

Kevin J. Grimm

Department of Psychology
Arizona State University
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EDUCATION

- Ph.D., Psychology, August 2006
University of Virginia, Charlottesville, VA
Advisors: John J. McArdle, Ph.D., John R. Nesselroade, Ph.D.
- M.A., Psychology, May 2003
University of Virginia, Charlottesville, VA
Advisor: John J. McArdle, Ph.D.
- B.A., Mathematics, Psychology, Concentration in Education, May 2000
Gettysburg College, Gettysburg, PA

PROFESSIONAL POSITIONS

2021-present	<u>Director of Operations and Research Facilitation</u>	Department of Psychology Arizona State University
2016-present	<u>Professor</u>	Department of Psychology Arizona State University
2014-2016	<u>Associate Professor</u>	Department of Psychology Arizona State University
2011-2014	<u>Associate Professor</u>	Department of Psychology University of California, Davis
2007-2011	<u>Assistant Professor</u>	Department of Psychology University of California, Davis
2006-2007	<u>Research Associate</u>	Center for the Advanced Study of Teaching and Learning

FELLOWSHIPS & AWARDS

- 2021 Barbara Byrne Book Award, *Society of Multivariate Experimental Psychology* for

Grimm, K. J., Ram, N., & Estabrook, R. (2017). *Growth modeling: Structural equation and multilevel modeling approaches*. New York: Guilford Publications.

- 2021 Tanaka Award, *Society of Multivariate Experimental Psychology* for
 McNeish, D., Dumas, D. G., & Grimm, K. J. (2020). Estimating new quantities from longitudinal test scores to improve forecasts of future performance. *Multivariate behavioral research*, 55(6), 894-909.
- 2017 Early Career Research Award, *Society of Multivariate Experimental Psychology*
- 2015 Elected member of the *Society of Multivariate Experimental Psychology*
- 2013 Best Poster, *Biennial Meeting of Association for Research in Personality*
- 2013 Award for Excellence in Service to Graduate Students, Graduate Student Association, University of California, Davis
- 2010 Excellence in Education Award Nominee, Associated Students of the University of California, Davis
- 2009 Article of the Year Award for *School Psychology Review*
- 2009 COR Academic Senate Research Travel Award, University of California, Davis
- 2005 *Society of Multivariate Experimental Psychology* Dissertation Research Award
- 2005 *American Psychological Association* Dissertation Research Award
- 2005-2006 Institute of Education Sciences Fellowship, Curry School of Education, University of Virginia
- 2002-2005 NIA Aging Research Methodology Traineeship, University of Virginia
- 2001-2004 Presidential Fellowship, University of Virginia
- 2003-2005 Robert J. Huskey Travel Award, University of Virginia
- 2000 Earl Ziegler Senior Mathematics Award, Gettysburg College
- 1999 Earl Ziegler Junior Mathematics Award, Gettysburg College

GRANTS/RESEARCH SUPPORT

ONGOING RESEARCH SUPPORT

Daniel McNeish (PI)

Title: Addressing small sample and computational issues in mixture models
 Total Cost: \$209,305
 Dates: 08/01/2019 to 07/31/2021
 Role: Co-Investigator

2R01HL116490-05A1
 Irwin Feinberg (PI)

Title: Longitudinal measurement of the changing sleep need in adolescence
 Total Cost: \$118,433
 Dates: 07/01/2018 to 06/30/2022
 Role: Subaward PI

Ariel Sternberg (PI)

Title: Elucidating the effect of alcohol-related services on abstinence, recovery from alcohol use disorder
 Total Cost: \$106,826
 Dates: 04/01/2018 to 03/31/2020
 Role: Co-Sponsor

Danielle McNamara (PI)

Title: The development of the Writing Assessment Tool: An on-line platform for the automated assessment of writing
 Granting Agency: Institute of Education Sciences
 Total Cost: \$1,399,327
 Dates: 07/01/2018 to 06/30/2022
 Role: Co-Investigator

Cady Berkel (PI)

Title: The Family Check-Up for Health
 Granting Agency: Centers for Disease Control
 Total Cost: \$2,219,130
 Dates: 05/01/2018 to 04/30/2023
 Role: Co-Principal Investigator

Leigh McLean (PI)

Title: Exploring elementary teachers' feelings, beliefs, and effectiveness across mathematics, science, and literacy
 Granting Agency: Institute of Education Sciences
 Total Cost: \$1,396,914
 Dates: 7/1/2018 to 06/30/2022
 Role: Co-Investigator

W911NF-17-1-0175

Adam Cohen (PI)

Title: Broadening our view of culture
 Granting Agency: US Army Research Institute
 Total Cost: \$1,788,501
 Dates: 05/01/2017 to 04/30/2021
 Role: Co-Principal Investigator

60699

Frank Infurna (PI)

Title: The pathways to character project
 Granting Agency: John Templeton Foundation
 Total Cost: \$3,339,877
 Dates: 12/01/2016 to 11/30/2019
 Role: Co-Investigator

R01HD086085

Kathryn Lemery/Mary Davis (PI)

Title: Genetic and environmental origins of the development of pain in children
 Granting Agency: NIH
 Total Cost: \$3,699,948
 Dates: 07/01/2016 to 06/30/2021
 Role: Co-Investigator

U18DP006255

Cady Berkel (PI)

Title: An individually tailored, family-centered intervention for childhood obesity
 Granting Agency: CDC
 Cost: \$3,790,570
 Dates: 06/01/2016 to 09/29/2018
 Role: Co-Investigator

R01-HD051498-06A1

Jason Downer (PI)

Title: Behavioral engagement and executive functions as contributors to school readiness
 Granting Agency: NICHD
 Subcontract Cost: \$195,479
 Dates: 07/01/16 to 06/30/21
 Role: Subcontract Principal Investigator

Dustin Pardini (PI)

Title: Optimizing screening tools for identifying children at risk of violence
 Granting Agency: NIH
 Subcontract Cost: \$2,197,000
 Dates: 09/01/15 to 08/31/19
 Role: Co-Investigator

DA009757-14

David MacKinnon (PI)

Title: Estimating mediation effects in prevention studies
 Granting Agency: NIH
 Total Cost: \$1,862,723
 Dates: 07/01/2015 to 06/30/2020
 Role: Co-Investigator

T32-DA039772-01

Laurie Chassin (PI)

Title: Research training in drug abuse/HIV prevention: closing the research-practice gap
 Granting Agency: NIH
 Total Cost: \$1,948,920
 Dates: 07/01/2015 to 06/30/20
 Role: Co-Investigator

R01HD079520

Leah Doane (PI)

Title: Social and genetic contributions to children's sleep, health and functioning
 Granting Agency: NICHD
 Total Cost: \$1,949,668
 Dates: 05/15/2015 to 04/30/2020

Role: Co-Investigator

Carol Connor (PI)

Title: Exploring Electronic-Book Affordances to Enhance Elementary Students' Word Knowledge and Comprehension

Granting Agency: IES

Total Cost: \$1,599,998

Dates: 07/01/2015 to 06/30/2019

Role: Co-Investigator

R305A160023

Virginia Kwan (PI)

Title: Strengthening Present-Future Self-Continuity Mitigates Temporal Discounting and Improves College Persistence

Granting Agency: IES

Total Cost: \$1,543,758

Dates: 07/01/2015 to 06/30/2019

Role: Co-Investigator

COMPLETED RESEARCH SUPPORT

REAL-1252463

David Grissmer (PI)

Title: Developmental Skills Linked to Math and Science Achievement: An Interdisciplinary Data-Intensive Approach to Identification and Improvement through Experimental Intervention

Granting Agency: National Science Foundation

Subcontract Cost: \$438,171

Dates: 09/01/2013 to 08/30/2018

Role: Subcontract Principal Investigator

Adela Grando (PI)

Title: Data-driven behavioral change interventions to improve Type 1 Diabetes (T1D) Treatment

Granting Agency: Mayo Clinic

Total Cost: \$100,000

Dates: 01/01/2018 to 12/31/2018

Role: Co-Investigator

1R01HL116490-01A1

Irwin Feinberg (PI)

Title: Longitudinal Measurement of the Changing Sleep Need in Adolescence

Granting Agency: National Institute of Health

Subcontract Cost: \$60,223

Dates: 07/01/2013 to 06/30/2018

Role: Subcontract Principal Investigator

R01MH093605

Kate Keenan (PI)

Title: Changes in Brain Function during Adolescence and Risk for Depression in Girls

Granting Agency: National Institute of Mental Health

Total Cost: \$1,794,200

Dates: 04/01/2011 to 03/31/2016

Role: Co-Investigator

1R01MH091109-01

Simona Ghetti (PI)

Title: Role of Hippocampus and its Projections in Episodic Memory Development

Granting Agency: National Institute of Health

Total Cost: \$2,359,570

Dates: 07/01/2011 to 06/30/2016

Role: Co-Investigator

1R01AA020519-01A1

Jeffrey S. Simons (PI)

Title: Traumatic Stress and Alcohol Problems: Between- and Within-Person Associations

Granting Agency: National Institute of Health

Direct Cost: \$1,686,888

Dates: 09/15/2012 to 08/31/2016

Role: Consultant

R305A110730

Susanne Denham (PI)

Title: Early Childhood Teachers as Socializers of Young Children's Emotional Competence

Granting Agency: Institute of Education Sciences

Direct Cost: \$1,249,032

Dates: 08/01/2012 to 07/31/2016

Role: Consultant

N65236-08-1-6401

Cynthia L. Pickett (PI)

Title: Assessing the Predictors of U.S. National Identification and Allegiance

Granting Agency: DN Space & Naval Warfare Systems Command

Total Cost: \$216,459

Dates: 10/01/2008 to 08/31/2009

Role: Co-Investigator

R305A06021

Robert C. Pianta (PI)

Title: National Center for Research on Early Childhood Education

Granting Agency: US Department of Education, Institute of Education Sciences

Subcontract Cost: \$78,000

Subcontract Dates: 01/01/2008 to 12/31/2010

Role: Subcontract Principal Investigator

DRL-0815787

David Grissmer (PI)

Title: Math and Science Achievement Gaps for Minority and Disadvantaged Students: Developmental and Environmental Influences from 9 Months to 8th Grade

Granting Agency: National Science Foundation

Subcontract Cost: \$241,647

Dates: 09/01/2008 to 08/31/2011

Role: Subcontract Principal Investigator

07-2040

Gail Goodman (PI)

Title: CDSS-UCD Center for Public Policy Research
 Granting Agency: California Department of Social Services
 Total Cost: \$3,500,094
 Dates: 01/01/2008 to 06/30/2011
 Role: Co-Investigator

R03 62755

Katherine Graf-Estes (PI)

Title: Linking Statistical Learning to Vocabulary Development
 Granting Agency: National Institute of Child Health and Human Development
 Total Cost: \$131,000
 Dates: 07/1/2010 to 06/30/2012
 Role: Co-Investigator

R01MH058144

Susan Calkins (PI)

Title: Developmental Trajectories of Early Behavior Problems
 Granting Agency: National Institute of Mental Health
 Direct Cost: \$1,825,790
 Dates: 04/01/2010 to 02/28/2015
 Role: Consultant

1R01MH093426-01A1

Richard Van Dorn (PI)

Title: Violence and Victimization in Adults with Mental Illness
 Granting Agency: National Institute of Mental Health
 Subcontract Cost: \$132,999
 Dates: 09/18/2012 to 06/30/2015
 Role: Subcontract Principal Investigator

1R21HD068744-01A1

Susanne Denham (PI)

Title: Computerized Social-Emotional Assessment Battery for School Readiness
 Granting Agency: NICHD
 Direct Cost: \$368,888
 Dates: 03/01/2012 to 02/28/2014
 Role: Consultant

PUBLICATIONS

* indicates undergraduate or graduate student at the time work was conducted

BOOKS

1. Grimm, K. J., Ram, N., & Estabrook, R. (2017). *Growth modeling: Structural equation and multilevel modeling approaches*. New York, NY: Guilford.
2. Ferrer, E., Boker, S. M., & Grimm, K. J. (2019). *Longitudinal multivariate psychology*. New York, NY: Routledge.

3. Jacobucci, R., & Grimm, K. J. (under contract). Exploratory data mining for social and behavioral scientists. New York, NY: Guilford.

ARTICLES

1. Cox, D. J., Kovatchev, B. P., Gonder-Frederick, L. A., Summers, K., McCall, A., Grimm, K. J., & Clarke, W. L. (2005). Relationships between hyperglycemia and cognitive performance among adults with type 1 and type 2 diabetes. *Diabetes Care*, *28*, 71-77.
2. Bowles, R. P., Grimm, K. J., & McArdle, J. J. (2005). A structural factor analysis of vocabulary knowledge and relations to age. *Gerontology: Psychological Sciences*, *60B*, P234-P241.
3. Justice, L. M., Kaderavek, J., Bowles, R. P., & Grimm, K. J. (2005). Language impairment, parent-child shared reading, and phonological awareness: A feasibility study. *Topics in Early Childhood Special Education*, *25*, 143-156.
4. Ram, N., Chow, S. M., Bowles, R. P., Wang, L., Grimm, K. J., Fujita, F., & Nesselroade, J. R. (2005). Examining interindividual differences in cyclicity of pleasant and unpleasant affect using spectral analysis and item response modeling. *Psychometrika*, *70*, 773-790.
5. King, D., King, L., McArdle, J. J., Grimm, K. J., Jones, R. T., & Ollendick, T.H. (2006). Characterizing time in longitudinal trauma research. *Journal of Traumatic Stress*, *19*, 205-215.
6. Dohrmann, K. R., Nishida, T. K., Gartner, A., Lipsky, D.K., & Grimm, K. J. (2007). High school outcomes for students previously in a public Montessori program. *Journal of Research in Childhood Education*, *22*, 205-217.
7. Grimm, K. J. (2007). Multivariate longitudinal methods for studying developmental relationships between depression and academic achievement. *International Journal of Behavioral Development*, *31*, 328-339.
8. Ram, N., & Grimm, K. J. (2007). Using simple and complex growth models to articulate developmental change: Matching method to theory. *International Journal of Behavioral Development*, *31*, 303-316.
9. Zhang, Z., Hamagami, F., Wang, L., Grimm, K. J., & Nesselroade, J. R. (2007). Bayesian analysis of longitudinal data using growth curve models. *International Journal of Behavioral Development*, *31*, 374-383.
10. Brock, L. L., Nishida, T. K., Chiong, C., & Grimm, K. J., Rimm-Kaufman, S. E. (2008). Children's perceptions of the classroom environment and social and academic performance: A longitudinal analysis of the contribution of the responsive classroom approach. *Journal of School Psychology*, *46*, 129-149.
11. Grimm, K. J. (2008). Longitudinal associations between reading and mathematics. *Developmental Neuropsychology*, *33*, 410-426.
12. Skibbe, L. E., Grimm, K. J., Stanton-Chapman, T., Justice, L. M., Pence, K. L., & Bowles, R. P. (2008). Reading trajectories of children with language impairment from preschool to fifth grade. *Language, Speech, and Hearing Services in Schools*, *39*, 475-486.

13. Grimm, K. J., Pianta, R. C., & Konold, T. R. (2009). Longitudinal multitrait-multimethod models for developmental research. *Multivariate Behavioral Research, 44*, 233-258.
14. Cameron Ponitz, C., Rimm-Kaufman, S. E., Grimm, K. J., & Curby, T. W. (2009). Kindergarten classroom quality, behavioral engagement, and reading achievement. *School Psychology Review, 38*, 102-120.
15. McArdle, J. J., Grimm, K. J., Hamagami, F., Bowles, R. P., & Meredith, W. (2009). Modeling lifespan growth curves of cognition using longitudinal data with multiple samples and changing scales of measurement. *Psychological Methods, 14*, 126-149.
16. Grimm, K. J., & Ram, N. (2009). Nonlinear growth models in *Mplus* and SAS. *Structural Equation Modeling: A Multidisciplinary Journal, 16*, 676-701.
17. Rimm-Kaufman, S. E., Curby, T. W., Grimm, K. J., Brock, L. L., & Nathanson, L. (2009). The contribution of children's self-regulation and classroom quality to children's adaptive behaviors in the kindergarten classroom. *Developmental Psychology, 45*, 958-972.
18. Grimm, K. J., & Ram, N. (2009). A second-order growth mixture model for developmental research. *Research in Human Development, 2-3*, 121-143.
19. Brock, L. L., Rimm-Kaufman, S. E., Nathanson, L., & Grimm, K. J. (2009). The contribution of 'hot' and 'cool' executive function to children's academic achievement and classroom behavior. *Early Childhood Research Quarterly, 24*, 337-349.
20. Ram, N., & Grimm, K. J. (2009). Growth mixture modeling: A method for identifying differences in longitudinal change among unobserved groups. *International Journal of Behavioral Development, 33*, 565-576.
21. Curby, T. W., Grimm, K. J., & Pianta, R. C. (2010). Stability and change in early childhood classroom interactions during the first two hours of a day. *Early Childhood Research Quarterly, 25*, 373-384.
22. Barrett, F. S., Grimm, K. J., Robins, R., Wildschut, T., Sedikides, C., & Janata, P. (2010). Music-Evoked nostalgia: Affect, memory, and personality. *Emotion, 10*, 390-403.
23. Grimm, K. J., & Widaman, K. F. (2010). Residual structures in latent growth curve analysis. *Structural Equation Modeling: A Multidisciplinary Journal, 17*, 424-442.
24. Grimm, K. J., *Steele, J. S., Mashburn, A. J., Burchinal, M., & Pianta, R. C. (2010). Early behavioral associations of achievement trajectories. *Developmental Psychology, 46*, 976-983.
25. Grissmer, D., Grimm, K. J., Aiyer, S. M., Murrah, W. M., & Steele, J. S. (2010). Fine motor skills and early comprehension of the world: Two new school readiness indicators. *Developmental Psychology, 46*, 1008-1017.
26. Blandon, A. Y., Calkins, S. D., Grimm, K. J., Keane, S. P., & O'Brien, M. (2010). Testing a developmental cascade model of emotional and social competence and early peer acceptance. *Development and Psychopathology, 22*, 737-748.
27. Grimm, K. J., Ram, N., & Estabrook, R. (2010). Nonlinear structured growth mixture models in *Mplus* and OpenMx. *Multivariate Behavioral Research, 45*, 887-909.

28. Guyer, A. E., Choate, V. R., Grimm, K. J., Pine, D. S., & Keenan, K. (2011). Emerging depression is associated with face memory deficits in adolescent girls. *Journal of the American Academy of Child and Adolescent Psychiatry, 50*, 180-190.
29. Woods, C. M., & Grimm, K. J. (2011). Testing for nonuniform differential item functioning with multiple indicator multiple cause models. *Applied Psychological Measurement, 35*, 339-361.
30. Curby, T. W., Stuhlman, M., Grimm, K. J., Mashburn, A. J., Chomat-Mooney, L., Downer, J., Hamre, B. K., & Pianta, R. C. (2011). Within-day variability in the quality of classroom interactions during third and fifth grade: Implications for children's experiences and conducting classroom observations. *Elementary School Journal, 112*, 16-37.
31. Marceau, K., Ram, N., Houts, R. M., Grimm, K. J., & Susman, E. J. (2011). Individual differences in boys' and girls' timing and tempo of puberty: Modeling development with nonlinear growth models. *Developmental Psychology, 47*, 1389-1409.
32. Grimm, K. J., Ram, N., & Hamagami, F. (2011). Nonlinear growth curves in developmental research. *Child Development, 82*, 1357-1371.
33. *Song, H., Cai, H., Brown, J. D., & Grimm, K. J. (2011). Detecting and evaluating differential item functioning of the Rosenberg Self-Esteem Scale in the U.S. and China: Measurement bias matters. *Asian Journal of Social Psychology, 14*, 176-188.
34. Downer, J. T., Lopez, M. L., Grimm, K. J., Hamagami, F., Pianta, R. C., & Howes, C. (2012). Observations of teacher-child interactions in classrooms serving Latinos and dual language learners: Applicability of the Classroom Assessment Scoring System in diverse settings. *Early Childhood Research Quarterly, 27*, 21-32.
35. Grimm, K. J. (2012). Intercept centering and time coding in latent difference score models. *Structural Equation Modeling: A Multidisciplinary Journal, 19*, 137-151.
36. Small, B. J., Dixon, R. A., McArdle, J. J., & Grimm, K. J. (2012). Do changes in lifestyle engagement moderate cognitive decline in normal aging? Evidence from the Victoria Longitudinal Study. *Neuropsychology, 26*, 144-155.
37. Campbell, I. G., Grimm, K. J., de Brie, E., & Feinberg, I. (2012). Sex, puberty, and the timing of sleep EEG measured adolescent brain maturation. *Proceedings of the National Academy of Sciences, 109*, 5740-5743.
38. Skibbe, L. E., Grimm, K. J., Bowles, R. P., & Morrison, F. J. (2012). Literacy growth in the academic year versus summer from preschool through second grade: Differential effects of schooling across four skills. *Scientific Study of Reading, 16*, 141-165.
39. Grimm, K. J., An, Y., McArdle, J. J., Zonderman, A. B., & Resnick, S. M. (2012). Recent changes leading to subsequent changes: Extensions of multivariate latent difference score models. *Structural Equation Modeling: A Multidisciplinary Journal, 19*, 268-292.
40. Feinberg, I., Davis, N. M., de Brie, E., Grimm, K. J., & Campbell, I. G. (2012). The maturational trajectories of NREM and REM sleep durations differ across adolescence on both school-night and extended sleep. *American Journal of Physiology - Regulatory, Integrative and Comparative Physiology, 302*, R533-R540.

41. Estabrook, R., Grimm, K. J., & Bowles, R. P. (2012). A Monte Carlo Simulation study of the reliability of within-person variability. *Psychology & Aging, 27*, 560-576.
42. MacNamara, M. M. C., Taylor, J. S., Grimm, K. J., Taylor, L. E., & Gottlieb, A. S. (2012). Using a professional organization, MomDocFamily, to understand the lives of physician-mothers. *Medicine & Health, 95*, 185-189.
43. Wang, L., & Grimm, K. J. (2012). Investigating reliabilities of intra-individual variability indicators. *Multivariate Behavioral Research, 47*, 771-802.
44. Grimm, K. J., *Kuhl, A. P., & Zhang, Z. (2013). Measurement models, estimation, and the study of change. *Structural Equation Modeling: A Multidisciplinary Journal, 20*, 504-517.
45. Widaman, K. F., Grimm, K. J., Early, D. W., Robins, R. W., & Conger, R. D. (2013). Investigating factorial invariance of latent variables across populations when manifest variables are missing completely. *Structural Equation Modeling: A Multidisciplinary Journal, 20*, 384-408.
46. Grimm, K. J., *Steele, J. S., Ram, N., & Nesselroade, J. R. (2013). Exploratory latent growth models in the structural equation modeling framework. *Structural Equation Modeling: A Multidisciplinary Journal, 20*, 568-591.
47. *Castro-Schilo, L., Widaman, K. F., & Grimm, K. J. (2013). Neglect the structure of multitrait-multimethod data at your peril: Implications for associations with external variables. *Structural Equation Modeling: A Multidisciplinary Journal, 20*, 181-207.
48. Grimm, K. J., Zhang, Z., Hamagami, F., & Mazzocco, M. M. (2013). Modeling nonlinear change via latent change and latent acceleration frameworks: Examining velocity and acceleration of growth trajectories. *Multivariate Behavioral Research, 48*, 117-143.
49. Chow, S. M., Grimm, K. J., Filteau, G., Dolan, C. V., & McArdle, J. J. (2013). Regime-switching bivariate dual change score model. *Multivariate Behavioral Research, 48*, 463-502.
50. Mazzocco, M., & Grimm, K. J. (2013). Growth in rapid automatized naming from K – 8 in children with math or reading disabilities. *Journal of Learning Disabilities, 46*, 517-533.
51. Grimm, K. J., *Casto-Schilo, L., & *Davoudzadeh, P. (2013). Modeling intraindividual change in nonlinear growth models with latent change scores. *GeroPsych, 26*, 153-162.
52. Nelson, J. A., O'Brien, M., Grimm, K. J., Leerkes, E. M. (2014). Identifying mother-child interaction styles using a person-centered approach. *Social Development, 23*, 306-324.
53. *Castro-Schilo, L., Widaman, K. F., & Grimm, K. J. (2014). Toward improving the modeling of MTMM data: A response to Geiser, Koch, and Eid (2014). *Structural Equation Modeling: A Multidisciplinary Journal, 21*, 524-533.
54. Desmarais, S. L., Van Dorn, R. A., Johnson, K., & Grimm, K. J., Douglas, K. S., & Swartz, M. S. (2014). Community violence perpetration and victimization among adults with mental illness. *American Journal of Public Health, 104*, 2342-2349.
55. Pianta, R. C., Burchinal, M., Jamil, F., Sabol, T., Grimm, K., Hamre, B., Downer, J. Locasale-Crouch, J., & Howes, C. (2014). A cross-lag analysis of longitudinal associations between preschool teachers' instructional support identification skills and observed behavior. *Early Childhood Research Quarterly, 29*, 144-154.

56. Keenan, K., Culbert, K., Grimm, K. J., Hipwell, A., & Stepp, S. (2014). Timing and tempo: Exploring the complex association between pubertal development and depression in African American and European American girls. *Journal of Abnormal Psychology, 123*, 725-736.
57. *Aichele, S., Mulder, M. B., James, S., & Grimm, K. (2014). Attitudinal and behavioral characteristics predict high risk sexual activity in rural Tanzanian youth. *PLOS One, 9*, e99987.
58. Zhang, Z., Hamagami, F., Grimm, K. J., & McArdle, J. J. (2015). Using R Package RAMpath for tracing SEM path diagrams and conducting complex longitudinal data analysis. *Structural Equation Modeling: A Multidisciplinary Journal, 22*, 132-147.
59. *Serang, S., Zhang, Z., *Helm, J., *Steele, J. S., & Grimm, K. J. (2015). Evaluation of a Bayesian approach to estimating nonlinear mixed-effects mixture models. *Structural Equation Modeling: A Multidisciplinary Journal, 22*, 202-215.
60. Cameron, C. E., Grimm, K. J., *Steele, J. S., *Castro-Schilo, L., & Grissmer, D. W. (2015). Nonlinear Gompertz curve models of achievement gaps in mathematics and reading. *Journal of Educational Psychology, 107*, 789-804.
61. Nestler, S., Grimm, K. J., Schönbrodt, F. D. (2015). The social consequences and mechanisms of personality: How to analyze longitudinal data from individual, dyadic, round-robin, and network designs. *European Journal of Personality, 29*, 272-295.
62. *Davoudzadeh, P., *McTernan, M. L., & Grimm, K. J. (2015). Early school readiness predictors of grade retention from kindergarten through eighth grade: A multilevel discrete-time survival analysis approach. *Early Childhood Research Quarterly, 32*, 183-192.
63. Perkeybile, A. M., Delaney-Busch, N., Hartman, S., Grimm, K. J., & Bales, K. L. (2015). Intergenerational transmission of alloparental behavior and oxytocin and vasopressin receptor distribution in the prairie vole. *Frontiers in Behavioral Neuroscience, 9*, 191.
64. Johnson, K. L., Desmarais, S. L., Van Dorn, R. A., & Grimm, K. J. (2015). A typology of community violence perpetration and victimization among adults with mental illnesses. *Journal of Interpersonal Violence, 30*, 522-540.
65. Grimm, K. J., & *Marcoulides, K. M. (2016). Individual change and the timing and onset of important life events: Methods, models, and assumptions. *International Journal of Behavioral Development, 40*, 87-96.
66. Graf-Estes, K., Chen-Wu Gluck, S., & Grimm, K. J. (2016). Finding patterns and learning words: Infant phonotactic knowledge is associated with vocabulary size. *Journal of Experimental Child Psychology, 146*, 34-49.
67. *Liu, H., Zhang, Z., & Grimm, K. J. (2016). Comparison of Inverse-Wishart and separation-strategy priors for Bayesian estimation of covariance parameter matrix in growth curve analysis. *Structural Equation Modeling: A Multidisciplinary Journal, 23*, 354-367.
68. Grimm, K. J., & *Liu, Y. (2016). Residual structures in growth models with ordinal outcomes. *Structural Equation Modeling: A Multidisciplinary Journal, 23*, 466-475.

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14. Widaman, K. F., & Grimm, K. J. (2013). Exploratory analysis of risk factors during pregnancy and the neonatal period in children born to mother with phenylketonuria. In J. J. McArdle & G. Ritschard (Eds.), *Contemporary issues in exploratory data mining* (pp.450-470). New York: Routledge Press.
15. Grimm, K. J., Ram, N., Shiyko, M. P., & Lo, L. L. (2013). A simulation study of the ability of growth mixture models to uncover growth heterogeneity. In J. J. McArdle & G. Ritschard (Eds.), *Contemporary issues in exploratory data mining* (pp. 172-189). New York: Routledge Press.
16. Widaman, K. F., & Grimm, K. J. (2014). Advanced psychometrics: Confirmatory factor analysis, item response theory, and the study of measurement invariance. In H. T. Reis & C. M. Judd (Eds.), *Handbook of research methods in social and personality psychology* (2nd ed., 534-570). Cambridge: Cambridge University Press.
17. Ram, N., & Grimm, K. J. (2015). Growth curve modeling and longitudinal factor analysis. In W. F. Overton & P. C. M. Molenaar (Eds.), *Handbook of child psychology and developmental science: Theory & method* (pp. 758-788). Hoboken, NJ: Wiley.
18. Kim-Spoon, J., & Grimm, K. J. (2016). Latent growth modeling and developmental psychopathology. In D. Cicchetti (Eds.), *Developmental psychopathology* (3rd ed. pp., 986-1041). Hoboken, NJ: Wiley.
19. Grimm, K. J., & *Helm, J. L. (2016). Latent class analysis and growth mixture models. In S. K. Whitbourne (Ed.), *Encyclopedia of adulthood and aging* (pp. 731-737). Hoboken, NJ: Wiley-Blackwell.
20. Grimm, K. J., & McArdle, J. J. (2017). Structural equation modeling. In B. Hopkins, E. Geangu, & S. Linkenauger (Eds.), *The Cambridge encyclopedia of child development* (2nd ed., pp. 196-200). Cambridge, UK: Cambridge University Press.
21. Bowles, R. P., Schmidt, K. M., Kline, T. L., & Grimm, K. J. (2018). Ben Wright, Rasch measurement, and cognitive psychology. In M. Wilson & W. P. Fisher Jr. (Eds.), *Psychological and social measurement: The career and contributions of Benjamin D. Wright* (pp. 119-133). Cham, Switzerland: Springer International Publishing.
22. Kim-Spoon, J., Maciejewski, D. F., & Grimm, K. J. (2019). Contemporary quantitative statistical methods for family psychology. In B. Fiese, M. Celano, K. Deater-Deckard, E. N. Jouriles, & M. A. Whisman (Eds), *APA Handbook of Contemporary Family Psychology: Volume 1. Foundations, methods, and contemporary issues across the lifespan.* (pp. 299-316). Washington, DC: American Psychological Association.
23. Grimm, K. J., & *Jacobucci, R. (2019). Individually varying time metrics in latent change score models. In E. Ferrer, S. M. Boker, & K. J. Grimm (Eds.), *Longitudinal multivariate psychology* (pp. 61-79). New York, NY: Taylor & Francis.

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25. *Fine, K. L., & Grimm, K. J. (2019). Multilevel modeling and multilevel structural equation modeling in lifespan developmental analysis. In B. Knight (Ed.), *Oxford Research Encyclopedia of Psychology and Aging* (pp. 1-24). Oxford University Press.
26. Grimm, K. J., *Stegmann, G., Jacobucci, R., & Serang, S. (2020). Big data in developmental psychology. In S. E. Woo, L. Tay, & R. W. Proctor (Eds.), *Big data in psychological research* (pp. 297-318). Washington, DC: American Psychological Association.
27. Grimm, K. J., & Helm, J. L. (2020). Teaching statistical concepts through a scale development project. In J. L. Rodgers (Ed.), *Teaching statistics* (pp. 281-290). New York: Taylor & Francis.
28. Infurna, F. J., Staben, O. E., Gardner, M. J., Grimm, K. J., & Luthar, S. S. (2021). Studying post-traumatic growth across the adult lifespan: Conceptual and methodological considerations. In (Eds.), *Redesigning research on post-traumatic growth: Challenges, pitfalls and new directions* (pp. 186-211). Oxford.
29. Grimm, K. J., & Widaman, K. F. (in press). Construct validity. In H. Cooper, P. M. Camic, D. L. Long, A. T. Panter, D. Rindskopf, & K. J. Sher (Eds.), *APA Handbook of research methods in psychology, Vol 1: Foundations, planning, measures, and psychometrics* (2nd Edition, pp. xx-xx). Washington, DC: American Psychological Association.
30. Grimm, K. J., Jacobucci, R., & McArdle, J. J. (in press). Decision trees and ensemble methods in the behavioral sciences. In H. Cooper, P. M. Camic, D. L. Long, A. T. Panter, D. Rindskopf, & K. J. Sher (Eds.), *APA Handbook of research methods in psychology, Vol 3: Data analysis and research publications* (2nd Edition, pp. xx-xx). Washington, DC: American Psychological Association.
31. Grimm, K. J., & McArdle, J. J. (in press). Latent curve modeling of longitudinal growth data. In R. H. Hoyle (Ed.), *Handbook of structural equation modeling* (2nd Edition, pp. xx-xx). New York: Guilford Press:

COMMENTARIES

1. Widaman, K. F., & Grimm, K. J. (2009). Invariance or noninvariance, that is the question. *Measurement: Interdisciplinary Research and Perspectives*, 7, 8-12.
2. West, S. G., & Grimm, K. J. (2014). Causal indicator models: Unresolved issues of construction and evaluation. *Measurement: Interdisciplinary Research and Perspectives*, 12, 160-164.

PUBLISHED ABSTRACTS

1. *Castro-Schilo, L., Grimm, K. J., & Widaman, K. F. (2013). Abstract: Uncrossing the correlated trait-correlated method model for multitrait-multimethod data. *Multivariate Behavioral Research*, 48, 152.
2. *Staben, O. E., Infurna, F., Grimm, K., & Luthar, S. (2019). Examining the role of adversity and positive life events in the relation between gratitude and well-being. *Innovation in Aging*, 3, 928.

3. Infurna, F. J., Grimm, K. J., Luthar, S. S., & Staben, O. (2021). Do objective or subjective neighborhood indicators protect against adversity on mental health and well-being? *Innovation in Aging*, 5, 391.

BOOK/SOFTWARE REVIEWS

1. Grimm, K. J. (2016). A review of Handbook of Intraindividual Variability Across the Life Span. *Journal of Educational and Behavioral Statistics*, 41, 550-553.
2. Grimm, K. J. (2017). A review of Longitudinal Data Analysis using Structural Equation Models. *Psychometrika*, 82, 530-532.
3. Grimm, K. J. (2017). A review of Multilevel Modeling using Mplus. *Structural Equation Modeling: A Multidisciplinary Journal*, 24, 960-962.
4. *Stegmann, G., Jacobucci, R., Harring, J. R., & Grimm, K. J. (2018). Nonlinear mixed-effects modeling programs in R. *Structural Equation Modeling: A Multidisciplinary Journal*, 25, 160-165.
5. *Lee, W., & Grimm, K. J. (2018). Generalized linear mixed-effects modeling programs in R for binary outcomes. *Structural Equation Modeling: A Multidisciplinary Journal*, 25, 824-828.
6. Grimm, K. J. (2019). A review of Intensive Longitudinal Methods: An Introduction to Diary and Experience Sampling Research. *Structural Equation Modeling: A Multidisciplinary Journal*, 26, 493-495.

SOFTWARE

1. Zhang, Z., McArdle, J. J., Hamagami, F., & Grimm, K. J. (2016). RAMpath: Structural Equation Modeling Using the Reticular Action Model (RAM) Notation. <https://cran.r-project.org/web/packages/RAMpath/RAMpath.pdf>
2. Jacobucci, R., Grimm, K. J., Brandmaier, A. M., Serang, S., & Kievet, R. A., Scharf, F. (2018). regsem: Regularized Structural Equation Modeling. <https://cran.r-project.org/web/packages/regsem/regsem.pdf>
3. Serang, S., Jacobucci, R., Grimm, K. J., Stegmann, G., Brandmaier, A. M. (2019). MplusTrees: Decision Trees with Structural Equation Models Fit in Mplus. <https://cran.r-project.org/web/packages/MplusTrees/MplusTrees.pdf>

CONFERENCE SYMPOSIA, PAPERS, & POSTERS

* indicates undergraduate or graduate student at the time work was conducted

INVITED LECTURE PRESENTATIONS

1. Grimm, K. J. (2010, October). School readiness factors and subsequent changes in reading and mathematics. *Homecoming Lecture at Gettysburg College*, Gettysburg, PA.
2. Grimm, K. J. (2011, January). *Longitudinal studies of changes in reading and mathematics*. University of Minnesota, Minneapolis, MN.

3. Grimm, K. J. (2013, February). *Explorations in the modeling of nonlinear change trajectories*. Arizona State University, Tempe, AZ.
4. Grimm, K. J. (2015, October). A latent change score approach to modeling individual rates of change: Promising results and unanswered questions. *Quantitative Developmental Seminar*, University Park, PA.
5. Grimm, K. J., & *Marcoulides, K. M. (2015, November). Data integration approaches to longitudinal growth modeling. *Quantitative Seminar*, University of Notre Dame, Notre Dame, IN.
6. Grimm, K. J., *Mazza, G., & *Davoudzadeh, P. (2016, March). Model selection in mixture models: A cross-validation approach. *Quantitative Seminar*, University of California, Santa Barbara, Santa Barbara, CA.
7. Grimm, K. J. (2016, August). Big data methods and psychology. Invited address at the *American Psychological Association Annual Convention*. Denver, CO.
8. Grimm, K. J., & Jacobucci, R. (2017, November). Reliable trees: A reliability informed approach to recursive partitioning. *Quantitative Seminar*, Vanderbilt University, Nashville, TN.
9. Grimm, K. J., *Stegmann, G., Jacobucci, R., & *Serang, S. (2018, March). Machine learning approaches to understanding differences in longitudinal change trajectories. Keynote address at the *6th Annual Meeting of the Texas Universities' Educational Statistics and Psychometrics Alliance*, College Station, TX.
10. Grimm, K. J., *Stegmann, G., Jacobucci, R., & *Serang, S. (2018, June). Machine learning approaches to understanding differences in change trajectories. Keynote address at the *14th Annual Mechanisms of Behavior Change Meeting*, San Diego, CA.
11. Grimm, K. J., *Fine, K., & *Stegmann, G. (2018, September). Accounting for standard errors of measurement in change modeling. *Developmental Methods*, Whitefish, MT.
12. Grimm, K. J., Jacobucci, R., *Stegmann, G., & Serang, S. (2018, October). Explorations of individual change processes and their determinants: A novel approach and remaining challenges. *Cattell Award Presentation, Society of Multivariate Experimental Psychology*, Albuquerque, NM.
13. Grimm, K. J., *Stegmann, G., Jacobucci, R., & *Serang, S. (2019, June). Machine learning approaches to studying individual changes. *Fetal Alcohol Spectrum Disorders Study Group*, Minneapolis, MN.
14. Grimm, K. J., Jacobucci, R., *Stegmann, G., & Serang, S. (2019, December). Explorations of individual change processes and their determinants: A novel approach and remaining challenges. *University of Southern California Departmental Colloquium*, Los Angeles, CA.
15. Grimm, K. J., Jacobucci, R., *Stegmann, G., & Serang, S. (2020, January). Explorations of individual change processes and their determinants: A novel approach and remaining challenges. *Utah State University Departmental Colloquium*, Logan, UT.

SYMPOSIA

1. Grimm, K. J. (2005, November). Independent and interdependent changes in intellectual capabilities throughout the lifespan. *The 58th Annual Scientific Meeting of the Gerontological Society of America*, New Orleans, LA.
2. Grimm, K. J. (2008, March). The examination of preschool effects from multiple lenses & perspectives. *The 2008 American Educational Research Association Annual Meeting*, New York, NY.
3. Hofer, S. M., & Grimm, K. J. (2009, August). Approaches for evaluating and optimizing measurement comparison across longitudinal studies. *2009 American Psychological Association Annual Convention*, Toronto, CA.
4. Grimm, K. J. (2012, February). Measurement issues in the study of change. *Society for Research in Child Development Themed Meeting: Developmental Methodology*, Tampa, FL.
5. Grimm, K. J. (2013, April). Advances in nonlinear modeling of longitudinal data. *Society for Research in Child Development*, Seattle, WA.
6. Grimm, K. J., & DeBoeck, P. (2014, September). Advanced modeling of nonlinear developmental trajectories. *Society for Research in Child Development Themed Meeting: Developmental Methodology*, San Diego, CA.
7. Grimm, K. J. (2015, August). Integrative data analysis with longitudinal studies – challenges, questions, and recommendations. *American Psychological Association Convention*, Toronto, ON, Canada.
8. Ram, N., & Grimm, K. J. (2017, April). Re-designing the study of development: Four new procedures for longitudinal measurement, study design, and analysis. *Society for Research in Child Development*, Austin, TX.

LECTURE PRESENTATIONS

1. McArdle, J. J., Grimm, K. J., Hamagami, F., & Ferrer, E. (2002, October). Modeling non-repeated measurements using longitudinal structural equations. *Annual Meeting of the Society of Multivariate Experimental Psychology*, University of Virginia, Charlottesville, VA.
2. McArdle, J. J., Grimm, K. J., Hamagami, F., & Ferrer, E. (2003, March). Modeling non-repeated measurement using contemporary modeling methods. *The Institute for Human Development working conference: The future of longitudinal studies: What we know; what we don't know; what we need to know*, University of California, Berkeley.
3. McArdle, J. J., Hamagami, F., Ferrer, E., & Grimm, K. J. (2003, May). Structural modeling of dynamic processes using incomplete longitudinal panel data. *Data Analytic Techniques for Dynamical Systems*, University of Notre Dame, South Bend, IN.
4. Grimm, K. J. (2003, September). Simulation studies of the accuracy of linear and nonlinear growth mixture models. *Annual Meeting of the Society of Multivariate Experimental Psychology Graduate Pre-conference*, Keystone, CO.
5. Grimm, K. J., McArdle, J. J., Hamagami, F., & Bowles, R. B. (2003, November). Modeling latent growth curves using longitudinal data with non-repeated measurements. *The 56th Annual Meeting of the Gerontological Society of America*, San Diego, CA.

6. Ram, N., Chow, S., Grimm, K. J., Fujita, F., & Nesselroade, J. R. (2004, June). Examining the dynamics of pleasant and unpleasant emotions using spectral analysis and the rating scale model. *International Meeting of the Psychometric Society*. Pacific Grove, CA.
7. Grimm, K. J., McArdle, J. J., & Hamagami, F. (2004, June). Growth mixture models of cognitive abilities in the Berkeley Studies. *The International Meeting of the Psychometric Society*, Pacific Grove, CA.
8. Grimm, K. J. (2004, November). Intraindividual variability in cognitive performance and mortality. *The 57th Annual Scientific Meeting of the Gerontological Society of America*, Washington, DC.
9. Grimm, K. J. (2005, November). The dynamics of cognition throughout the lifespan. *The 58th Annual Scientific Meeting of the Gerontological Society of America*, Orlando, FL.
10. McArdle, J. J., Grimm, K. J., & Hamagami, F. (2006, June). Life-span multi-level longitudinal modeling using infant predictors of cognitive changes in adulthood. *International Society for Infant Studies Meeting*, Kyoto, Japan.
11. Grimm, K. J. (2006, March). The impact of reading on mathematics achievement. *Society for Research on Adolescence Biennial Meeting*, San Francisco, CA.
12. Small, B. J., Dixon, R. A., McArdle, J. J., & Grimm, K. J. (2006, November). Lifestyle Activities and Changes in Cognitive Abilities. *The 59th Annual Scientific Meeting of the Gerontological Society of America*, Dallas, TX.
13. Estabrook, C. R., & Grimm, K. J. (2006, November). The reliability of variability: A simulation study of measures of individual variability. *The 59th Annual Scientific Meeting of the Gerontological Society of America*, Dallas, TX.
14. Dohrmann, K. R., Gartner, A., Lipsky, D.K., Grimm, K. J., & Nishida, T. K. (2007, March). High school outcomes for students previously in a public Montessori program. *Society for Research in Child Development Biennial Meeting*, Boston, MA.
15. Roorbach Jamison, K., Stanton-Chapman, T. L., & Grimm, K. J. (2008, March). Timing and chronicity of maternal depressive symptoms and cognitive development trajectories of children: A longitudinal examination. *The 2008 American Educational Research Association Annual Meeting*, New York, NY.
16. Mashburn, A. J., Curby, T. W., Pianta, R. C., Chomat-Mooney, L., Grimm, K. J., Downer, J., & Hamre, B. (2008, March). Efficient sampling of classroom-level processes. *The 2008 American Educational Research Association Annual Meeting*, New York, NY.
17. Henry, A. E., Grimm, K. J., & Pianta, R. C., (2008, March). The power of two: The impact of experiencing two years of high-quality classrooms. *The 2008 American Educational Research Association Annual Meeting*, New York, NY.
18. Grimm, K. J., & Pianta, R. C. (2008, March). Long-term effects of preschool quality on changes in children's achievement. *The 2008 American Educational Research Association Annual Meeting*, New York, NY.
19. Grimm, K. J., Curby, T. W., Pianta, R. C., Mashburn, A. J., Downer, J., Chomat-Mooney, L. & Hamre, B. (2008, March). Partitioning variance associated with classroom observations. *The 2008 American Educational Research Association Annual Meeting*, New York, NY.

20. Fitzpatrick, M., Grimm, K. J., Mashburn, A. J., & Pianta, R. (2008, March). Does expanding enrollment in public school pre-k programs improve the school level literacy skills of entering kindergarteners? *The 2008 American Educational Research Association Annual Meeting*, New York, NY.
21. Curby, T. W., Cameron Ponitz, C., Rimm-Kaufman, S. E., & Grimm, K. J. (2008, March). Connecting classroom quality and reading achievement: The role of behavioral engagement in kindergarten. *The 2008 American Educational Research Association Annual Meeting*, New York, NY.
22. Downer, J., Chomat-Mooney, L., Pianta, R. C., Grimm, K. J., Mashburn, A. J., Curby, T. W., Hamre, B. & Rimm-Kaufman, S. (2008, March). Concurrent and predictive validity of classroom observations and other setting-level measures. *The 2008 American Educational Research Association Annual Meeting*, New York, NY.
23. Skibbe, L. E., Grimm, K. J., & Morrison, F. J. (2008, July). Academic versus Summer Literacy Development: Evidence for Differential Effects of Instruction on Children's Literacy Achievements. *Fifteenth Annual Meeting - Society for the Scientific Study of Reading*, Asheville, NC.
24. Skibbe, L. E., Grimm, K. J., Bowles, R. P., & Morrison, F. J. (2009, April). Literacy growth in the academic year and summer from preschool to second grade: Differential schooling effects across four skills. *Society for Research in Child Development Biennial Meeting*, Denver, CO.
25. Grimm, K. J., Vandergrift, N., Burchinal, M., Mashburn, A. J., & Pianta, R. C. (2009, April). Long-term associations of preschool quality on changes in children's achievement. *Society for Research in Child Development Biennial Meeting*, Denver, CO.
26. Grimm, K. J., Vandergrift, N., Burchinal, M., Mashburn, A. J., & Pianta, R. C. (2009, August). A mega-analytic approach to studying longitudinal effects of preschool quality. *American Psychological Association Annual Convention*, Toronto, CA.
27. Chen, W., Grimm, K., Grissmer, D. W., Gregory, A. (2010, April). Fine motor skills as a mediator of the relationship between early parent-child interactions and math at kindergarten entry. *Conference on Human Development*, New York, NY.
28. Woods, C. M., & Grimm, K. J. (2010, July). Identification of nonuniform differential item functioning using multiple indicator multiple cause models. *International Meeting of the Psychometric Society*, Athens, GA.
29. Grimm, K. J., & Widaman, K. F. (2010, July). Approaches and data needs for cross-study co-calibration of cognitive abilities. *Integrative Analysis of Longitudinal Studies of Aging*, Victoria, Canada.
30. Grimm, K. J., Ram, N., Estabrook, C. R. (2010, November). Nonlinear structured growth mixture models. *A California Consortium of Quantitative Research & Education*, Davis, CA.
31. Grimm, K. J., & Estabrook, C. R. (2011, April). Nonlinear structured growth mixture models for longitudinal panel data. *Society for Research in Child Development Biennial Meeting*, Montreal, Canada.

32. Guyer, A., Choate, V., Klostermann, S., Grimm, K. J., Pine, D., & Keenan, K. (2011, June). Facial emotion recognition and depression in preadolescent girls. *15th Biennial Meeting of the International Society for Research on Child and Adolescent Psychopathology*, Chicago, IL.
33. Widaman, K. F., Grimm, K. J., & *Helm, J. (2012, February). Factorial invariance in longitudinal investigations: Accurately charting growth over time. *Society for Research in Child Development Themed Meeting: Developmental Methodology*, Tampa, FL.
34. Grimm, K. J., *Kuhl, A., & Zhang, Z. (2012, February). Measurement model effects on studying change. *Society for Research in Child Development Themed Meeting: Developmental Methodology*, Tampa, FL.
35. *Castro-Schilo, L., Widaman, K. F., & Grimm, K. J. (2012, July). Neglect the structure of multitrait-multimethod data at your peril: Implications for associations with external variables. *The 77th Annual Conference of the Psychometric Society*, Lincoln, NE.
36. *Castro-Schilo, L., Widaman, K. F., & Grimm, K. J. (2012, August). Neglecting the structure of multitrait-multimethod data: Biases of traits with external variables. *The 120th Annual Convention of the American Psychological Association*, Orlando, FL.
37. *Castro-Schilo, L., Widaman, K. F., & Grimm, K. J. (2012, August). Implications for ignoring multitrait-multimethod data structures: Trait-relations with external variables. *The 9th Annual Conference of the Quantitative Training for Underrepresented Groups*, Orlando, FL.
38. *Castro-Schilo, L., Grimm, K.J., & Widaman, K. F. (2012, October). Uncrossing the correlated trait-correlated method model. Paper to be presented at the *10th Annual Society of Multivariate Experimental Psychology Graduate Student Pre-conference*, Vancouver, BC.
39. Zhang, Z., & Grimm, K. J. (2013, April). A random-coefficient latent change score model for nonlinear growth data. *Society for Research in Child Development*, Seattle, WA.
40. Grissmer, D., & Grimm, K. J. (2013, September). Review of the non-experimental evidence from developmental and cognitive psychological, education science and neuroscience that provided the impetus for the development of the intervention. *The Society for Research on Educational Effectiveness Fall Conference*, Washington, DC.
41. Suchodoletz, A., Grimm, K. J., Grissmer, D., & Ko, M. (2013, September). Latent profile analysis using the ECLS-K of four early cognitive foundational skills and implications of the distributions on growth trajectories through 8th Grade. *The Society for Research on Educational Effectiveness Fall Conference*, Washington, DC.
42. Cameron, C., Grimm, K. J., *Steele, J. S., & *Castro-Schilo, L. (2013, September). Nonlinear Gompertz curve models of achievement gaps. *The Society for Research on Educational Effectiveness Fall Conference*, Washington, DC.
43. *Castro-Schilo, L., Grimm, K. J., & Widaman, K. F. (2014, May). Uncrossing the correlated trait-correlated method model for multitrait-multimethod data. *Modern Modeling Methods Conference*, Storrs, CT.
44. *Castro-Schilo, L., Widaman, K. F., & Grimm, K. J. (2014, May). Neglect the structure of multitrait-multimethod data at your peril: Implications for associations with external variables. *Modern Modeling Methods Conference*, Storrs, CT.

45. *Castro-Schilo, L., Grimm, K. J., & Widaman, K. F. (2014, September). The uncrossed correlated trait-correlated method model: A novel approach with implication for longitudinal MTMM investigations. *Society for Research in Child Development Themed Meeting: Developmental Methodology*, San Diego, CA.
46. Grimm, K. J., Pianta, R. P., & Konold, T. (2014, September). Longitudinal multitrait-multimethod models for developmental research. *Society for Research in Child Development Themed Meeting: Developmental Methodology*, San Diego, CA.
47. *Castro-Schilo, L., Gates, K., Grimm, K. J., & *Helm, J. (2014, September). Autoregressive latent change model: A new tool for idiographic analysis. *Society for Research in Child Development Themed Meeting: Developmental Methodology*, San Diego, CA.
48. *Helm, J. L., & Grimm, K. J. (2014, September). Higher order Taylor polynomial methods to estimate nonlinear mixed effects models for longitudinal panel data. *Society for Research in Child Development Themed Meeting: Developmental Methodology*, San Diego, CA.
49. Gayles, J. G., Dorn, L. D., Beal, S., Susman, E. J., Grimm, K. J., & Schulenberg, J. E. (2015, March). Depressive symptoms as a consequence of smoking in adolescent girls: Contribution of stress hormones. *Society for Research in Child Development Biennial Meeting*, Philadelphia, PA.
50. Graf Estes, K. M., Chen-Wu Gluck, S., & Grimm, K. J. (2015, March). Finding patterns and learning words: Infant phonotactic knowledge is associated with vocabulary size. *Society for Research in Child Development Biennial Meeting*, Philadelphia, PA.
51. *Marcoulides, K. M., & Grimm, K. J. (2015, March). Individual change and the onset of significant life events: Methods, models, and assumptions. *Society for Research in Child Development Biennial Meeting*, Philadelphia, PA.
52. Van Dorn, R. A., Grimm, K. J., Desmarais, S. L., Tueller, S. J., Johnson, K. L., & Swartz, M. S. (2015, March). Cross-lagged relationships between violent behaviors, substance use, and psychiatric symptoms. *American Psychology-Law Society Annual Conference*, San Diego, CA.
53. Johnson, K. L., Desmarais, S. L., Tueller, S. J., Grimm, K. J., Swartz, M. S., & Van Dorn, R. A. (2015, March). Longitudinal typologies of violence and victimization: A latent transition analysis. *American Psychology-Law Society Annual Conference*, San Diego, CA.
54. Tueller, S. J., Grimm, K. J., Sellers, B. G., Desmarais, S. L., Swartz, M. S., & Van Dorn, R. A. (2015, March). The latent structure of psychiatric symptoms: Implications of sample size and distributional assumptions. *American Psychology-Law Society Annual Conference*, San Diego, CA.
55. Desmarais, S. L., Johnson, K. L., Douglas, K. S., Grimm, K. J., Tueller, S. J., Swartz, M. S., & Van Dorn, R. A. (2015, March). Latent class analysis of violence, victimization, and suicide. *American Psychology-Law Society Annual Conference*, San Diego, CA.
56. *Marcoulides, K. M., & Grimm, K. J. (2015, July). Data integration methods and implementing IRT models for test linking: When multiple versions of a measurement tool have been administered for longitudinal child assessment. *International Meeting of the Psychometric Society*, Beijing, China.

57. Van Dorn, R. A., Desmarais, S. L., Grimm, K. J., Tueller, S. J., Sellers, B., & Swartz, M. S., (2015, August). The integration of psychiatric symptom data for adults with mental illness. *American Psychological Association Convention*, Toronto, ON, Canada.
58. Grimm, K. J. (2015, August). The importance of time metric selection in the analysis of change. *American Psychological Association Convention*, Toronto, ON, Canada.
59. Arpawong, T. E., McArdle, J. J., Grimm, K. J., & Prescott, C. A. (2015, October). Relation of early health measures to lifetime trajectories of cognitive abilities. *The Society for the Study of Human Development's 9th Biennial Scientific Meeting*, Austin, TX.
60. *Gonzalez, O., Grimm, K. J., *O'Rourke, H., & *Wurpts, I. (2016, May). Analyzing Monte Carlo simulations with data mining approaches. *Sixth Annual Modern Modeling Methods Conference*. Storrs, CT.
61. *Marcoulides, K. M., & Grimm, K. J. (2016, July). A Bayesian approach to data fusion. *International Meeting of the Psychometric Society*. Ashville, NC.
62. Jacobucci, R., Grimm, K. J., & McArdle, J. J. (2016, July). Comparison of frequentist and Bayesian regularization in structural equation modeling. *International Meeting of the Psychometric Society*. Ashville, NC.
63. Grimm, K. J., *Mazza, G., & *Davoudzadeh, P. (2016, August). Cross-validation of finite mixture modeling solutions. *American Psychological Association Annual Convention*. Denver, CO.
64. Grimm, K. J., O'Rourke, H., & Helm, J. (2017, April). Return of the bivariate growth model: Separating within and between-person effects in longitudinal panel data. *Society for Research in Child Development Biennial Meeting*, Austin, TX.
65. Grimm, K. J. (2017, August). Learning statistics through scale development and validation. *American Psychological Association Convention*, Washington, DC.
66. *Stegmann, G., Jacobucci, R., *Serang, S., & Grimm, K. J. (2018, July). Identifying divergent nonlinear growth trajectories using recursive partitioning. *International Meeting of Psychometric Society*. New York, NY.
67. *Stegmann, G., Jacobucci, R., *Serang, S., & Grimm, K. J. (2018, August). Using data mining to find heterogeneous nonlinear change trajectories. *126th American Psychological Association Annual Convention*, San Francisco, CA.
68. Weizel, A., Middleton, J. A., Zhang, X., Grimm, K. J., & Jansen, A. (2019, July). Interest and emotion predictors of motivation in secondary mathematics classrooms. *43rd Annual Meeting of the International Group for the Psychology of Mathematics Education*, Pretoria, South Africa.
69. McNeish, D., Dumas, D., & Grimm, K. J. (2019, October). Estimating new quantities from longitudinal test scores to improve forecasts of future performance. *Society of Multivariate Experimental Psychology Annual Meeting*, Baltimore, MD.
70. Rodgers, D., Jacobucci, R., & Grimm, K. J. (2020, July). Missing data in machine learning: Implementing multiple imputation in CART. *International Meeting of the Psychometric Society*. College Park, MD.

POSTER PRESENTATIONS

1. Bowles, R. P., Schmidt, K. M., Kline, T. L., & Grimm, K. J. (2003, April). *Ben Wright, Rasch measurement, and cognitive psychology. A Festschrift in honor of Ben Wright*, Chicago, IL.
2. Grimm, K. J., Huang, W., & Berry, J. (2004, April). The structure of intelligence in adulthood: A confirmatory factor analysis. *Cognitive Aging Conference*, Atlanta, GA.
3. Grimm, K. J. & McArdle, J. J. (2004, April). Life-span development of memory span using nonrepeated measurements. *Cognitive Aging Conference*, Atlanta, GA
4. Nishida, T. K., Grimm, K. J., & Pianta, R. P. (2005, October). Investigating a reciprocal relationship between academic and social competence. *Cognitive Development Society Meeting*, San Diego, CA.
5. Skibbe, L. E., Grimm, K. J., Stanton-Chapman, T. L., Justice, L. M., Pence, K. L., & Bowles, R. P., (2006, June). The reading trajectories of children with language impairment from preschool to fifth grade: A prospective study of the forecast for school. *Annual Meeting of the IES National Research Conference*, Washington, DC.
6. Skibbe, L. E., Grimm, K. J., Stanton-Chapman, T. L., Justice, L. M., Pence, K. L., & Bowles, R. P., (2007, March). The reading trajectories of children with language impairment from preschool to fifth grade. *Society for Research in Child Development Biennial Meeting*, Boston, MA.
7. Grimm, K. J. (2007, March). Developmental links between achievement and depression. *Society for Research in Child Development Biennial Meeting*, Boston, MA.
8. Henry, A. E., Grimm, K. J., & Pianta, R. C. (2007, June). Effect of consistent preschool and kindergarten classroom quality on child outcomes. *2007 Institute of Education Sciences Research Conference*, Washington, DC.
9. Curby, T., & Grimm, K. J. (2007, June). Stability and change in classroom quality across a half-day in pre-kindergarten. *2007 Institute of Education Sciences Research Conference*, Washington, DC.
10. Henry, A., Mashburn, A. J., Grimm, K. J., & Pianta, R. C. (2008, March). Identifying thresholds of preschool quality that maximize children's development. *First Annual Society for Research on Educational Effectiveness*, Washington, DC.
11. Small, B. J., Dixon, R. A., McArdle, J. J., & Grimm, K. J. (2008, April). Changes in lifestyle activities in relation to changes in cognitive abilities: Evidence from the Victoria Longitudinal Study. *Cognitive Aging Conference*, Atlanta, GA.
12. Bowles, R. P., Grimm, K. J., & Hunter, M. (2008, April). Item-specific retest effects and the measurement of longitudinal change. *Cognitive Aging Conference*, Atlanta, GA.
13. Chen, W., Grimm, K., Grissmer, D. W., Gregory, A. (2010, June). Fine motor skills as a mediator of the relationship between parent-child interactions and child cognitive ability. *Annual Meeting of the Institute of Education Sciences*, National Harbor, MD.
14. *Castro-Schilo, L., Widaman, K. F., Grimm, K. J. (2012, August). Neglecting the structure of multitrait-multimethod data: Biases of traits with external variables. Poster presented at *The 120th Annual Convention of the American Psychological Association*, Orlando, FL.

15. Hollis, N., Conger, K., Grimm, K. J., Timmer, S., Guyer, A., Nishina, A., & Urquiza, A. (2013, April). Breaking the cycle: Child maltreatment, child externalizing behavior, and maternal depressive symptoms. *Society for Research in Child Development*, Seattle, WA.
16. Beal, S., Grimm, K. J., & Dorn, L. (2013, April). Trajectories of sleep chronotype and physical activity in adolescent girls: The crucial role of menarche. *Society for Research in Child Development*, Seattle, WA.
17. *Davoudzadeh, P., *McTernan, M., & Grimm, K. J. (2013, April). Surviving the curriculum: Predictors of grade retention K-8. *Society for Research in Child Development*, Seattle, WA.
18. *Damian, R., Robins, R., Simonton, D. K., & Grimm, K. J. (2013, June). Fame, narcissism, and creativity in eminent writer. *Biennial Meeting of the Association for Research in Personality*. Charlotte, NC.
19. Desa, D., Woods, C., & Grimm, K. J. (2013, July). Bayesian nonlinear mixed model for IRT DIF detection. *International Meeting of the Psychometric Society*, Amhem, The Netherlands.
20. *Davoudzadeh, P., Grimm, K. J., Widaman, K. F., Tueller, S., Desmarais, S., & Van Dorn, R. (2014, May). A note on the estimation of factor scores from multiple group item response models: Implications for integrative data analysis & potential solutions. *Modern Modeling Methods Conference*, Storrs, CT.
21. *Merritt, A. R., Chen, Z., & Grimm, K. J. (2014, May). Building links between early socioeconomic status, cognitive ability, and STEM achievement. *American Psychological Society Annual Convention*, San Francisco, CA.
22. Chopik, W. J., Edelstein, R. S., & Grimm, K. J. (2015, February). Changes in attachment orientation over a 53-year period: Determinants of change and implications for health. Poster to be presented at the annual meeting of the Society for Personality and Social Psychology, Long Beach, CA.
23. *Davoudzadeh, P., *McTernan, M. L., & Grimm, K. J. (2014, November). Early predictors of grade retention from kindergarten through eighth grade: A multilevel discrete-time survival analysis approach. Poster presented at *Advances in Multilevel Modeling for Educational Research Conference*, College Park, MD.
24. Hollis, N. D., Conger, K. J., Grimm, K. J., Timmer, S. G., Guyer, A. E., Nishina, A., & Urquiza, A. J. (2015, March). How parent-child interaction therapy reduces maltreatment risk for children: The role of maternal depressive symptoms. *Society for Research in Child Development Biennial Meeting*, Philadelphia, PA.
25. *Davoudzadeh, P., Sorensen, K. S., Chung, J. M., Grimm, K. J., & Robins, R. W. (2016, January). Using multidimensional item response models and differential item functioning to evaluate the authentic and hubristic pride scale. *The Society for Personality and Social Psychology Annual Convention*, San Diego, CA.
26. *Mazza, G. L., Enders, C. K., & Grimm, K. J. (2016, May). Probing moderated effects in multilevel models. *Association for Psychological Science Annual Convention*, Chicago, IL.
27. *Marcoulides, K. M., & Grimm, K. J. (2016, May). Research synthesis approaches to longitudinal growth modeling. *Association for Psychological Science Annual Convention*, Chicago, IL.

28. *Gunn, H., & Grimm, K. J. (2016, May). Comparison of five approaches that analyze measurement invariance in multilevel data with a level-1 grouping variable. *Association for Psychological Science Annual Convention*, Chicago, IL.
29. Feinberg, I., Burrigh, C. S., Kraus, A. M., Grimm, K. J., & Campbell, I. G. (2016, June). Longitudinal study of the effects of sleep duration and age on daytime sleepiness in early adolescence: First year results. *Sleep Meeting*, Denver, CO.
30. *O'Rourke, H., & Grimm, K. J. (2016, September). Moderators of change in latent difference score models. *Developmental Methods Conference*. Whitefish, MT.
31. *Gunn, H., & Grimm, K. J. (2017, May). Examining multiple approaches to evaluating measurement invariance with multilevel data and a level-1 grouping variable. *7th Annual Modern Modeling Methods (M3) Conference*, Storrs, CT.
32. *Gunn, H., & Grimm, K. J. (2018, July). New effect size measure to detect measurement non-invariance. *International Meeting of Psychometric Society*. New York, NY.
33. *Sladek, M. R., Doane, L. D., Luecken, L. J., Gonzales, N. A., & Grimm, K. J. (2020, March). *Cultural Match or Mismatch? Latinx College Students' Cortisol and Affective Responses to Psychosocial Stress*. Biennial meeting of the Society for Research on Adolescence, San Diego, CA.
34. Grimm, K. J., *Fine, K., & *Stegmann, G. (2020, March). Accounting for differential measurement error when modeling change. Biennial meeting of the Society for Research on Adolescence, San Diego, CA.

TEACHING EXPERIENCE

WORKSHOP TEACHING

May, 2022	<u>Instructor</u>	<i>Machine Learning</i> , Statistical Horizons, Remote Workshop.
November, 2021	<u>Instructor</u>	<i>Categorical Structural Equation Modeling</i> , Statistical Horizons, Remote Workshop.
June, 2021	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Analysis of Intensive Longitudinal Data: Experience Sampling and Ecological Momentary Assessment</i> . Remote Workshop.
June, 2021	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . Remote Workshop.
May, 2021	<u>Instructor</u>	<i>Categorical Structural Equation Modeling</i> , Statistical Horizons, Remote Workshop.
January, 2021	<u>Instructor</u>	<i>Machine Learning</i> , Statistical Horizons, Remote Workshop.
August, 2020	<u>Instructor</u>	<i>Machine Learning</i> , Statistical Horizons, Remote Workshop.

June, 2020	<u>Instructor</u>	<i>Machine Learning</i> , Statistical Horizons, Remote Workshop.
June, 2020	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Analysis of Intensive Longitudinal Data: Experience Sampling and Ecological Momentary Assessment</i> . Remote Workshop.
June, 2020	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . Remote Workshop.
January, 2020	<u>Instructor</u>	<i>Machine Learning</i> , Statistical Horizons, Fort Myers, FL
August, 2019	<u>Instructor</u>	<i>Machine Learning</i> , Bristol-Myers Squibb, Princeton, NJ
June, 2019	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Analysis of Intensive Longitudinal Data: Experience Sampling and Ecological Momentary Assessment</i> . Arizona State University, Tempe, AZ.
May, 2019	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . Arizona State University, Tempe, AZ.
March, 2019	<u>Instructor</u>	<i>Machine Learning</i> , Bristol-Myers Squibb, Princeton, NJ
November, 2018	<u>Instructor</u>	<i>Machine Learning</i> , Statistical Horizons, Chicago, IL
June, 2018	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Big Data: Exploratory Data Mining in Behavioral Research</i> . Arizona State University, Tempe, AZ.
May, 2018	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . Arizona State University, Tempe, AZ.
April, 2018	<u>Instructor</u>	Machine Learning, Statistical Horizons, Philadelphia, PA
August, 2017	<u>Lead Instructor</u>	<i>Data Mining with SEARCH Strategies</i> . University of Michigan, Ann Arbor, MI.
June, 2017	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Big Data: Exploratory Data Mining in Behavioral Research</i> . Arizona State University, Tempe, AZ.
May, 2017	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . Arizona State University, Tempe, AZ.
January, 2017	<u>Lead Instructor</u>	<i>Longitudinal Growth Modeling: Multilevel and Structural Equation Modeling Approaches</i> . Stats Camp, Anaheim, CA.

September, 2016	<u>Lead Instructor</u>	<i>Introduction to Linear Growth Modeling and its Extensions</i> , Developmental Methods Conference, Whitefish, MT.
September, 2016	<u>Lead Instructor</u>	<i>Introduction to Nonlinearity in Growth Models</i> , Developmental Methods Conference, Whitefish, MT.
August, 2016	<u>Lead Instructor</u>	<i>Data Mining with SEARCH Strategies</i> . University of Michigan, Ann Arbor, MI.
June, 2016	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Big Data: Exploratory Data Mining in Behavioral Research</i> . Arizona State University, Tempe, AZ.
May, 2016	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . Arizona State University, Tempe, AZ.
December, 2015	<u>Lead Instructor</u>	<i>Survival Analysis</i> . Centers for Disease Control and Prevention, Atlanta, GA.
June, 2015	<u>Lead Instructor</u>	<i>Introduction to Structural Equation Modeling with Incomplete Data</i> . Colorado State University, Fort Collins, CO.
June, 2015	<u>Instructor</u>	<i>Data Mining with SEARCH Strategies</i> . University of Michigan, Ann Arbor, MI.
June, 2015	<u>Instructor</u>	American Psychological Association Advanced Training Institute. <i>Big Data: Exploratory Data Mining in Behavioral Research</i> . Arizona State University, Tempe, AZ.
May, 2015	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . Arizona State University, Tempe, AZ.
January, 2015	<u>Lead Instructor</u>	<i>Introduction to SEM and Growth Curve Modeling</i> . Centers for Disease Control and Prevention, Atlanta, GA.
September, 2014	<u>Lead Instructor</u>	<i>Growth Curve Modeling Workshop: Articulating Developmental Change with Simple and Complex Growth Models</i> . Society for Research in Child Development Themed Meeting: Developmental Methodology, San Diego, CA.
June, 2014	<u>Instructor</u>	American Psychological Association Advanced Training Institute. <i>Exploratory Data Mining in Behavioral Research</i> . University of California, Davis, CA.
May, 2014	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . University of California, Davis, CA.
June, 2013	<u>Instructor</u>	American Psychological Association Advanced Training

		Institute. <i>Exploratory Data Mining in Behavioral Research</i> . University of California, Davis, CA.
May, 2013	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . University of California, Davis, CA.
August, 2012	<u>Director/Lead Instructor</u>	Longitudinal Research Institute. <i>Structural Equation Modeling</i> . University of California, Davis, CA.
June, 2012	<u>Instructor</u>	American Psychological Association Advanced Training Institute. <i>Exploratory Data Mining in Behavioral Research</i> . University of California, Davis, CA.
May, 2012	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . University of California, Davis, CA.
February, 2012	<u>Lead Instructor</u>	<i>Growth Curve Modeling</i> . Society for Research in Child Development Themed Meeting: Developmental Methodology, Tampa, FL.
August, 2011	<u>Lead Instructor</u>	<i>Introduction to Longitudinal Data Analysis</i> . University of North Carolina, Greensboro, NC.
August, 2011	<u>Director/Lead Instructor</u>	Longitudinal Research Institute. <i>Advanced Longitudinal Data Analysis</i> . University of California, Davis, CA.
July, 2011	<u>Lead Instructor</u>	<i>Incomplete Data Analysis & Latent Class Analysis</i> . University of Miami, Coral Gables, FL.
June, 2011	<u>Instructor</u>	American Psychological Association Advanced Training Institute. <i>Exploratory Data Mining in Behavioral Research</i> . University of California, Davis, CA.
June, 2011	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . University of California, Davis, CA.
February, 2011	<u>Lead Instructor</u>	<i>Modeling Change Across Time</i> . University of Miami, Coral Gables, FL.
August, 2010	<u>Director/Lead Instructor</u>	Longitudinal Research Institute. <i>Advanced Longitudinal Data Analysis</i> . University of California, Davis, CA.
July, 2010	<u>Lead Instructor</u>	<i>Advances in Longitudinal Data Analysis</i> . University of North Carolina, Greensboro NC.
June, 2010	<u>Instructor</u>	American Psychological Association Advanced Training Institute. <i>Exploratory Data Mining in Behavioral Research</i> . University of Southern California, Los Angeles, CA.
May, 2010	<u>Director/Lead</u>	American Psychological Association Advanced Training

	<u>Instructor</u>	Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . University of Virginia, Charlottesville, VA.
August, 2009	<u>Lead Instructor</u>	<i>Power Analysis in Multilevel and Structural Equation Models</i> . Curry School of Education, University of Virginia, Charlottesville, VA.
July, 2009	<u>Instructor</u>	American Psychological Association Advanced Training Institute. <i>Exploratory Data Mining in Behavioral Research</i> . University of Southern California, Los Angeles, CA.
June, 2009	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . University of Virginia, Charlottesville, VA.
May, 2009	<u>Director/Lead Instructor</u>	Longitudinal Research Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . University of California, Davis, CA.
May, 2009	<u>Lead Instructor</u>	<i>Latent Change, Class, & Transition Analysis in Mplus</i> . University of North Carolina, Greensboro, NC.
June, 2008	<u>Lead Instructor</u>	<i>Modeling Change over Two Occasions</i> . University of North Carolina, Greensboro, NC.
June, 2008	<u>Director/Lead Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . University of Virginia, Charlottesville, VA.
June, 2008	<u>Lead Instructor</u>	<i>Multivariate Change Models</i> . Curry School of Education, University of Virginia, Charlottesville, VA.
November, 2007	<u>Lead Instructor</u>	<i>Growth Modeling Techniques in Mplus</i> . University of North Carolina, Greensboro, NC.
June, 2007	<u>Instructor</u>	Longitudinal Research Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . University of Southern California, Los Angeles, CA.
May, 2007	<u>Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . University of Virginia, Charlottesville, VA.
August, 2006	<u>Instructor</u>	Institute of Education Sciences. <i>Longitudinal Structural Equation Modeling in Educational Research</i> . University of Virginia, Charlottesville, VA.
June, 2006	<u>Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . University of Virginia, Charlottesville, VA.
June, 2005	<u>Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal</i>

Research. University of Virginia, Charlottesville, VA.

June, 2005	<u>Instructor</u>	Longitudinal Research Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . University of Southern California, Los Angeles, CA.
August, 2004	<u>Instructor</u>	American Psychological Association Advanced Training Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . University of Hawaii, Honolulu, HI.
May, 2004	<u>Instructor</u>	Longitudinal Research Institute. <i>Structural Equation Modeling in Longitudinal Research</i> . University of Michigan, Ann Arbor, MI.
June, 2003	<u>Instructor</u>	American Psychological Association Advanced Training Institute. <i>Longitudinal Methods, Measurement, and Models</i> . University of Virginia, Charlottesville, VA.
June, 2003	<u>Instructor</u>	Longitudinal Research Institute. <i>Longitudinal Methods, Measurement, and Models</i> . University of Virginia, Charlottesville, VA.

CLASSROOM TEACHING

2014-present	<u>Instructor</u>	Department of Psychology, Arizona State University <i>Analysis of Variance</i> <i>Structural Equation Modeling</i> <i>Longitudinal Growth Modeling</i> <i>Machine Learning in Psychology</i> <i>Data Mining in Psychology</i>
2007-2014	<u>Instructor</u>	Department of Psychology, University of California, Davis <i>Applied Psychometrics</i> <i>Item Response Theory</i> <i>Statistical Analysis of Psychological Data</i> <i>Structural Equation Modeling</i>
2007	<u>Co-Instructor</u>	Curry School of Education, University of Virginia <i>Research Design in the Education Sciences</i>
2005	<u>Teaching Assistant</u>	Department of Psychology, University of Virginia <i>Design and Data Analysis II</i>
2003-2005	<u>Guest Lecturer</u>	Department of Psychology, University of Virginia <i>Latent Growth Curve Modeling</i> <i>Growth Mixture Modeling</i> <i>Two-Occasion Repeated Measures</i> <i>Mixture Modeling</i>
2001	<u>HS Teacher</u>	East Meadow High School, East Meadow, NY <i>Math A</i> <i>Sequential 2X</i>

2000	<u>Student Teacher</u>	Gettysburg High School, Gettysburg, PA <i>Geometry & Trigonometry</i> <i>Calculus</i>
1997-2000	<u>Teaching Assistant</u>	Department of Mathematics, Gettysburg College <i>Calculus I</i> <i>Quantitative Methods</i>

FORMER AND CURRENT DOCTORAL STUDENTS

Joel Steele, Ph.D. (2011; University of California, Davis; Co-mentored with Dr. Emilio Ferrer)
Assistant Professor, Department of Psychology, Portland State University
Associate Professor, Department of Psychology, Portland State University

Laura Castro-Schilo, Ph.D. (2013; University of California, Davis; Co-mentored with Dr. Keith Widaman)
Assistant Professor, University of North Carolina, Chapel Hill
Research Statistician, SAS
Senior Research Statistician Tester, SAS
Senior Associate Research Statistician Developer, SAS
Research Statistician Developer, SAS
Senior Research Statistician Developer, SAS

Jonathan Helm (2014; University of California, Davis; Co-mentored with Dr. Emilio Ferrer)
Post-doctoral Researcher, University of California, Davis
Post-doctoral Researcher, The Pennsylvania State University
Assistant Professor, Department of Psychology, San Diego State University

Pega Davoudzadeh (2016; University of California, Davis)
Post-doctoral Researcher, University of California, Davis
People Data Researcher, Yahoo!
People Research Scientist, Facebook

Katerina Marcoulides (2017; Arizona State University)
Assistant Professor, Research and Evaluation Methodology, College of Education, University of Florida
Assistant Professor, Department of Psychology, University of Minnesota

Gina Mazza (2018; Arizona State University)
Research Associate, Division of Biomedical Statistics & Informatics, Mayo Clinic
Associate Consultant I, Division of Biomedical Statistics & Informatics, Mayo Clinic

Heather Gunn (2019; Arizona State University)
Postdoctoral Fellow, University of California, Los Angeles
Mayo Clinic

Gabriela Stegmann (2019, Arizona State University)
Data Scientist, Aural Analytics

Kimberly Ward (2019, Arizona State University)
Postdoctoral Fellow, Indiana University
Principal Statistician, Medtronics

Danielle Rodgers (3rd year graduate student; Arizona State University)

Russell Houpt (2nd year graduate student; Arizona State University)

Yibin (Amanda) Ni (1st year graduate student; Arizona State University)

PROFESSIONAL ACTIVITIES

2012-2019	<u>Associate Editor</u>	<i>Structural Equation Modeling: A Multidisciplinary Journal</i>
2017-2020	<u>Coordinating Officer</u>	<i>Society of Multivariate Experimental Psychology</i>
2011-present	<u>Editorial Board</u>	<i>Psychological Methods</i>
2018-present	<u>Editorial Board</u>	<i>Multivariate Behavioral Research</i>
2015	<u>Program Chair</u>	American Psychological Association Convention - Division 5
2002-2005	<u>Research Assistant</u>	Center for Behavioral Medicine, University of Virginia

CONSULTING

2010-2012	Early Learning Project Coordinator, Office of Early Learning, Agency for Workforce Innovation, State of Florida.
2007-present	Research Investigating Growth and Health Trajectories. Susan Calkins, Susan Keane, & Marion O'Brien (PIs). University of North Carolina, Greensboro.
2006-2009	National Collegiate Athletic Association. Study of College Outcomes and Recent Experiences.
2004-2006	National Center for Posttraumatic Stress Disorder, Daniel King, Ph.D. Boston University, Boston, MA.
2004	Northwestern Juvenile Project, Linda Teplin, Ph.D., Psycho-Legal Studies Program, Feinberg School of Medicine, Northwestern University, Chicago, IL.
2004	Marriage Matters, Steven Nock, Ph.D., Sociology Department, University of Virginia, Charlottesville, VA.
2004	Hormonal influences on human sexually-dimorphic behavior, Sheri Berenbaum, Ph.D., Department of Psychology, The Pennsylvania State University, University Park, PA.
2004	High school outcomes for students in a public Montessori program, Kathryn R. Dohrmann, Ph.D., Department of Psychology, Lake Forest College, Milwaukee, WI.

ADVANCED TRAINING

Muthén & Muthén. (March, 2005). *Workshop on Multilevel Models in Mplus*. Johns Hopkins University, Baltimore, MD.

Educational Testing Service (August, 2004). Princeton, NJ.

Summer Institute on Longitudinal Methods (May, 2004). *Analyzing Developmental Trajectories*. Penn State University, State College, PA.

Summer Institute on Longitudinal Methods (May, 2003). *Applied Longitudinal Data Analysis: Modeling Change and Event Occurrence*. Penn State University, State College, PA.

Joint Statistical Meetings (August, 2002). *Longitudinal Categorical Data Analysis*. New York, NY.

Joint Statistical Meetings (August, 2002). *Latent Class and Mixture Modeling*. New York, NY.

Longitudinal Research Institute. (June, 2002). *Longitudinal Methods, Measurement, and Models*. University of Virginia, Charlottesville, VA.

American Psychological Association Advanced Training Institute. (June, 2002). *Longitudinal Methods, Measurement and Models*. University of Virginia, Charlottesville, VA.

PROFESSIONAL AFFILIATIONS

American Psychological Association
Psychometric Society

GRANT REVIEWER

Institute of Education Sciences
National Science Foundation
National Institutes of Health
Swiss National Science Foundation

AD-HOC REVIEWER

Acta Biotheoretica, Advances in Data Analysis and Classification, Advances in Methods and Practices in Psychological Science, Applied Psychological Measurement, British Journal of Psychology, Canadian Journal of Behavioral Science, Child Development, Comprehensive Psychiatry, Developmental Neuropsychology, Developmental Psychology, Early Childhood Research Quarterly, Educational Evaluation & Policy Analysis, European Journal of Psychology of Education, International Journal of Behavioral Development, Journal of Applied Statistics, Journal of Child and Family Studies, Journal of Cross-Cultural Psychology, Journal of Educational and Behavioral Statistics, Journal of Research in Personality, Journal of the International Neuropsychological Society, Journal of the Royal Statistical Society, Journal of School Psychology, Journal of Statistical Planning and Inference, Mathematical Modelling and Analysis, Methodology, Multivariate Behavioral Research, Plos One, Prevention Science, Proceedings of the Royal Society: Biological Sciences, Psychological Assessment, Psychological Medicine, Psychological Methods, Psychological Reports – Perceptual and Motor Skills, Psicológica, Psychological Trauma Theory, Research, Practice, and Policy, Psychology and Aging, Research in Developmental Disabilities, Research in Human Development, Sociological Methods and Research, Structural Equation Modeling: A Multidisciplinary Journal

UNIVERSITY & DEPARTMENT SERVICE

2020

Member, Tenure Review Subcommittee, Rebecca Blais

- 2020 Member, Clinical Assistant Professor Search Committee, Department of Psychology, Arizona State University
- 2018-2019 Member, Promotion Review Subcommittee, Michael Edwards
- 2017-2020 Program Director, Quantitative Research Methods, Department of Psychology, Arizona State University
- 2017-2019 Planning and Advisory Committee to the Chair, Department of Psychology, Arizona State University
- 2017-2018 Chair, Personnel Committee, Department of Psychology, Arizona State University
- 2017-2018 Member, Quantitative Methods Search Committee, Department of Psychology, Arizona State University
- 2016-2017 Member, Faculty Evaluation Committee, Department of Psychology, Arizona State University
- 2016-2017 Member, Quantitative Methods Search Committee, Department of Psychology, Arizona State University
- 2015-2016 Chair, Quantitative Methods Search Committee, Department of Psychology, Arizona State University
- 2015-2016 Chair, Faculty Evaluation Committee, Department of Psychology, Arizona State University
- 2015-2017 Member, Undergraduate Studies Committee, Department of Psychology, Arizona State University
- 2012 Member, Quantitative Methods Search Committee, Department of Human Development, University of California, Davis
- 2011-2014 Quantitative Area Head, Department of Psychology, University of California, Davis
- 2011-2014 Executive Committee Member, Department of Psychology, University of California, Davis
- 2007-2014 Member, Undergraduate Curriculum Committee, Department of Psychology, University of California, Davis
- 2007-2014 Teaching Guidelines Committee, Department of Psychology, University of California, Davis
- 2005-2006 Co-founder of the Millmont Methodology Series, University of Virginia
Organized and created a methodology lecture series for faculty, post- and pre-doctoral students
- 2005-2006 Student Representative of the Quantitative Search Committee, University of Virginia
- 2002-2005 Quantitative Area Representative, Department of Psychology, University of Virginia

- 2002-2003 Organizer of Design and Data Analysis Lunch Seminar
Recruited speakers and organized seminar series in quantitative methods
- 2002-2005 Diversity Concerns Committee, Department of Psychology, University of Virginia
Designed web page to highlight diversity issues in research and promote a more diverse student body.