

THEODORE A. WALLS

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Internet (research lab): www.uri.edu/chmi

EDUCATION

- 2002 PhD Boston College, Lynch School of Education, Boston, MA
Major: Applied Developmental Psychology,
Concentration in Evaluation and Statistics
- 1997 MA Boston College, Lynch School of Education, Boston, MA
Major: Applied Developmental Psychology
- 1990 BA Bates College, Lewiston, ME
Major: Russian Language and Literature

CURRENT APPOINTMENT

Professor, University of Rhode Island, Department of Psychology, Kingston, RI, 2020-present

ADDITIONAL PROFESSIONAL EXPERIENCE

Associate Professor, University of Rhode Island, Department of Psychology, Kingston, RI, 2009-2019

Assistant Professor, University of Rhode Island, Department of Psychology, Kingston, RI, 2004-2009

Research Associate, The Pennsylvania State University, The Methodology Center, State College, PA,
2002-2004

Associate Research Scientist, Yale University School of Medicine, Department of General Pediatrics,
New Haven, CT, 2001-2002

Senior Quality Analyst, Ceridian Performance Partners, Quality Management Group, Brookline, MA,
1999-2000

Research Manager, The Center for Quality Management, Research and Development, Cambridge,
MA, 1992-1996

AREAS OF RESEARCH INTEREST AND SPECIALIZATION

Substantive Interests: Passive Behavioral Tracking and Instrumentation; Citizen Science; Self-regulation and Self-experimentation; Health Behaviors, broadly defined.

Statistics and Methodology: Intensive Longitudinal Data, Modeling Individual, Group, and Developmental Differences; Structural Equation Modeling; Multilevel Modeling; Time Series, Dynamical Models

PUBLISHED WORKS

1. Shuster, C., Walls, T.A. & Stein, L.A.R. (In press). Guiding principles for the use of feedback in psychosocial interventions. *European Journal of Educational Research*, X(X), xxx-xxx.
2. Fornasaro-Donahue, V., **Walls, T.A.**, Thomaz, E. & Melanson, K. (2022). A Conceptual Model for Mobile Health-enabled Slow Eating Strategies. *Journal of Nutrition Education and Behavior*, 55(2), 145-150. On-line first. <https://doi.org/10.1016/j.jneb.2022.08.003>
3. Smith, D.M., **Walls, T.A.** (2021). Pursuing Collective Synchrony in Teams: A Regime-Switching Dynamic Factor Model of Speed Similarity in Soccer. *Psychometrika*, 86(4). DOI: [10.1007/s11336-021-09782-1](https://doi.org/10.1007/s11336-021-09782-1)
4. Boving, A.T., Shuster, C.L., **Walls, T.A.** & Brothers, T. (2021). Personal digital health in Parkinson's: Case studies and commentary. *Digital Health*, 7, 1-12. DOI: [10.1177/20552076211061925](https://doi.org/10.1177/20552076211061925)
5. **Walls, T.A.**, Forkus, S. & Coria, A. (2019). Citizen health science: Foundations of a new data science arena. *International Journal of Population Data Science*, 4(1), 1-13. <https://ijpds.org/article/view/1074>
6. Fairlie, A., Bernstein, M., **Walls, T.A.**, & Wood, M. (2019). Effects of measurement timing on subgroup identification using growth mixture modeling: An empirical application to alcohol use. *Psychology of Addictive Behaviors*, 33(3), 232-242. <https://doi.org/10.1016/j.addbeh.2018.08.032>
7. Courvoisier, D., Cheval, B., **Walls, T.A.** & Hedeker, D. (2018). A Mixed-effects Location Scale Model for Time-to-event Data: A Smoking Behavior Application. *Addictive Behaviors*, 94, 42-49. doi: 10.1016/j.addbeh.2018.08.032
8. Kumar, P.D.M., Mohandoss, A.A., **Walls, T.A.** Thavarajah, R., Vernon, L.T. (2016). Using smartphone video “selfies” to monitor change in toothbrushing behavior after a brief intervention: A pilot study. *Indian Journal of Dental Research*, 27(3), 268-277. doi: 10.4103/0970-9290.186241

9. Smith, D. & **Walls, T.A.** (2016). Multiple time-scale models in sport and exercise science. *Measurement in Physical Education and Exercise Science*, 20(4), 1-15.
doi: <http://www.tandfonline.com/doi/full/10.1080/1091367X.2016.1195390>.
10. Smith, D. & **Walls, T.A.** mHealth Analytics. (2015). In L. Marsch, S. Lord, and J. Dallery, (Eds.). *Transforming Behavioral Health Care with Technology: The State of the Science*. New York: Oxford.
11. Raiff, B., Karatas, C., McClure, E., Pompili, D. & **Walls, T.A.** (2014). Laboratory validation of inertial body sensors to detect cigarette smoking arm movements. *Electronics* 2014, 3(1), 87-110; doi: 10.3390/electronics3010087
12. Malmberg, L., Little, T.D. **Walls, T.A.** & Martin, A.J. (2013). Primary School Students' Intra- and Interpersonal Beliefs about Competence, Effort, and Difficulty. *Journal of Educational Psychology*, 105, 728-746. DOI: <http://doi.org/10.1016/j.lindif.2013.09.007>
13. **Walls, T.A.** (2013) Intensive longitudinal data. In Little, T.D. (Vol. Ed.) *Oxford Handbook of Quantitative Methods*, New York, Oxford; Nathan, P. Series Editor.
14. Raïche, G., **Walls, T.A.**, Riopel, M., Blais, J-G. (2012). Non-Graphical Solutions for the Cattell's Scree Test. *Methodology: European Journal of Research Methods for The Behavioral and Social Sciences*, 9(1), 23-29.
15. Varkey, J-P, Pompili, D., & **Walls, T.A.** (2011). Human Motion Recognition Using a Wireless Sensor-based Wearable System. *Personal and Ubiquitous Computing*, 18, 897-910.
16. Raïche, G., Magis, D., **Walls, T. A.**, Riopel, M. et Blais, J.-G. (2011). Une solution numérique au test de Cattell pour déterminer le nombre de composantes principaux à retenir [A numerical solution to Cattell's scree test to determine the number of components to retain]. Dans G. Raïche, K. Paquette-Côté & D. Magis (Eds): *Des mécanismes pour assurer la validité de l'interprétation de la mesure en évaluation: la mesure* [Mechanisms to assure judgment validity of measurement: measurement]. (Vol. 1) Sainte-Foy, Québec: Presses de l'Université du Québec. (pp. 1-11).
17. **Walls, T.A.**, Barta, W.D., Stawski, R.S., Collyer, C, & Hofer, S.M. (2011) Time-scale Dependent Longitudinal Designs. In Laursen, B., Little, T.D. and Card, N. (Eds.). *Handbook of Developmental Research Methods*. New York: Guilford Press.
18. Babyonyshev, M., Kavitskaya, D., **Walls, T.A.** & Grigorenko, E. (2011). Investigating the effects of syllable complexity in Russian-speaking children with SLI. *Journal of Child Language*, 38(5) 979-998.
19. Little, T.D., Walls, T.A. & Malmberg, L. (2009). Agency. In S. Lopez (Ed.). *The Encyclopedia of Positive Psychology*. (pp. 26-28). New York: Wiley.

20. **Walls, T.A.**, Fairlie, A, & Wood, M. (2009). Parents Do Matter: A Longitudinal Two-Part Mixed Model of Early College Alcohol Participation and Intensity. *Journal of Studies on Alcohol and Drugs*, 70(6).
21. **Walls, T.A.**, Höppner, B.B., & Goodwin, M.S. (2007). Statistical Issues in Intensive Longitudinal Data Analysis. In S. Shiffman and A. Stone (Eds.) *The Science and Theory of Real-time Data Capture*. New York: Oxford University Press.
22. Chung, H., **Walls, T.A.**, & Park, Y. (2007). *A latent transition model with logistic regression*. *Psychometrika*, 72, 413-435.
23. **Walls, T.A.**, Jung, H., & Schwartz, J. (2006). Multilevel Models and Intensive Longitudinal Data. In **Walls, T.A.** and Schafer, J.S. (Eds.). *Models for Intensive Longitudinal Data*. New York: Oxford University Press.
24. Rovine, M.J. & **Walls, T.A.** (2006). Multilevel autoregressive modeling of interindividual differences in the stability of a process. In **Walls, T.A.** and Schafer, J.S. (Eds.). *Models for Intensive Longitudinal Data*. New York: Oxford University Press.
25. **Walls, T.A.** & Little, T.D. (2005). Personal agency, motivation, and school adjustment in early adolescence. *Journal of Educational Psychology*. 97(1), 23-31.
26. Kuhn, B., Shapiro, E.D., **Walls, T.A.** & Friedman, A.H. (2004). Predictors of outcome myocarditis. *Pediatric Cardiology*, 25, 379-384.
27. Forsyth, B.W., Barringer, S.R., **Walls, T.A.**, et al. (2004). Rapid HIV testing of women in labor: Too long a delay. *Journal of Acquired Immune Deficiency Syndromes*, 35(2),151-154.
28. Caldwell, L.L., Baldwin, C., **Walls, T.A.**, Smith, E. (2004). Proximal Effects of a Leisure Education Program for Adolescents. *Journal of Leisure Research*, 36(3), 310-335.
29. Cohen Weitzman, C., Roy, L., **Walls, T.A.** (2004). Reach-out and Read: Implications of the New Haven Program experience. *Pediatrics*, 113(5), 1248-1253.
30. McCarthy, P., **Walls, T.A.**, Cicchetti, D., et al. (2003). Prediction of resource use during acute febrile illnesses. *Archives of Pediatric and Adolescent Medicine*, 157, 990-996.
31. Lerner, R.M., & **Walls, T.A.** (1999). Revisiting Individuals as producers of their development: From dynamic interactionism to developmental systems. In J. Brandtstädter & R. M. Lerner (Eds.), *Action & Self-development: Theory and research through the life span*. Thousand Oaks, CA: Sage.
32. **Walls, T.A.** & Walden, D. (1995). Understanding unclear situations and each other using the language processing method. *Center for Quality Management Journal*, 4(4).

Book Reviews

33. Puccamacha, T., Holt, R. & **Walls, T.A.** (2017). [Review of the Book: Principles of Scientific Methods.] *International Journal of Research and Method in Education*, 0(0), 3 pages. {published on-line first} <http://dx.doi.org/10.1080/1743727X.2017.1307552>
34. **Walls, T.A.** & Ho, Ringo M-H. [Review of the book: Longitudinal Models in the Social and Related Sciences.] *Biometrics*, 63, 1296-1297.
35. **Walls, T.A.**, & Wielt, D.B. (2007). [Review of the book: Latent Curve Models: A Structural Equation Approach.] *Psychometrika*, 72(4), 643-646.
36. Stamm, K.E., Harlow, L.L. & **Walls, T.A.** (2007). [Review of the book: An Introduction to Latent Variable Growth Curve Modeling: Concepts, Issues, and Applications (2nd edition)]. *Structural Equation Modeling*, 14(4), 701-706.

Manuscripts Submitted for Review

1. **Walls, T.A.** (under review). Musical performance satisfaction in veteran's nursing homes.
2. **Walls, T.A.** & Roy, A. (under review). A dialogical learning approach to teaching graduate level seminars.

Manuscripts in Preparation

1. **Walls, T.A.**, Timms, K., Rivera, D., Krebsbach, C. & Waldorp, L. (manuscript in preparation). Clustering of dynamic functional patterns of smoking behavior.
2. Shuster, C., Walls, T.A. (manuscript in preparation). Structural models of parent-child dyadic emotion regulation as influenced by autism symptom severity.

Books and Edited Volumes

1. **Walls, T.A.** (manuscript in preparation). *Citizen health science*. Oxford University Press. New York, NY.
2. **Walls, T.A.** & Schafer, J.S. (2006). (Eds). *Models for Intensive Longitudinal Data*. New York: Oxford University Press.

SCHOLARLY PRESENTATIONS

Invited Talks

1. **Walls, T.A.** (2019, July) Intensive longitudinal data. Invited talk at The International Society for Clinical Biostatistics (ISCB). Leuven, Belgium.

2. **Walls, T.A.** (June, 2018). Poland and Russia, Psychometrics, The Psychometric Society, and Future Opportunities. Talks given at both the SWPS University of Social Sciences and Humanities and Moscow State University
3. **Walls, T.A.** & Hamaker, E. (2017, July). Invited Symposium on *Intensive Longitudinal Data*. International Meeting of the Psychometric Society. Zurich, Switzerland.
4. **Walls, T.A.** Timmerman, M., Wang, W.C., Rabe-Hesketh, S. (2016, July) Membership Committee Open Meeting. Chairs.
5. **Walls, T.A.** (2013, May) *Sensing of health behaviors in vivo: mhealth smoking and toothbrushing*. Presentation given to the NIH, Washington, D.C.
6. **Walls, T.A.** (2010, May). New horizons in intensive longitudinal data: device Generated data. S.M. Hofer (Chair), *Advances in Longitudinal Data Analysis*. Invited lecture at the Association for Psychological Science. Boston, MA.
7. **Walls, T.A.** (2006, August). Developments in Longitudinal Data Analysis. In L. Harlow. (Chair), *Launching a Minority Student Quantitative Psychology Program*. Invited lecture at the American Psychological Association (APA). New Orleans, LA.
8. **Walls, T.A.** (2006, August). Intensive Longitudinal Data. In T.A. Walls and D. Rinsdkopf. (Chairs), *Multilevel Extensions for Discrete Time-Intensive Longitudinal Data*. Invited symposium at the American Psychological Association (APA). New Orleans, LA.
9. **Walls, T.A.** (2005, May). Intensive Longitudinal Data Analysis. In Etz, K. (Chair), *Using Real Time Data Capture in Prevention Science (Pre-conference)*. Invited talk at the Society for Prevention Research (SPR). Washington, DC.
10. **Walls, T.A.** & Rovine, M.J. (2004, July). Multi-level Autoregressive Modeling. In T.A. Walls (Chair), *Models for Intensively Measured Data*. Symposium conducted at the 24th Biennial Conference of the Society for Multivariate Analysis in the Behavioral Sciences, Jena, Germany.
11. **Walls, T.A.** (2004, May). Issues in intensive longitudinal data analysis. In L. Burk (Chair) *Issues in Data Analysis*. Symposium conducted at the Compliance in Health Care and Research Conference. Hosted by the American Heart Association, Washington DC.

Refereed Presentations

1. Cao W., **Walls, T.A.**, & Stein, L.A.R. (2019). A mediational model of self-injurious behavior and suicide risk. Poster presented at the conference of Women in Data Science Cambridge, Cambridge, MA.

2. Cao W., **Walls, T.A.**, & Stein, L.A.R. (2019). Psychometric validation of the computer adaptive multidimensional scale (CAMS). Poster presented at the 2019 annual meeting of the Society for Prevention Research, San Francisco, CA.
3. **Walls, T.A.** (July, 2016). Networking session on analysis of intensive behavioral data from device-enabled studies. Session led at International Meeting of the Psychometric Society, Asheville, NC.
4. **Walls, T.A.** Ryan, V. Smith, D.M., Raïche, G. (July, 2016). Revisiting the optimal coordinates approach. Poster presented at International Meeting of the Psychometric Society, Asheville, NC.
5. Smith, D.M. & **Walls, T.A.** (July, 2016) An application of state-space time series analysis to psychophysiological data. Poster presented at International Meeting of the Psychometric Society, Asheville, NC.
6. **Walls, T.A.** (2013, March) *Automatic movement-based smoking detection: First real world pilot results*. Poster presented at the 34th annual meeting of Society of Behavioral Medicine, San Francisco, CA.
7. **Walls, T.A.** and D.E. Rivera, (2009, May). Control engineering-based approaches to modeling substance abuse data," 17th Annual Meeting of the Society for Prevention Research, Washington, D.C.
8. Raïche, G., Magis, D., Walls, T. A., Riopel, M. et Blais, J.-G. (2009). Une solution numérique au test de Cattell pour déterminer le nombre de composantes principales à retenir. Communication présentée au congrès de l'Association pour le développement du savoir, Ottawa.
9. Ramsay, J.O. & **Walls, T.A.** (2006, June). Intensive Longitudinal Data: Current Progress and Future Prospects. In Ramsay, J.O. and **Walls, T.A.** (Chairs), *Intensive Longitudinal Data: Applications in Functional and Point Process Modeling*.
10. **Walls, T.A.** (2006, May). A latent transition model using logistic regression: An application in adolescent school adjustment. In **Walls, T.A.** and Sharma, D. (Chairs), *Belief-based Influences on School Adjustment in Adolescence*. Symposium at the Biennial Meeting of the International Society for the Study of Behavioural Development (ISSBD). [scheduled]
11. **Walls, T.A.** (2005, May). Intensive longitudinal data analysis. In **Walls, T.A.** (Chair), *Diary methods, microgenetic designs and intensive longitudinal data analysis*. The American Psychological Society Annual Convention.
12. **Walls, T.A.** (2004, May). Advances in multi-level modeling of intensive longitudinal data. In Etz, K. & **Walls, T.A.** (Chairs), *Case Studies in Real-time Data Collection: Innovation in Practice and Methods*. The Society for Prevention Research (SPR).

13. **Walls, T.A.** (2005, April). Discussion of talks in telemetric monitoring. In Velicer, W.F. (Chair). *Telemetric monitoring for behavioral medicine research*. Society for Behavioral Medicine. Discussant.
14. **Walls, T.A.** (2005, April). Intensive longitudinal data analysis. In Etz, K. (Chair), *Real Time Data Capture: Issues and Implications for Developmental Research*. Society for Research on Child Development. Panelist.

HONORS AND AWARDS

- University of Rhode Island Sabbatical Award. For research on self-experimentation. Spring 2019.
- University of Rhode Island Sabbatical Award. University of Amsterdam, Psychological Methods Group. State-space modeling/Kalman filtering. Fall 2010.
- URI Exceptional Performance Award, 2007.
- URI Faculty Development Award. (\$1000). For exceptional research accomplishment. August, 2006.
- Appointed panelist on the National Cancer Institute, National Longitudinal Study of Tobacco Use and Quitting Study. Sept, 2005.
- Travel Award for Society for Prevention Research. University of Rhode Island Alumni Association. May, 2005.
- Appointed Student Research Mentor. Yale University School of Medicine. Fall 2002.
- Appointed Research Affiliate. The Agency in Development Project, Yale University, 2000-2002; Directed by Dr. Todd Little.
- Lynch Graduate School of Education, Graduate Education Association. Travel Award to the Society for Research on Child Development. 1999.
- Graduate Education Association at Boston College. Elected Research Officer. 1998-1999.
- U.S. State Department/Middlebury College Undergraduate Foreign Exchange Scholar to the Moscow State Pedagogical Institute, Moscow, Russia, 1989-1990.

GRANT AWARDS AND SUBMISSIONS

- NIH R01 (proposal). (2022). Lab and real-world validation of a system for monitoring ingestive behavior (Co-PI with Kathleen Melanson, URI and Edison Thomas, UT Austin). Pending NOA. \$ 2,162,614.00
- NIH R01 (proposal). (2018). Using Social Technologies and Dynamic Models to Reduce HIV Risk Among African-American Women (Co-PI with Trace Kershaw, Yale University). Unfunded. Scored 5.0.
- Psychometric Society. (2017). "A Model for Increasing the Society's Footprint in Developing International Regions: Eastern Europe Demonstration". \$5000. Funded.

NIH R34 (proposal). (2012) *Smoking detection for contingency management treatments*. Scored, 3.8. Unfunded.

NSF-SCH. (2012.) *Self-directed Health Behavior Management leveraging Secure and Privacy-preserving Mobile Computing*. (2x) Unfunded.

URI Central Behavior Change Research Facility. \$3,971,973 Director, Telemetrics Area. Fall 2010. [Infrastructure grant].

University of Rhode Island Intramural Equipment and Facilities Renovation Award. \$160,000. Fall, 2010.

Sibling Influences on Smoking: Dyadic Diary Data Analyses. Subcontract awarded by the Brown University School of Medicine. \$30,000. Fall, 2007-Spring 2008. (PI of subcontract).

Dynamical Models for Intensive Longitudinal Studies of Smoking Behavior. Awarded by the American Cancer Society. \$594,000. Winter 2006-Fall 2011. (PI).

Telemetric Assessment of Movement Stereotypy in Children with ASD. (Co-I). Awarded to the Groden Center. \$118,880. May 2006. Technical Advisor.

Sibling Influences on Smoking: Analytical Component. Subcontract awarded by the Brown University School of Medicine. \$35,000. Fall, 2006-Spring 2007. (PI of subcontract).

Models for Intensive Longitudinal Data: Behavioral Control Systems. Subcontract awarded by the Methodology Center at Penn State. \$28,000. September, 2005. (PI of subcontract).

Undergraduate Methods in Psychology Outcomes Assessment Planning. Awarded by the Office of the Provost, University of Rhode Island. \$2000. June, 2005. (PI).

Integrated Quantitative Methods and Research Methods in Psychology. Awarded by the Rhode Island Teacher Education Renewal Project (RITER), University of Rhode Island. \$600. June, 2005. (PI).

Positive Characteristics Driving Transitions Among Latent Academic Performance Classes. Awarded by the Murray Research Center, Radcliffe Institute for Advanced Study, Harvard University. \$8000. September, 2005. (Co-PI with Hwan Chung).

“The Impact of Metacognitive Skills on Academic Success” Awarded by the Children, Families and Youth Consortium, Penn State. \$4000. (PI).

Grant for the manuscript development of Walls, T.A. & Schafer, J.S., (Eds). *Models for Intensive Longitudinal Data*. \$5000.

Research Consulting

Center for Intensive Longitudinal Studies (NIH-funded center, PI, S. Chow), 2018-2022.
Project PATH, University of Washington (NIH-funded project, PIs, M. Lewis, A. Fairlie), 2018-2022.
Rome Consulting/Patriot Brass, Summer 2016
Providence Plan, Winter 2013
Center for Technology and Behavioral Health, Dartmouth, Summer 2012.
Bahçeşehir Üniversitesi, Winter 2011.
CCDP, Boston College, Winter 2007.
Research and Design Unit of the Schiefelbusch Center for Life-Span Studies, University of Kansas,
November, 2003; May 2004.
Yale University School of Medicine, March-April 2001; Spring-Fall, 2004.
DataSquare, Fall 2001.
Ceridian Performance Partners, January-March 1999.
Millipore Corporation and Narragansett Electric, Summer 1996.

PROFESSIONAL SERVICE

Federal Funding Committees

NSF Panelist Smart and Connected Health on Language and Behavior, 2018, 2019.
NSF Panelist Smart and Connected Health; Social and Behavioral Panel in the Information &
Intelligent Systems Division (IIS), 2017.
External Reviewer, Belgium University Science Awards (2013)
External Reviewer, National Science Foundation (2013)
University of Rhode Island, Council for Research, 2009-2011, Member.
NIH, Community Level Health Promotions Study Section Service, 2009-2012 (several sessions).

Professional Journals and Societies

The Psychometric Society. (Past Chairman, Membership Committee)
The Center for Quality Management Journal (Past Managing Editor)
International Journal of Behavioral Development (Current Editorial Board Member)
Journal of Human Behavior in the Social Environment (Past Editorial Board Member)
International Journal of Psychology
Journal of Early Adolescence
Multivariate Behavioral Research
Substance Use and Misuse
Psychological Methods
Worth Publishers
Child Abuse and Neglect

URI Committees

Faculty Senator, College of Health Sciences; Chair, Information Technology Cmte, 2022-.
Research Methodology Focus Area, Director, URI Department of Psychology. 2018-2021.
URI Graduate Council. Interim member 2017. Elected member 2018-2021.
Research Methodology Focus Area, Director, URI Department of Psychology. 2018-2021.
Faculty Senate Academic Evaluation Committee, Chair. Review of Vice President of Research and Economic Development, URI (2016-2017)
URI Scholastic Standing Committee (2016-2017).
University of Rhode Island, Interdisciplinary Doctoral Study Initiative, Organizer. (2015).
University of Rhode Island, Student Rights and Responsibilities Committee, member. (2015).
University of Rhode Island Outing Club, Faculty Advisor, 2005-2007
University of Rhode Island, Honor's Program Committee. 2006-2007.
University of Rhode Island, Behavioral Science Doctoral Admissions Committee, 2004-2006.

TEACHING EXPERIENCE

Courses Taught

Undergraduate Courses - Department of Psychology, University of Rhode Island, Kingston, RI

PSY 200 Quantitative Methods in Psychology (4 crs.) Basic concepts and techniques of quantification in psychology. Emphasis on application of certain descriptive and inferential statistical tools in the analysis of psychological measurement of behavior. Practical applications using computer programs may be undertaken and/or other lab exercises. (x3)

PSY 232 Developmental Psychology (3 crs.) Comprehensive understanding of human development and growth from birth to senescence. (x8)

PSY 255 Health Psychology (3 crs.) Investigates the relationship between behavior and health; emphasizes the theory and science of health behavior change; explores specific behaviors and behavior change strategies (x6)

PSY 301 Introduction To Experimental Psychology (3 crs.) Lectures, demonstrations, and laboratory experiments introduce the student to basic methodological principles and experimental techniques applied in psychological research. (x5)

PSY 432 Advanced Developmental Psychology (3 crs.) Major issues in developmental psychology. Emphasis on research in Piaget, Erikson, Bruner, Kagan, and Moss. Includes effects of infant care, sex typing, parental discipline, and developmental aspects of intellectual and perceptual growth. (x11)

Graduate Courses - Department of Psychology, University of Rhode Island, Kingston, RI

PSY 532 Experimental Design (3 crs.) Cross-listed as (STA), PSY, AFS 532. Application of statistical methods to biological and psychological research and experimentation. Experimental situations for which various ANOVA and ANCOVA designs are most suitable. (x1)

PSY 533 Advanced Quantitative Methods In Psychology (3 crs.) Advanced quantitative methods applied to psychology. Survey of methods such as multiple regression, multivariate analysis of variance, discriminant analysis, canonical correlation, principal component analysis, and factor analysis. Applications involve practice with computer programs. (x1)

PSY 604 Cognitive Psychology (3 crs.) A survey of the theoretical and methodological issues in human cognition. Topics include pattern recognition, attention, memory, language, problem solving. Counts as a core course for graduate study in psychology and includes an historical perspective. (Lec. 3) (x1)

PSY 611 Methods of Psychological Research and Experimental Design (3 crs.) Provides the student of psychology with a knowledge of research methodology and the techniques of experimental designs. It prepares for the development of thesis problems of graduate students in psychology and related disciplines. (x4)

PSY 690 Seminar: Contemporary Issues In Psychology (3-12 crs.) Recent developments and current issues. Rigorous exploration of experimental, applied, and theoretical literature. (Seminar). *I have taught four seminars under this course number, Advanced Developmental Methods (x2), Longitudinal Methods, and Statistical Programming. (x4)

Major Professor Service

Mariyam Abbas (PhD, expected 2026)

Coral Shuster (PhD, 2023; Placement: Brown University, post-doc)

Wenqiu Cao (PhD, 2023; Placement: Munich Re Life, Senior Data Scientist)

†Daniel Smith (PhD, 2018; Placement: Springfield College, Assistant Professor)

Val Ryan, MA (MA, 2018; Placement: National Center for Health Statistics, Behavioral Scientist)

†Annie Fairlie, PhD (Co-Major Professor with Dr. Mark Wood; Associate Professor, University of Washington)

†Recipient of Peter Merenda Prize in Statistics and Research Methodology

First Year Advisor(FY)/Graduate Committee(GC) Service

Viviane Fornasaro-Donahue (FY)*

Hewenxuan Li (CG, chair)

Will Lowenkamp (FY, withdraw)

Danny Delaney (GC)

Amanda Roy (FY)*

Shannon Forkus (FY)*

Bonita Basnyat (FY)

Jan Eilbrecht (GC, chair)

Jenlyn Furey (GC)
Rick Palumbo (FY)
Jaejoon Song (FY)*
Matthew Goodwin (GC)*
Andrew Sorkin*

*Indicates student received financial support from my grants or is a co-author.

OTHER PROFESSIONAL ACTIVITY

Guest Lectures

University of California, Los Angeles, April 2019
University of California, San Diego, April 2019
University of Florida, March 2019
Oxford University, Oxford, UK, June 2014.
Oxford University, Oxford, UK, June 2014.
Bahcesehir University, Istanbul, Turkey, 2012
Far East University, Vladivostok, Russia, 2012
University of Amsterdam, Amsterdam, Netherlands, 2011

Workshops and Conferences Attended

Becoming an Ally and Co-Conspirator in Developmental Science. SRCD On-line. November 18, 2020.

Quantified Self. San Diego, CA May, 2016.

Short Course of the Genetics of Addiction. Dr. Ellissa Chesler. Bar Harbor, ME. August, 2010.

Models for Longitudinal and Incomplete Data. Drs. Geert Verbeke and Geert Molenberghs. Durham, NH, June, 2008.

Fitting Mixed-effects Models Using the lme4 Package in R. Dr. Douglas Bates. Durham, NH, June, 2008.

Statistical Methods for Modeling Human Dynamics: An Interdisciplinary Dialogue. Notre Dame Series on Quantitative Methodology, Dr. Sy-Miin Chow. South Bend, IN. May, 2007.

Workshop: Statistical Methods for Modeling Dynamic Systems. Drs. James O. Ramsay, Giles Hooker, and David Campbell. Montreal, CA. July 2007.

Multilevel Modeling in Mplus. Dr. Bengt Muthen. Baltimore, MD. February, 2005.

Annual Meeting of the Society for Prevention Research, Washington DC. June, 2003.

Summer Institute on Longitudinal Methods, Dr. Judith Singer and Dr. John Willett. The Methodology Center, The Pennsylvania State University, State College, PA. June, 2003.

Notre Dame Series on Quantitative Methodology, Dr. Steven Boker. South Bend, IN. May, 2003.

Biennial Meeting of the Society for Research on Child Development, Tampa, FL, April, 2003.

Annual Meeting of the International Biometry Society, Eastern North American Region. Tampa, FL. April, 2003.

Analyzing Developmental Trajectories: A Group-based Approach, Dr. Daniel Nagin. The Methodology Center, The Pennsylvania State University, State College, PA. February 2003.

Experience Sampling Using Palm Pilots to Capture Day-to-Day Life in Numbers. Dr. Jean-Philippe Laurenceau. Murray Research Center, Radcliffe College, Cambridge, MA. February, 2003.

Structural Equations Modeling Workshop, Dr. Michael J. Rovine. Spring, 2001. Boston College.
TQM in the Universities with Dr. W. Edwards Deming. Conference Organizer. Spring 1993.
Pegasus International Systems Thinking Conference, Spring 1996.
The Russian School, Norwich University, Summer 1988.

Other Teaching Experience

Guest Instructor, International Summer School: Applied Psychometrics in Psychology and Education,
National National Research University Higher School of Economics, Moscow, Russia (Funded
by World Bank fund to host university)

Workshop (Mixed Effect Location Scale Models), Oxford University, Oxford England, 2014.

Workshop (Intensive Longitudinal Data), Oxford University, Oxford, England, 2011, 2016.

Guest Faculty, Summer Training Institute for Randomized Clinical Trials Involving Behavioral
Interventions. July, 2006.

Organized multi-site study group and speaker series for the development of methods for
intensive longitudinal data. Winter, 2003.

Adjunct Faculty. Department of Psychology. Southern Connecticut State University, New Haven,
CT. Fall 2002.

Adjunct Faculty. Department of Psychology. Boston College, Chestnut Hill, MA. Spring 2000.

Teaching Assistant. Department of Psychology. Boston College, Chestnut Hill, MA. Fall and
Spring, 2000. Dr. Peter Gray and Dr. Malcolm Watson.

Specialized Skills: R, MATLAB, SAS, LISREL, L^AT_EX. Languages: Russian (fluent); German, Dutch, and
French (limited reading); Kazakh (limited oral). Instruments: Guitar, Baritone Horn, Piano,
Accordion. Hobbies: Historic Preservation, Sailing, and Soccer