Integrated Latent Variable Research, College Park, MD.
- Preacher, K. J.** (April, 2010). *Multilevel structural equation modeling: A method for testing models in multisite trials*. Talk, Preventive Medicine & Public Health, University of Kansas Medical Center, Kansas City, KS.
- Zhang, G., & **Preacher, K. J.** (March, 2010). *Nonparametric standard error estimation of oblique rotation in exploratory factor analysis*. Invited talk, Quantitative Psychology, Ohio State University, Columbus, OH.
- Preacher, K. J.,** Dunkley, D. M., & Zuroff, D. C. (January, 2010). *Demonstrating multilevel structural equation modeling for testing mediation: Effects of self-critical perfectionism on daily affect*. Paper presented at the annual conference of the Society for Personality & Social Psychology, Las Vegas, NV.
- Zhang, G., & **Preacher, K. J.** (January, 2010). *Nonparametric standard error estimation of oblique rotation in exploratory factor analysis*. Invited talk, Quantitative Studies Group, Notre Dame University, Notre Dame, IN.

- Preacher, K. J.** (November, 2009). *The problem of model selection uncertainty in structural equation modeling*. Invited talk, Department of Psychology, Notre Dame University, Notre Dame, IN.
- Preacher, K. J.** (October, 2009). *A multilevel structural equation modeling framework for mediation: Advantages and extensions*. Cattell Award address delivered at the annual meeting of the Society of Multivariate Experimental Psychology, Lincoln City, OR.
- Preacher, K. J.** (August, 2009). *A comprehensive framework for multilevel mediation*. Invited address delivered at the annual meeting of the American Psychological Association, Toronto, ON.
- Preacher, K. J.** (February, 2009). *Structural equation modeling*. Talk, Preventive Medicine & Public Health, University of Kansas Medical Center, Kansas City, KS.
- Preacher, K. J., & Merkle, E. C.** (September, 2008). *Bootstrapping differences in SEM selection criteria*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Montreal, QC.
- Zhang, Z., Zypur, M. J., & **Preacher, K. J.** (August, 2008). *Testing multilevel mediation using hierarchical linear models: Problems and solutions*. Paper presented at the annual meeting of the Academy of Management, Anaheim, CA.
- Preacher, K. J.** (August, 2008). *Anne Anastasi Distinguished Early Career Contributions Award: New approaches to hypothesis testing in mediation*. Paper presented at the annual meeting of the American Psychological Association, Boston, MA.
- Preacher, K. J.** (Symposium co-chair; May, 2008). *The statistical analysis of mediation effects*. Symposium held at the annual meeting of the Association for Psychological Science, Chicago, IL. Contributors included JeeWon Cheong, Amanda Fairchild, David P. MacKinnon (co-chair), Kristopher J. Preacher, Patrick Shrout, and Margarita Krochik.
- Preacher, K. J.** (May, 2008). *Bootstrapping null-centered confidence intervals for mediation effects*. Paper presented at the annual meeting of the Association for Psychological Science, Chicago, IL.
- Preacher, K. J.** (March, 2008). *Mediation analysis: Overcoming obstacles to valid statistical inference*. Invited talk, Department of Psychology, Michigan State University, East Lansing, MI.
- Preacher, K. J.** (February, 2008). *On variable dichotomization and other regrettable practices*. Invited talk, Department of Psychology, Wichita State University, Wichita, KS.
- Preacher, K. J.** (February, 2008). *Mediation analysis: Three problems with current practice*. Invited talk, Marketing Department, Kellogg School of Management, Northwestern University, Evanston, IL.
- Little, T. D., **Preacher, K. J.**, & \*Lee, J. (October, 2007). *Partial measurement invariance: Some 'one' matters more than others*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Chapel Hill, NC.
- Preacher, K. J., & \*Lee, J.** (August, 2007). *Scale setting in invariance tests: Some 'one' may matter more than others*. Paper presented at the annual meeting of the American Psychological Association, San Francisco, CA.
- Preacher, K. J.** (May, 2007). *Median splits and extreme groups*. Invited talk, University of Kansas Medical Center, Kansas City, KS.
- Hayes, A. F., & **Preacher, K. J.** (August, 2006). *Bootstrapping specific indirect effects in multiple mediator models of media effects*. Paper presentation, the annual conference of the Association for Education in Journalism & Mass Communication, San Francisco, CA.

**Preacher, K. J.** (Symposium chair; June, 2006). *Model selection in latent variable models*. Symposium held at the annual meeting of the Psychometric Society, Montreal, QC. Contributors included Michael C. Neale, Kristian E. Markon, Gregory R. Hancock, and James H. Steiger (discussant).

**Preacher, K. J.** (June, 2006). *Why we should adopt a model selection strategy*. Paper presentation, the annual meeting of the Psychometric Society, Montreal, QC.

**Preacher, K. J.** (July, 2004). *The role of model complexity in the evaluation of structural equation models*. Invited talk, the annual meeting of the American Psychological Association, Honolulu, HI.

Kiecolt-Glaser, J. K., **Preacher, K. J.**, Robles, T. F., Sheridan, J. F., MacCallum, R. C., Atkinson, C., Malarkey, W. B., & Glaser, R. (May, 2004). *Psychological influences on immune function: Health implications*. Paper presentation, the annual meeting of the PsychoNeuroImmunology Research Society, Titisee, Germany.

## Workshops Conducted

**Preacher, K. J.** (October 19 – 20, 2018). *Multilevel Modeling: A Second Course*. Statistical Horizons training seminar, Philadelphia, PA.

**Preacher, K. J.** (July 30 – August 3, 2018). *Multilevel Structural Equation Modeling*. Statistical Horizons training seminar, Philadelphia, PA.

**Preacher, K. J.** (February 2 – 3, 2018). *Multilevel Modeling: A Second Course*. Statistical Horizons training seminar, Fort Myers, FL.

**Preacher, K. J.** (November 3 – 4, 2017). *Multilevel Modeling: A Second Course*. Statistical Horizons training seminar, Philadelphia, PA.

**Preacher, K. J.** (July 24 – 28, 2017). *Multilevel Structural Equation Modeling*. Statistical Horizons training seminar, Philadelphia, PA.

**Preacher, K. J.** (June 19 – 23, 2017). *Basic and Advanced Multilevel Modeling with Mplus*. Global School in Empirical Research Methods (GSERM) at the University of St. Gallen, St. Gallen, Switzerland.

**Preacher, K. J.** (December 9 – 10, 2016). *Multilevel Modeling: A Second Course*. Statistical Horizons training seminar, Philadelphia, PA.

**Preacher, K. J.** (July 18 – 22, 2016). *Multilevel Structural Equation Modeling*. Statistical Horizons training seminar, Philadelphia, PA.

**Preacher, K. J.** (March 18 – 19, 2016). *Multilevel Modeling: A Second Course*. Statistical Horizons training seminar, Chicago, IL.

**Preacher, K. J.** (December 4 – 5, 2015). *Multilevel Modeling: A Second Course*. Statistical Horizons training seminar, Philadelphia, PA.

**Preacher, K. J.** (June 11 – 12, 2015). *Multilevel Modeling: A Second Course*. Statistical Horizons training seminar, Philadelphia, PA.

**Preacher, K. J.** (October 17 – 18, 2014). *Multilevel Modeling: A Second Course*. Statistical Horizons training seminar, Manhattan Beach, CA.

**Preacher, K. J.** (June 2 – 3, 2014). *Multilevel Modeling: A Second Course*. Statistical Horizons training seminar, Philadelphia, PA.

Hayes, A. F., & **Preacher, K. J.** (July 17 – 18, 2013). *Mediation and Moderation*. Statistical Horizons training seminar, Philadelphia, PA.

Wu, W., Rhemtulla, M., Schoemann, A. M., & **Preacher, K. J.** (June 10 – 14, 2013). *Advanced Structural Equation Modeling*. 11<sup>th</sup> Annual KU Summer Institute, Center for Research Methods & Data Analysis, University of Kansas, Lawrence, KS.



- Selig, J. P., & **Preacher, K. J.** (June 10 – 14, 2013). *Multilevel Modeling: Foundations and Applications*. 11<sup>th</sup> Annual KU Summer Institute, Center for Research Methods & Data Analysis, University of Kansas, Lawrence, KS.
- Preacher, K. J.** (June 7, 2013). *Multilevel Structural Equation Modeling*. Invited workshop, Hispanic Health Disparities Research Center, The University of Texas at El Paso.
- Preacher, K. J.** (May 20, 2013). *Multilevel Structural Equation Modeling with Complex Applications*. Pre-conference workshop, Modern Modeling Methods (M3) Conference, Storrs, CT.
- Selig, J. P., & **Preacher, K. J.** (June 18 – 22, 2012). *Multilevel Modeling: Foundations and Applications*. 10<sup>th</sup> Annual KU Summer Institute, Center for Research Methods & Data Analysis, University of Kansas, Lawrence, KS.
- Hayes, A. F., & **Preacher, K. J.** (June 18 – 22, 2012). *Mediation and Moderation: Modern Methods and Approaches*. 10<sup>th</sup> Annual KU Summer Institute, Center for Research Methods & Data Analysis, University of Kansas, Lawrence, KS.
- Preacher, K. J.**, & Selig, J. P. (June 6 – 10, 2011). *Multilevel Modeling: Foundations and Applications*. 9<sup>th</sup> Annual KU Summer Institute, Center for Research Methods & Data Analysis, University of Kansas, Lawrence, KS.
- Preacher, K. J.**, & Selig, J. P. (June 7 – 11, 2010). *Multilevel Modeling: Foundations and Applications*. 8<sup>th</sup> Annual KU Summer Institute, Center for Research Methods & Data Analysis, University of Kansas, Lawrence, KS.
- Preacher, K. J.** (June 1 – 5, 2009). *Multilevel Modeling: Foundations and Applications*. 7<sup>th</sup> Annual RDA Summer Institute, The Schiefelbusch Institute for Life Span Studies, University of Kansas, Lawrence, KS.
- Preacher, K. J.** (June 16 – 20, 2008). *Multilevel Modeling: Foundations and Applications*. 6<sup>th</sup> Annual RDA Summer Institute, The Schiefelbusch Institute for Life Span Studies, University of Kansas, Lawrence, KS.
- Preacher, K. J.** (June 4 – 8, 2007). *Multilevel Modeling: Foundations and Applications*. 5<sup>th</sup> Annual RDA Summer Institute, The Schiefelbusch Institute for Life Span Studies, University of Kansas, Lawrence, KS.
- Preacher, K. J.** (May, 2006). *Advanced Regression Techniques: Mediation and Moderation*. Invited workshop, Marketing Department, Kellogg School of Management, Northwestern University, Evanston, IL.
- Preacher, K. J.** (March, 2006). *Advanced Regression Techniques*. Invited workshop, University of North Carolina School of Education, Chapel Hill, NC.
- Preacher, K. J.** (October, 2005). *Assessing Mediation, Moderation, and Conditional Indirect Effects*. Invited workshop, University of Western Ontario, Richard Ivey School of Business, London, ON.
- Preacher, K. J.** & Cunningham, W. A. (July, 2000). *Structural Equation Modeling: Parsing Variance in Repeated-Measures Designs*. Invited workshop, Department of Psychology, Yale University, New Haven, CT.

## Posters

- Creedon, P. S., Hayes, A. F., & **Preacher, K. J.** (January, 2016). *Omnibus tests of the indirect effect in statistical mediation analysis with a multicategorical independent variable*. Poster presentation given at the 17<sup>th</sup> annual Meeting of the Society for Personality & Social Psychology, San Diego, CA.
- Dunkley, D. M., Lee, I. A., Thaw, A., **Preacher, K. J.**, & Zuroff, D. C. (November, 2015). *Stress, coping, and affect trigger and maintenance patterns during the day: Enhancing multilevel explanatory conceptualizations*. Poster presentation given at the 49<sup>th</sup> annual convention of the Association for Behavioral and Cognitive Therapies, Chicago, IL.
- \*Gu, F., **Preacher, K. J.**, & Ferrer, E. (August, 2013). *The study of mediation by means of the state space model*. Poster presented at the 121<sup>st</sup> annual meeting of the American Psychological Association, Honolulu, HI.
- Wang, L., & **Preacher, K. J.** (August, 2013). *Moderated mediation analysis using Bayesian methods*. Poster presented at the 121<sup>st</sup> annual meeting of the American Psychological Association, Honolulu, HI.
- Richter, K. P., Ellerbeck, E. F., Cupertino, A. P., Catley, D., Cox, L. S., **Preacher, K. J.**, Shireman, T. I., Hunt, J. J., Nazir, N., Lambart, L., & Mussulman, L. (March, 2013). *Connect2Quit: A randomized, controlled trial of telemedicine versus telephone counseling for smoking cessation*. Poster presented at the 19<sup>th</sup> annual meeting of the Society for Research on Nicotine and Tobacco, Boston, MA.
- Dunkley, D. M., Lewkowski, M., Berg, J.-L., Zuroff, D. C., \*Lee, I. A., **Preacher, K. J.**, Myhr, G., Westreich, R., Lupien, S., & Ng, F. (November, 2012). *Daily stress-generation and stress-adaptation systems in depression: A multilevel structural analysis of the daily appraisal, coping, and affect process*. Poster presentation, the annual meeting of the Association for Behavioral and Cognitive Therapies, National Harbor, MD.
- \*Timmons, A., & **Preacher, K. J.** (May, 2012). *Temporal design considerations for nonlinear data*. Poster presentation, the annual meeting of the Association for Psychological Science, Chicago, IL.
- \*Pornprasertmanit, S., \*Lee, J., & **Preacher, K. J.** (August, 2011). *The effects of item intraclass correlation on multilevel confirmatory factor analysis: Is ignoring multilevel structure ever justified?* Poster presentation, the annual meeting of the American Psychological Association, Washington, DC.
- \*Geldhof, G. J., & **Preacher, K. J.** (August, 2011). *Multilevel reliability estimation within a multilevel confirmatory factor analysis framework*. Poster presentation, the annual meeting of the American Psychological Association, Washington, DC.
- \*Lee, J., \*Pornprasertmanit, S., & **Preacher, K. J.** (August, 2011). *Type I error and power for multilevel confirmatory factor analysis in detecting lack of cross-level measurement and structural noninvariance*. Poster presentation, the annual meeting of the American Psychological Association, Washington, DC.
- \*Lee, I., **Preacher, K. J.**, Dunkley, D. M., & Zuroff, D. C. (May, 2011). *Evaluating complex mediation effects using multilevel structural equation modeling*. Poster presentation, the annual meeting of the Association for Psychological Science, Washington, DC.
- \*Schoemann, A. M., \*Rhemtulla, M., & **Preacher, K. J.** (January, 2011). *Investigating correlations for exchangeable dyads using multilevel structural equation modeling*. Poster presentation, the New Methods Preconference of the 12<sup>th</sup> annual Meeting of the Society for Personality & Social Psychology, San Antonio, TX.
- \*Schoemann, A. M., Branscombe, N. R., & **Preacher, K. J.** (January, 2010). *Older adults perceptions of anti-aging actions*. Poster presentation, the annual conference of the Society for Personality & Social Psychology, Las Vegas, NV.

- Ratliff, J. M., Hawley, P. H., & **Preacher, K. J.** (November, 2009). *Coerciveness and instrumentality within close friendships: An evolutionary perspective*. Poster presentation, New Directions in Research on Close Relationships: Integrating Across Disciplines and Theoretical Approaches (a mini-conference of the International Association for Relationship Research), Lawrence, KS.
- Collins, N., Sachs-Ericsson, N., **Preacher, K. J.**, Sheffield, K. M., & Markides, K. (November, 2009). *Smoking increases risk for cognitive decline among community-dwelling older Mexican Americans*. Poster presentation, the 62<sup>nd</sup> annual meeting of the Gerontological Society of America, Atlanta, GA.
- \*Gallagher, M. W., Lopez, S. J., & **Preacher, K. J.** (August, 2009). *The latent structure of positive mental health in American adults*. Poster presentation, the annual meeting of the American Psychological Association, Toronto, ON.
- Zhang, Z., Zyphur, M. J., & **Preacher, K. J.** (April, 2009). *Hypothesizing and testing multilevel moderation: Issues and recommendations*. Poster presentation, the annual conference of the Society for Industrial & Organizational Psychology, New Orleans, LA.
- Stevens, N., Karlson, C., Hamilton, N. A., **Preacher, K. J.**, Wallston, K., & Staecker, D. (April, 2009). *The Multidimensional Health Locus of Control Scales for labor and delivery*. Poster presentation, the annual meeting of the Society for Behavioral Medicine, Montreal, QC.
- Stevens, N., Hamilton, N. A., **Preacher, K. J.**, Wallston, K., & Staecker, D. (April, 2009). *The Desire for Control in Childbirth Behavior Scale*. Poster presentation, the annual meeting of the Society for Behavioral Medicine, Montreal, QC.
- Stevens, N., Karlson, C., Hamilton, N. A., Staecker, D., **Preacher, K. J.**, & Wallston, K. (March, 2009). *Biopsychosocial factors and perinatal healthcare decisions among primiparous and multiparous pregnant women*. Poster presentation, the 17<sup>th</sup> annual National Women's Health Congress, Williamsburg, VA. [abstract in *Journal of Women's Health*, 18, 758]
- Stevens, N., Karlson, C., Hamilton, N. A., Staecker, D., **Preacher, K. J.**, & Wallston, K. (March, 2009). *Do control beliefs and risk status affect pregnant women's perinatal health care decisions?* Poster presentation, the annual meeting of the American Psychosomatic Society, Chicago, IL.
- Landrum, Y. Y., Jackson, Y. K., Karpowitz, D., & **Preacher, K. J.** (August, 2008). *Parental psychological control perceived by African and European American adolescents*. Poster presentation, the annual meeting of the American Psychological Association, Boston, MA.
- \*Selig, J. P., & **Preacher, K. J.**, Card, N. A., & Little, T. D. (August, 2008). *Multilevel multiple-membership models for dyadic data*. Poster presentation, the annual meeting of the American Psychological Association, Boston, MA.
- Preacher, K. J.** (August, 2008). *Effect size, practical significance, and graphical representation for mediation effects*. Poster presentation, the annual meeting of the American Psychological Association, Boston, MA.
- Sawyer, K., Corsentino, E., **Preacher, K. J.**, Collins, N., Sachs-Ericsson, N., & Blazer, D. G. (July, 2008). *Race, depression, APOE, and dementia in a biracial sample of community dwelling elders*. Poster presentation, the 11<sup>th</sup> International Conference on Alzheimer's Disease & Related Disorders, Chicago, IL. [abstract in *Alzheimer's & Dementia*, 4, T682-T683]
- \*Gallagher, M. W., Lopez, S. J., & **Preacher, K. J.** (May, 2008). *The hierarchical structure of well-being*. Poster presentation, the annual meeting of the Association for Psychological Science, Chicago, IL.
- \*Selig, J. P., Wu, Y. P., & **Preacher, K. J.** (April, 2008). *Parenting and the home environment as mediators of the relationship between maternal depression and child vocabulary*. Poster presentation, the biennial meeting of the Society for Research in Human Development, Little Rock, AR.

- Preacher, K. J.**, Rucker, D. D., Tormala, Z. L., & Petty, R. E. (January, 2008). *Traditional mediation analysis reconsidered: Issues of partial versus full mediation*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, Albuquerque, NM.
- Preacher, K. J.** (May, 2007). *Revisiting statistical criteria for quantifying and testing mediation effects*. Poster presentation, the annual meeting of the Association for Psychological Science, Washington, DC.
- Sawyer, K., Sachs-Ericsson, N., **Preacher, K. J.**, & Blazer, D. G. (May, 2007). *The apolipoprotein E epsilon 4 allele predicts cognitive decline in a biracial sample of African American and white community-dwelling older adults*. Poster presentation, the annual meeting of the Association for Psychological Science, Washington, DC.
- Hawkley, L. C., **Preacher, K. J.**, & Cacioppo, J. T. (January, 2007). *Gender and sleep quality: Explaining individual differences in the association between interaction quality and loneliness*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, Memphis, TN.
- Preacher, K. J.**, Rucker, D. D., & Hayes, A. F. (January, 2006). *Demystifying moderated mediation: A unified framework for investigating conditional mediation effects in psychological research*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, Palm Springs, CA.
- Hawkley, L. C., **Preacher, K. J.**, & Cacioppo, J. T. (January, 2005). *Multilevel modeling of lagged effects: Affect and interaction quality in lonely and socially connected individuals*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, New Orleans, LA.
- Preacher, K. J.**, & Rucker, D. D. (January, 2005). *Probing significant interaction effects in path analysis*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, New Orleans, LA.
- Preacher, K. J.**, & Kim, C. (July, 2004). *Choosing the optimal number of factors in exploratory factor analysis*. Poster presentation, the annual meeting of the American Psychological Association, Honolulu, HI.
- Klein, H. J., Fan, J., & **Preacher, K. J.** (April, 2004). *Socialization efforts, content, and outcomes: A mediational approach*. Poster presentation, the 2004 Annual Conference of the Society for Industrial & Organizational Psychology, Chicago, IL.
- Preacher, K. J.**, & Rucker, D. D. (January, 2004). *Moderation of form vs. degree: A neglected distinction in social psychology*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, Austin, TX.
- Preacher, K. J.**, & Rucker, D. D. (February, 2003). *On the use of extreme groups analysis in the social sciences*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, Los Angeles, CA.
- Preacher, K. J.**, Rucker, D. D., & MacCallum, R. C. (February, 2002). *The consequences of dichotomizing quantitative variables*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, Savannah, GA.
- Preacher, K. J.**, Cunningham, W. A., Altman, A. M., & Banaji, M. R. (February, 2001). *Implicit attitude measures: Consistency, stability, and convergent validity*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, San Antonio, TX.
- Franco-Watkins, A. M., Derks, P. L., & **Preacher, K. J.** (April, 1999). *Learning to switch in the Monty Hall Problem*. Poster presentation, the annual meeting of the Eastern Psychological Association, Providence, RI.

## PROFESSIONAL SERVICE

### National and International

*Online statistical support: Statistical calculators* (2001 – present). Field ongoing statistical questions regarding a number of statistical calculator websites that I designed to serve the research community: <http://quantpsy.org>

*Online statistical support: Statistics Q&A Forum Co-Leader*, (2008 – 2011). Co-hosted a discussion forum (with Andrew Hayes) for researchers using mediation and moderation analysis. This involved answering thousands of research questions at no cost to users.

*Website and listserv designer/manager*, Society of Multivariate Experimental Psychology (1998 – 2009)

*Chair*, Methodology Track, Association for Psychological Science Program Committee (2008 – 2010)

*Chair*, Workshop Grant Committee, Society of Multivariate Experimental Psychology (2010 – present)

*Member*, Presidential Citations Committee, American Psychological Association (2013 – 2014)

*Member*, Innovation Committee, Society of Multivariate Experimental Psychology (2008 – 2010)

*Member*, Planning Committee, Society of Multivariate Experimental Psychology conference (2011 – 2014)

*Panelist*, Mentorship Roundtable, American Psychological Association Convention (2011)

*Reviewer*, IES Social and Behavioral review panel (2016)

*Reviewer*, NIMH RFA "Pediatric Suicide Prevention in Emergency Departments" (2014)

*Reviewer*, NIMH RFA "Innovative Approaches to Personalizing Treatment of Depression" (2008)

*Reviewer*, Developmental Methodology Panel, Society for Research on Adolescence (2007, 2009)

*Reviewer*, Evaluation, Measurement, & Statistics, American Psychological Association (2008, 2013)

### College and University

*Affiliated Faculty*, Data Science Institute, Vanderbilt (2018 – present)

*Panelist*, Faculty Insights Panel, Vanderbilt (2017)

*Member*, Dept. of Biostatistics chair search committee, Vanderbilt (2016 – 2017)

*Member*, Faculty/Student Task Force for Course Evaluation Completion (TFCEC), Vanderbilt (2016)

*Member*, University Graduate Fellowship Committee, Vanderbilt (2015)

*Delegate*, Graduate Faculty Delegate Assembly, Vanderbilt (2012 – 2013)

*Invited Lecturer*, Kennedy Center Statistics and Methodology Core training series, Vanderbilt (2013)

*Invited Lecturer*, Center for Health Services Research monthly seminar, Vanderbilt (2013)

*Member*, Psychological Sciences Distinguished Alumnus Lecture Committee, Vanderbilt (2012)

*Coordinator*, Graduate Quantitative Methods Minor, Vanderbilt (2012 – present)

*Coordinator*, Undergraduate Quantitative Methods minor, Vanderbilt (2012 – present)

*Member*, Randolph Blake Earlier Career Award Committee, Vanderbilt (2012 – 2014)

*Panelist*, Professional Development Panel, Peabody College, Vanderbilt (2011)

*Member*, Committee on Research, Peabody College, Vanderbilt Univ. (2011 – present)

*Leader/Founder*, Multilevel Structural Equation Modeling Workgroup, Univ. of Kansas (2010 – 2011)

*Member*, Academic misconduct panel, Univ. of Kansas (2008 – 2011)

*Associate*, Center for Research Methods & Data Analysis, Univ. of Kansas (2009 – 2011)

*Co-coordinator*, Methods Discussion Group; Schiefelbusch Life Span Inst., Univ. of Kansas (2007 – 2011)

## **Department**

*Committee Chair*, Faculty Review Committee, Psychology & Human Development, Vanderbilt (2016 – 2017)

*Member*, Hiring committee for Administrative Assistant I position (2016)

*Member*, Search committee for tenure-track asst./assoc. prof. in Quantitative Methods, Vanderbilt (2015 – 2017)

*Associate Chair of the Department of Psychology & Human Development*, Vanderbilt (2014 – present)

*Member, Executive Committee, Department of Psychology & Human Development*, Vanderbilt (2014 – present)

*Invited Speaker*, QM Colloquium Series, Psychology & Human Development, Vanderbilt (2012 – 2017)

*Invited Speaker*, Developmental Lunch Bunch, Psychology & Human Development, Vanderbilt (2013)

*Member, Graduate Student Awards Committee*, Psychology & Human Development, Vanderbilt (2014)

*Member*, Chair Recommendation Committee, Psychology & Human Development, Vanderbilt (2013)

*Committee Chair*, Graduate Admissions, Quantitative Psychology, Univ. of Kansas (2010 – 2011)

*Committee Chair*, Web & Technology, Dept. of Psychology, Univ. of Kansas (2009 – 2011)

*Member*, Website Committee, Quantitative Psychology, Univ. of Kansas. (2006 – 2011)

*Member*, Social & Behavioral Sciences Methodology Minor committee, Univ. of Kansas (2006 – 2011)

*Member*, Merit Evaluation Committee, Dept. of Psychology, Univ. of Kansas (2007 – 2009)

*Member*, Graduate Admissions Committee, Quantitative Psychology, Univ. of Kansas (2007 – 2009)

*Member*, Search committee for visiting asst. prof. in Quantitative Psychology, Univ. of Kansas (2007)

*Member*, Search committee for tenure-track asst. prof. in Quantitative Psychology, Univ. of Kansas (2007)

*Website designer/maintainer*, Quantitative Psychology / Thurstone Lab., UNC Chapel Hill (2003 – 2006)

*Website designer/maintainer*, Quantitative Psychology, Ohio State Univ. (1998 – 2003)

## **Editorial Boards**

*Psychological Methods* (Consulting Editor, 2009 – 2017; Associate Editor, 2018 – present)

*Journal of Educational and Behavioral Statistics* (Editorial Board, 2015 – present)

*Communication Methods & Measures* (Editorial Board, 2006 – present)

*Behavior Research Methods* (Editorial Board, 2017 – present)

*Multivariate Behavioral Research* (Consulting Editor, 2011 – present)

*Multivariate Behavioral Research* (Editorial Advisory Board, 2010 – 2013)

*Journal of Counseling Psychology* (Editorial Board, 2006 – 2012)

*Social & Personality Psychology Compass* (Editorial Board, 2006 – 2008)

*Basic & Applied Social Psychology* (Editorial Board, 2004 – 2008)

## Ad hoc Reviewer

*Advances in Methods and Practices in Psychological Science, American Educational Research Journal: Teaching, Learning, and Human Development, American Journal of Industrial Medicine, American Psychologist, Annals of Behavioral Medicine, Annals of Nutrition & Metabolism, Applied Psychological Measurement, Archives of Scientific Psychology, Basic & Applied Social Psychology, Behavior Research Methods, British Journal of Mathematical & Statistical Psychology, Child Development, Communication Methods & Measures, Communications in Statistics – Simulation and Computation, Computational Statistics & Data Analysis, Educational & Psychological Measurement, European Journal of Social Psychology, Evaluation & Program Planning, Frontiers in Quantitative Psychology & Measurement, Human Communication Research, International Journal of Behavioral Development, International Journal of Social Research Methodology, International Journal of Sports Psychology, Journal of Abnormal Psychology, Journal of Adolescence, Journal of Applied Psychology, Journal of Applied Social Psychology, Journal of Applied Statistics, Journal of Career Development, Journal of Clinical Child & Adolescent Psychology, Journal of Consulting & Clinical Psychology, Journal of Counseling Psychology, Journal of Early Adolescence, Journal of Educational & Behavioral Statistics, Journal of Educational Psychology, Journal of Experimental Social Psychology, Journal of Gerontology: Psychological Sciences, Journal of Pediatric Psychology, Journal of Personality, Journal of Personality & Social Psychology, Journal of Policy Analysis and Management, Journal of Positive Psychology, Journal of Research on Educational Effectiveness, Journal of Speech, Language, & Hearing Research, Journal of Studies on Alcohol & Drugs, Journal of the Association for Information Systems, Journal of the Royal Statistical Society, Medicine & Science in Sports & Exercise, Methodology: European Journal of Research Methods in the Behavioural & Social Sciences, MIS Quarterly, Multivariate Behavioral Research, Nature Climate Change, Organizational Research Methods, Personality & Social Psychology Bulletin, Prevention Science, Psychological Assessment, Psychological Medicine, Psychological Methods, Psychological Science, Psychology & Aging, Psychometrika, Social & Personality Psychology Compass, Social Cognition, Social Development, Social Forces, Social Psychological & Personality Science, Social Science & Medicine, Social Science Research, Sociological Methodology, Statistical Methodology, Statistics in Medicine, Structural Equation Modeling, The American Statistician*

## Professional Affiliations

APA Division 5: Evaluation, Measurement, & Statistics (1998 – present)

Association for Psychological Science (2002 – present)

AERA Division D: Measurement & Research Methodologies (SIGs #118, #140) (2014 – present)

Psychometric Society (1999 – present)

Society of Multivariate Experimental Psychology (2008 – present)

Society for Personality & Social Psychology (2001 – present)

## TEACHING

### Student Advising

**Dissertation committee chair:** Vincent Staggs (2009), Emily Fall (2011), Mark Lachowicz (2018)

**Dissertation committee co-chair:** Jaehoon Lee (2009), James P. Selig (2009), John Michael Clark III (2010); Alexander M. Schoemann (2011)

**Masters thesis committee chair:** Emily Fall (2009), Aaron Boulton (2011), Mark Lachowicz (2015)

**Honors thesis committee chair:** Adela Timmons (2010 – 2011).

**Dissertation committee member:** Yasuko Yamamoto (2007), Aryn Hirani (2007), Gita Sawalani (2008), Chantal Young (2009), Brenda Sampat (2009), Angela Banitt (2010), Stephanie Wallio (2009), Eric Benson (2008), Matthew Gallagher (2009), Kenneth Lehman (2009), Mark Ferguson (2008), Danyale McCurdy (2010), Hongwook Suh (2010), Ihno Lee (2011), Natalie Stevens (2011), Andrey Koval (2013 – 2014), Corinne Perkins (2014), Ben Tyndall (2015 – 2016), Lexa Murphy (2016), Samantha Viano (2016 – 2018), Woo-yeol Lee (2016 – 2018), Alexandria Hadd (2016 – present), Jason Rights (2017 – present), S. Mason Garrison (2017 – present), Erica Harbatkin (2018 – present)

**Masters thesis committee member:** Melinda Gaddy (2009), Natalie Stevens (2008), Scott Drotar (2011), Kelsey Laird (2013), Jason Rights (2015), S. Mason Garrison (2015 – 2016), Woo-yeol Lee (2015 – 2016), Alexandria Hadd (2016), Patrick O’Keefe (2018)

**Comprehensive exams committee chair:** Mark Lachowicz (2016)

**Comprehensive exams committee member:** Hongwook Suh (2007), Pui Chi (Lorraine) Chiu (2008), Alex Schoemann (2010), Waylon Howard (2011), Janet Super (2011), Chunmei Zhen (2011), Zairul Nor Deana Md Desa (2011), Andrey Koval (2013), Woo-yeol Lee (2016 – 2017), Alexandria Hadd (2016 – 2017), Jason Rights (2017), S. Mason Garrison (2017 – 2018), Patrick O’Keefe (2018 – 2019)

**Masters examination committee member:** Yudong Cao (2017)

**Advisory committee member:** Mercedes Spencer (2018)

**Curriculum committee member:** Hannah Krimm (2014)

**Honors thesis committee member:** Katherine Harr (2009), Richard Dyer (2012), Grace Carter (2018)

**Undergraduate departmental advising** (around 7-10 students per year 2012-present)

#### **Primary Advisees:**

Vincent Staggs (2007 – 2009)

Current Position: Associate Professor of Pediatrics, Children’s Mercy Kansas City / Biostatistics, University of Missouri Kansas City

James P. Selig (with Todd Little; 2007 – 2009)

Current Position: Associate Professor (with tenure) Biostatistics, Univ. of Arkansas Medical School

Emily Fall (2007 – 2011)

Current Position: Research Assistant Professor, University of Kansas Medical Center

Mark Lachowicz (2013 – 2018)

#### **Secondary Advisees:**

Jaehoon Lee (Primary Advisor: Todd Little; 2007 – 2009)

Current Position: Research Associate Professor, Texas Tech University

John Michael Clark III (Primary Advisor: Todd Little; 2007 – 2010)

Current Position: Senior Analytical Consultant, SAS Institute

Alexander M. Schoemann (Primary Advisor: Nyla Branscombe; 2010 – 2011)

Current Position: Assistant Professor, Psychology, East Carolina University

Jason Rights (Primary Advisor: Sonya Sterba; 2014 – present)



## **Graduate Course Instructor**

*Advanced Structural Equation Modeling*. University of Kansas (Spring, 2007, 2008)

*Advanced Structural Equation Modeling*. Vanderbilt University (Spring, 2018)

*Applied Nonparametric Statistical Methods*. University of Kansas (Fall, 2007, 2009, 2010)

*Applied Nonparametric Statistics*. Vanderbilt University (Spring, 2017)

*Factor Analysis*. University of Kansas (Spring, 2007, 2008, 2010)

*Factor Analysis*. Vanderbilt University (Spring, 2012, 2016)

*Hierarchical Linear Modeling in Educational Research*. Vanderbilt University (Fall, 2012)

*Multilevel Modeling*. University of Kansas (Fall, 2006, 2007; Spring, 2009, 2010, 2011);

*Multilevel Modeling*. Vanderbilt University (Fall, 2013, 2014, 2015, 2016, 2017, 2018; Spring, 2014, 2015, 2018)

*Independent Study*. University of Kansas (9 students; 2007 – 2011)

*Independent Study*. Vanderbilt University (1 student; 2015)

*Quantitative Psychology Proseminar*. University of Kansas (Fall, 2006)

*Statistical Consulting*. Vanderbilt University (Spring, 2019)

## **Undergraduate Course Instructor**

*Intro. to Statistical Analysis*. Vanderbilt University (Fall, 2011, 2012, 2013, 2014; Spring, 2012, 2013)

*Independent Study*. University of Kansas (6 students; 2007 – 2011)

*Introductory Statistics*. University of North Carolina at Chapel Hill (Spring, 2004; Summer, 2004; 2 sections, Fall, 2004; Summer, 2005)