

## CURRICULUM VITAE

### ACADEMIC/PROFESSIONAL BACKGROUND

Larry R. Price, Professor  
Professor – Quantitative Methods (Psychometrics & Statistics)  
College of Education  
College of Science, Department of Mathematics (by courtesy)  
Texas State University

### EDUCATIONAL BACKGROUND

Degree	Year	University	Major(s)	Thesis/Dissertation
Ph.D.	1997	Georgia State University	Higher Education <i>Specialization:</i> Research, Measurement, Statistics	Differential Item Functioning and Language Translation: A Cross-National Study with a Test Developed for Certification
M.A.	1985	Texas State University	Health & Human Performance (Biomechanics)	A Biomechanical Comparison of the Grab and Conventional Sprint Start of Female Age Group Swimmers
B.S.	1983	Texas State University	Health & Human Performance, College of Education	

### UNIVERSITY EXPERIENCE

Position	University	Dates
Professor - Quantitative Methods (Psychometrics & Statistics) Doctoral Program in Education College of Education, Department of CLAS College of Science, Department of Mathematics	Texas State University	11/01/23 - present
Director – (100%) Data Analytics & Research Methodology, Division of Research Texas State University	Texas State University	09/01/22 - 10/31/23

Professor – (50% faculty) Quantitative Methods (Psychometrics & Statistics) Doctoral Program in Education College of Education, Department of CLAS College of Science, Department of Mathematics	Texas State University	10/01/17 - 08/31/22
Director – Interdisciplinary Initiative for Research Design & Analysis (IIRDA), Testing, Research & Evaluation Center (TREC) – Texas State University, Dr. Gail R. Ryser Supervisor Professor – Quantitative Methods (Psychometrics & Statistics) (100% faculty) College of Education, Department of CLAS College of Science, Department of Mathematics	Texas State University	01/01/10 - 09/01/17
Professor of Psychometrics & Statistics College of Education Education Ph.D. Program Professor & Associate Dean for Research	Texas State University	9/25/06 – 5/31/08
Associate Professor & Assistant Dean for Research - College of Education	Texas State University	1/15/06- 9/23/06
Associate Professor of Psychometrics & Statistics Educational Administration & Psychological Services - Education Ph.D. Program	Texas State University	2004-2006
Assistant Professor of Psychometrics & Statistics Educational Administration & Psychological Services- Education Ph.D. Program	Texas State University	2001-2004
Senior Lecturer & Biostatistician	Emory University Emory College & School of Medicine, Department of Psychiatry & Behavioral Sciences	1986-1999
Graduate Faculty (Adjunct) - Department of Psychology	St. Mary's University	1999-2000

## Relevant Professional Experience

Position	Entity	Dates
Psychometrician/Statistician II	The Psychological Corporation, Pearson Assessment, Inc. San Antonio, Texas	1999-2001
Senior Lecturer	Emory University – Emory College	1986 – 1999
Biostatistician/Psychometrician (Consulting)	Psychiatry & Behavioral Sciences School of Medicine Atlanta, Georgia	

## Honors and Awards:

Alumni Teaching Award of Honor – Texas State University – 2020

Fellow of the American Psychological Association, Division 5 – Evaluation, Measurement & Statistics – 2011

Outstanding Contribution to Sport and Scientific/Technical Scuba Diving – 1987  
International Award by the National Association of Underwater Instructors Worldwide

## Licensure and Certifications:

Accredited Professional Statistician – American Statistical Association (2011-present)

## Courses Taught:

ED 7351	Quantitative Methods & Statistical Analysis I
ED 7353	Quantitative Methods & Statistical Analysis II
ED 7359	Advanced Research Seminar in Quantitative Methods – Multivariate Statistical Methods, Multilevel, and Structural Equation/Causal Modeling
MATH 7356	Advanced Research Seminar in Quantitative Methods – Multivariate Statistical Methods, Multilevel, and Structural Equation Modeling
ED 7378	Nonparametric & Bayesian Statistical Methods
ED 7378	Special Topics in Quantitative Methods - Psychometrics
ED 7350	Methods of Research in Education & Psychology
ED 7399	Dissertation Seminar
EDP 5378	Psychometrics
EDP 5391	Methods of Research in Education & Psychology
PE 5305	Advanced Measurement in Exercise Science
CI 7389G	Educational and Psychological Measurement and Testing

## **Graduate Theses/Dissertations or Exit Committees:**

### **COMPLETED:**

Peggy Richmond (2023). "How Adult Entrepreneurs Perceive and Resolve Differences in Their Own and Others' Assessments of Their Entrepreneurial Competence: A Study of Self-Directed Learning and Coping" Doctoral Dissertation Committee Chair for the Degree of Doctor of Philosophy in Education, Adult, Professional and Community Education. Texas State University-San Marcos, San Marcos, Texas.

Jodie Gray (2020). "Structural and Functional Alterations in Major Depressive Disorder: A Multi-Modal Meta-Analytic Approach to Network Modeling" Doctoral Dissertation Committee Member (methodology). Graduate School of Biomedical Sciences, School of Medicine, University of Texas Health Science Center at San Antonio, San Antonio, Texas.

Christopher Nanry (2020). "Relationship of Higher Education and Law Enforcement Performance" Doctoral Dissertation Committee Co-Chair for the Degree of Doctor of Philosophy in Education, School Improvement, Texas State University-San Marcos, San Marcos, Texas.

Russell Krummell (2020). "Correlates of Pathways Between School Climate and Self-Efficacy: A Study of Ninth and Tenth Graders in a Public School." Doctoral Dissertation Committee Co-Chair for the Degree of Doctor of Philosophy in Education, School Improvement, Texas State University-San Marcos, San Marcos, Texas.

Angelina Lapina (2020). "Does Exposure to Problem-Based Learning Strategies Increase PFT and N.F.C. in Higher Education Students? – A Quasi-Experimental Study" Doctoral Dissertation Committee Co-Chair for the Degree of Doctor of Philosophy in Education, Adult, Professional, and Community Education, Texas State University-San Marcos, San Marcos, Texas.

Eithan Kotkowski (2019). "Characterizing the Neural Signature of Metabolic Syndrome" for the Degree of Doctor of Medicine and Doctor of Philosophy (M.D./Ph.D.), Doctoral Dissertation Committee Member (methodology). Graduate School of Biomedical Sciences, School of Medicine, University of Texas Health Science Center at San Antonio, San Antonio, Texas.

Daniel Perry (2019). "Assessing the Influence of Community College Course Selection Pathways on Transfer Student Persistence: A Model for Comparative Evaluation." Doctoral Dissertation Committee Chair for the Degree of Doctor of Philosophy in Education, Adult, Professional, Community Education, Texas State University-San Marcos, San Marcos, Texas.

Rachel Smallwood (2018). "Network Alterations in Comorbid Chronic Pain and Opioid Addiction: An Exploratory Approach" for the Degree of Doctor of Medicine and Doctor of Philosophy (M.D./Ph.D.), Doctoral Dissertation Committee Member (methodology). Graduate School of Biomedical Sciences, School of Medicine, University of Texas Health Science Center at San Antonio, San Antonio, Texas.

Jocabed Marquez (2018). "A Longitudinal Investigation of Language and Executive Function on Mathematics and Science Achievement in Early Childhood." Doctoral Dissertation Committee Chair for the Degree of Doctor of Philosophy in Education, School Improvement, Texas State University-San Marcos, San Marcos, Texas.

Minor Baker (2018). "Patterns and Predictors of Emerging School Leaders: An Examination of Factors Impacting Initial Principalship Job Attainment" for the Degree of Doctor of Philosophy in Education, School Improvement, Texas State University-San Marcos, San Marcos, Texas.

Brett Lee (2018). "Financing Public Education via Crowdfunding: K-12 Teachers as Social Entrepreneurs" for the Degree of Doctor of Philosophy in Education, School Improvement, Texas State University-San Marcos, San Marcos, Texas.

Mutah (2019). "Motivation, Anxiety and Work Ethic as Mediators Between Cognitive-Activation Instruction and Mathematics and Science Performance," Doctoral Dissertation Committee Co-Chair for the Degree of Doctor of Philosophy in Developmental Education, Texas State University-San Marcos, San Marcos, Texas.

Susan Croteau (2018). "Leading for Equity: An Exploration of Individual and Institutional Supports for Teacher Activism" for the Degree of Doctor of Philosophy in Education, School Improvement, Texas State University-San Marcos, San Marcos, Texas.

William Barry (2018). "Online MS Word, Instructional Video for Helping Students Turn-On and Use Immediate Writing Feedback: A Longitudinal Study of Developmental Writing Progress and Self-Efficacy," Doctoral Dissertation Committee Co-Chair for the Degree of Doctor of Philosophy in Education, School Improvement, Texas State University-San Marcos, San Marcos, Texas.

Zane Wubenna (2017). "Education in the Media: Representation of Educational Policy and Pedagogy" Doctoral Dissertation Committee Member for the Degree of Doctor of Philosophy in Education, School Improvement, Texas State University-San Marcos, San Marcos, Texas.

B. J. Spencer (2017). "Reflection on the Pursuit of Professional Architectural Identity: Study Abroad, Creativity, and the Professional Education of Architecture." Doctoral Dissertation Committee Co-Chair for the Degree of Doctor of Philosophy in Education, Texas State University-San Marcos, San Marcos, Texas.

Eithan Kotkowski (2017). "The Hippocampal Network Model: A Transdiagnostic Metaconnectomic Approach" for the Degree of Doctor of Medicine and Doctor of Philosophy (M.D./Ph.D.), Doctoral Dissertation Committee Member (methodology). Graduate School of Biomedical Sciences, School of Medicine, University of Texas Health Science Center at San Antonio, San Antonio, Texas.

Karl Li (2016). "Bidirectional age-related changes in default mode network effective connectivity across six decades" for the Degree of Doctor of Medicine and Doctor of Philosophy (M.D./Ph.D.), Doctoral Dissertation Committee Member (methodology). Graduate School of

Biomedical Sciences, School of Medicine, University of Texas Health Science Center at San Antonio, San Antonio, Texas.

Ester Regalado (2014). "English Language Learner Accountability and Resource Allocation: A Critical Analysis of E.L.L. Educational Outcomes." Doctoral Dissertation Committee Member (methodology) for the Degree of Doctor of Philosophy in Mathematics Education, Texas State University-San Marcos, San Marcos, Texas.

Daniel Barron (2014). "Thalamic Connectivity in Temporal Lobe Epilepsy." Doctoral Dissertation Committee Member (methodology) for the Degree of Doctor of Medicine and Doctor of Philosophy (M.D./Ph.D.), Graduate School of Biomedical Sciences, School of Medicine, University of Texas Health Science Center at San Antonio, San Antonio, Texas.

Rini Ocatvia (2013). "Identifying Developmental Levels and Learning Trajectories in Statistics for Grade 6-12 Students". Doctoral Dissertation Committee Member (methodology) for the Degree of Doctor of Philosophy in Mathematics Education, Texas State University, San Marcos, Texas.

Karen Jones (2013). "The Myth of Benchmark testing: Isomorphic Practices in Texas Public School Districts' use of Benchmark Testing." Doctoral Dissertation Committee Member (methodology) for the Degree of Doctor of Philosophy in Education, Texas State University, San Marcos, Texas.

Denise Villa (2013). "The Effects of Ninth Grade Small Learning Communities on At-Risk Students in Science and Mathematics." Doctoral Dissertation Committee Member (methodology) for the Doctor of Philosophy in Education Degree, Texas State University-San Marcos, San Marcos, Texas.

Maria Traverse (2012). "Post-Graduate Performance: An Academic Comparison Evaluating Situated Learning and Law School Acceptance Scores." Doctoral Dissertation Committee Chair for the Doctor of Philosophy in Education Degree, Texas State University-San Marcos, San Marcos, Texas.

Floyd Quinn (2011). "The Effects of Employment Development and Other Factors on Intention to Stay Among Employees of Four-Year, Public Institutions of Higher Education in Texas." Committee member for the Degree of Doctor of Philosophy in Mathematics Education, Texas State University-San Marcos, San Marcos, Texas.

David Allen (2011). "Influence of Science and Technology Magnet Middle Schools on Students' Motivation and Achievement in Science." Doctoral Dissertation Committee Chair for the Doctor of Philosophy in Education Degree, Texas State University-San Marcos, San Marcos, Texas.

Cristian Lieneck (2011). "An Examination of Individual Competencies Among Students Matriculating Through an Undergraduate Healthcare Administration Program." Doctoral Dissertation Committee Chair for the Doctor of Philosophy in Education Degree, Texas State University-San Marcos, San Marcos, Texas.

Jill A. Cochran (2010) "Secondary Mathematics Teacher's Curriculum Philosophies and Experience." Doctoral Dissertation Committee Member for the Degree of Doctor of Philosophy in Mathematics Education, Texas State University-San Marcos, San Marcos, Texas.

Jennifer Beck (2010). "One Year Persistence and Three Year Graduation of Adult Students Ages 30-39 at a Four Year Public Institute – A Path Analytic Study". Doctoral Dissertation Committee Chair for the Doctor of Philosophy in Education Degree, Texas State University-San Marcos, San Marcos, Texas.

Elizabeth Belasco (2010). "The Influence of Academic, Cultural, and Social Factors on the Matriculation of Latina/o Students in Higher Education." Doctoral Dissertation Committee Chair for the Doctor of Philosophy in Education Degree, Texas State University-San Marcos, San Marcos, Texas.

Byron Morgan (2008). "The Interactive Effects of Personal Credit Literacy in Predicting the Credit Card Debt of College Students and Subsequent Outcomes." Doctoral Dissertation Committee Chair for the Doctor of Philosophy in Education Degree, Texas State University-San Marcos, San Marcos, Texas.

Ramona Pelkey (2008). "A Moderated Mediated Path Analysis of Factors Influencing Student Performance on a Standardized High-Stakes Test." Doctoral Dissertation Committee Member for the Degree of Doctor of Philosophy in Education, Texas State University-San Marcos, San Marcos, Texas.

Linda Brophy (2006). "Differentiating Between Immediate and Delayed Recall: An Evaluation of the Wechsler Memory Scale - III." Doctoral Dissertation for the Degree of Psychological Science - formal committee member for quantitative research design and analysis, LaTrobe University, Victoria, Australia.

Holly Galloway (2006). "Barriers Faced by Women: A Study of Female Superintendents in Texas." Doctoral Dissertation Committee Member - quantitative research design and analysis using Structural Equation Modeling and Path Analysis, Texas State University – San Marcos.

Jacqueline McDonald (2006). "Public Health Policy: How do Texas Health Legislators Come to Understand the Issues?". Chair/Supervisor - Doctoral Dissertation Committee - quantitative research design and analysis using logistic regression, Texas State University – San Marcos. (Supervisor)

Chelsub Lew (2006). "The Professional Learning Community: The Self-Directed Learning of Teachers and Their Practices of Professional Community." Doctoral Dissertation Committee Member - quantitative research design and analysis using Partial Least Squares and structural Equation Modeling, Doctoral Program in Education, Texas State University - San Marcos.

Michelle M. Bohls (2006). "An Intervention for Job-Search Transition Readiness: The Effect On Displaced Workers' Readiness For Change." Master's Thesis Committee Member- Quantitative Research Design and Analysis using Structural Equation Modeling, Department of Educational Administration & Psychological Services - Professional Counseling, Texas State University - San Marcos.

Angelina Galvez-Kiser. (2005). "An Analysis of the Factors that Contribute to the Persistence of College Students." Chair/Supervisor - Doctoral Dissertation Committee - quantitative research design and analysis using logistic regression, Texas State University – San Marcos. (Supervisor).

Janet K. Ply (2004). "The Impact Job Attitudes and Intentions within Software Development Organizations of Different Maturity Levels." Doctoral Dissertation Committee Member- Quantitative Research Design and Analysis using Structural Equation Modeling, Department of Information Technology, George Mason University.

Laura Lindley (2003). "Role Conflict in Mothers Who are Incarcerated." Masters Thesis Committee Member- Quantitative Research Design and Analysis, Department of Sociology, College of Liberal Arts, Texas State University.

Tabatha Goren (2003). "The Impact of Intervention Strategies on the Intentional Components of the Revised Theory of Planned Behavior." Masters Thesis Committee Member- Quantitative Research Design and Analysis, College of Health and Human Performance, Texas State University.

Leah Huth (2003). "Preferences of Hispanic and Anglo Campers: A comparison of physical and managerial elements, barriers to camping, and the effect of acculturation." Masters Thesis Committee Member- Quantitative Research Design and Analysis, College of Health and Kinesiology, Texas State University.

Kathryn Lee (2003). Doctoral Dissertation Committee Member – Quantitative Research Design and Analysis, College of Education, The University of Texas at Austin.

Carrie Priete (2002). Master's Thesis Committee Member – Quantitative Research Design and Analysis, College of Science, Department of Biology, Texas State University-San Marcos. Advisor for research design and statistics.

Angie Frankenberg (2002). "The Effects of 16 Weeks of Tai-Chi on the choice of reaction time". Department of Exercise Science and Physical Education, Texas State University. Advisor for research design and statistics.

Marybeth Elliot-Lloyd, M. (1998). "The Effect of a Four-Month Walking Program on Body Fat in African-American and Caucasian Sedentary Females." Department of Biochemistry, Emory University School of Medicine. Advisor for research design and statistics.



Robin Schern-Brewer (1997). "The Effect of Chronic Exercise on the Susceptibility of Isolated Low-Density Lipoproteins to In-Vitro Oxidation." Department of Biochemistry, Emory University School of Medicine. Advisor for research design and statistics.

Carla Wetzstein (1997). "Does Acute Exercise Affect the Susceptibility of Low-Density Lipoprotein to Oxidation?" Dissertation Research Statistical Advisor, Emory University.

### **DISSERTATION ADVISORY (In progress)**

#### **College of Education**

Stephen Prentice (2022 – present). Dissertation Chair.

Michael Perkins (2021 – present). Dissertation Committee Member.

Michael Ota (2021 – present) Dissertation Committee Member.

Heather Kristoff (2020 – present). Dissertation Committee Chair.

Mason Murphy (2021- present). Dissertation Committee Member.

Matt Abbott (2020 – present). Dissertation Committee Member.

#### **College of Science – Department of Mathematics (Completed)**

Rosenwasser, Alana (completed). Dissertation Committee Member.

Geoffrey Miller (completed). Committee Member.

#### **University of Texas Health Science Center at San Antonio – Research Imaging Institute**

Annie Dang (2022-present). Dissertation Committee member M.D./Ph.D. Program. F-31 NIH award (statistical methodology).

Joseph Goodson-Gregg (2022-present). Consultant/Mentor M.D./Ph.D. Program. F-31 NIH award (statistical methodology).

Jonathan Towne (2022-present). Dissertation Committee member M.D./Ph.D. Program. F-31 NIH award (statistical methodology).

Eithan Kotowski (2017-2019). Dissertation Committee member M.D./Ph.D. The program, F-31 NIH award (statistical methodology) – was completed.

Gray, Jodie (2016 – 2018). Dissertation Committee member M.D./Ph.D. Program, F-31 NIH award (statistical methodology) – completed.

Smallwood, Rachel (2016 – 2018). Dissertation Committee member M.D./Ph.D. Program, F-31 NIH award (statistical methodology) – completed.

Li, Karl (2014 – 2017). Dissertation Committee member M.D./Ph.D. Program, F-31 NIH award (statistical methodology) – completed.

Barron, Daniel (2014 – 2017). Dissertation Committee member M.D./Ph.D. Program, F-31 NIH award (statistical methodology) – completed.

### **Courses Prepared and Curriculum Development:**

EDP 5378	Network & Computational Psychometrics
ED 7351	Research Methods and Statistical Analysis I
ED 7353	Multivariate Research Methods and Statistical Analysis
ED 7359	Advanced Quantitative Seminar
ED 7378	Nonparametric & Bayesian Statistical Methods
ED 7378	Special Topics in Quantitative Methods
ED 7389G	Methods of Research in Education & Psychology
ED 7378	Mastering Research Literacy
CI 7389G	Educational and Psychological Measurement and Testing

### **Funded External Teaching Grants and Contracts:**

Stats Camp. **Course Professor for Psychometrics**, virtual course, February 16 - 19, 2023.

Stats Camp. **Course Professor for Psychometrics**, virtual course October 22 - 24, 2022.

Stats Camp. **Course Professor for Network Psychometrics**, virtual course November 17 - 19, 2022.

Stats Camp. **Course Professor for Psychometrics**, October 4 - 6, 2021, U.C.L.A., Los Angeles, CA.

Texas Tech University, Institute for Measurement and Methodology and Policy (I.M.M.A.P.) – Stats Camp. **Course Professor for Psychometrics**, February 2 - 5, 2020, Atlanta, GA.

Texas Tech University, Institute for Measurement and Methodology and Policy (I.M.M.A.P.) – Stats Camp. **Course Professor for Psychometrics**, June 2 - 6, 2019, Albuquerque, NM.

Texas Tech University, Institute for Measurement and Methodology and Policy (I.M.M.A.P.) – Stats Camp. **Course Professor for Psychometrics**, June 4 - 8, 2018, Albuquerque, NM.

The PEAR Institute, McLean Hospital, Harvard University, Psychometrician, Psychometric Properties and Norms development for the Common Instrument Suite (C.I.S.), a self-report survey that measures various science, technology, engineering, and math (S.T.E.M.)-related attitudes, including S.T.E.M. interest, S.T.E.M. career knowledge, and S.T.E.M. identity, 2018 – 2019.

The PEAR Institute, McLean Hospital, Harvard University, Psychometrician, Psychometric Properties and Norms Development for the Holistic Student Assessment, 2017.

Texas Tech University, Institute for Measurement and Methodology and Policy (I.M.M.A.P.) – Stats Camp. **Course Professor for Psychometrics**, June 5 - 9, 2017, Albuquerque, NM.

Texas Tech University, Institute for Measurement and Methodology and Policy (I.M.M.A.P.) – Stats Camp. **Course Professor for Psychometrics**, June 6 - 10, 2016, Albuquerque, NM.

Texas Tech University, Institute for Measurement and Methodology and Policy (I.M.M.A.P.) – Stats Camp. **Course Professor for Psychometrics**, June 1 - 5, 2015, Dallas, TX.

Larry R. Price, Ph.D. (P.I.), The B.A.I.R. Foundation  
A Retrospective Study of the Structured Intervention Treatment Foster Care Program, Principle Investigator, 10,000.00.

The University of Texas at Austin – Summer Statistics Institute. **Course Professor for Psychometric Theory**, May 26-29, 2009.

University of Texas Health Science Center at San Antonio, Research Imaging Center - Course Professor for Structural Equation Modeling, June-August 2015.

University of Texas Health Science Center at San Antonio, Research Imaging Center - Course Professor for Structural Equation Modeling, June 2008.

### **Funded Internal Teaching Grants and Contracts:**

*Texas Trends: Towards Developing an Interdisciplinary, Sustained Research Network in Land Change at Texas State University* (2013). L. R. Price (Co-PI). Two-year 25,000.00 award, Texas State University.

## SCHOLARLY/CREATIVE

### Published Books:

**Price, L. R.** (2022) *Psychometric Methods: Theory into Practice (Turkish Edition)*. New York, NY: Guilford Publications, Inc. 552 pages.

**Price, L. R.** (2016) *Psychometric Methods: Theory into Practice*. New York, NY: Guilford Publications, Inc. 552 pages.

**Price, L.R.** (2011). *Differential Item Functioning and Language Translation: A Cross-National Study with a Test Developed for Certification*. Saarbrucken, Germany, Lambert Academic Publishing & Co.

**Price, L. R.** (1999). *The N.A.U.I. Instructor Certification Examination Sourcebook, Volume 1*. National Association of Underwater Instructors: Tampa, FL.

**Price, L. R.** (1997). *The N.A.U.I. Certification Examination Sourcebook, Volume 1*. National Association of Underwater Instructors: Tampa, FL.

**Price, L. R.** (1998). *The N.A.U.I. Certification Examination Sourcebook, Volume 2*. National Association of Underwater Instructors: Tampa, FL.

### Chapters in Books

**Price, L. R.** (2023). Confirmatory Factor Analysis, in the International *Encyclopedia of Education, Quantitative Research/Educational Measurement*. Elsevier 4e.

Smallwood, R., **Price, L. R.**, Campbell, J. L., Garrett, A. S., Atalla, S. W., Monroe, T. B., Aytur, S. A., Potter, J. S., and Robin, D. A. (2021). Network Alterations in Comorbid Chronic Pain and Opioid Addiction: An Exploratory Approach. In H. Ekhtiari, A. Verdejo-Garcia, S. Moeller, A. Baldacchino, & M. Paulus (Eds.), *Brain and Cognition for Addiction Medicine: From Prevention to Recovery* (p. 171- 182). Lausanne: Frontiers Media SA. Doi: 10.3389/978-2-88966-377-4.

**Price, L. R.** (January 2013). Analysis of Imaging Data, Chapter 9 in the *Oxford Handbook of Quantitative Methods in Psychology, volume 2*. New York, NY: Oxford University Press.

Tulsky, D. S., **Price, L.R.**, and Wilkins, C (2002). Assessment of Cognitive Functioning with the WAIS-III and WMS-III: Development of a 6-Factor model of cognitive functioning. Chapter 4 in *Advances in Clinical Use and Interpretation of Memory and Intelligence*. Harcourt: Academic Press.

Shern-Brewer, R., Santanam, N., Wetzstein, C., Welkley, J., **Price, L.**, Parthasarathy, S. (1999). The paradoxical relationship of aerobic exercise and the oxidative theory of atherosclerosis. *Exercise and Oxygen Toxicity*, 3rd ed.

**Price, L. R.** (1994). *The Leadership Textbook*, National Association of Underwater Instructors: Montclair, CA., Author of the Teaching Methodology and Leadership Development chapters.

**Price, L. R.** (1989). *Athletic Training and Sports Medicine*, Second Edition, American Academy of Orthopedic Surgeons: Park Ridge, Ill. Author of the Diving Medicine chapter.

### **Refereed Journal Articles:**

Garrett, A.S., Zhang, W., **Price, L.R.**, Cross, J., Gomez-Giuliani, van Hoof, M-J., Carrion, V., Cohen, J.A. (2023). Structural equation modeling of treatment-related changes in neural connectivity for youth with PTSD. *Journal of Affective Disorders*, 334, 50-59. DOI: 10.1016/j.jad.2023.04.066

Morriss, R. **Price, L. R.** (2022) Feasibility, acceptability, and costs of nurse-led Alpha-Stim cranial electrostimulation to treat anxiety and depression in university students. *B.M.C. Primary Care*, 23(1), 1-14.

Forber-Pratt, A., **Price, L. R.**, Merrin, G. J., Hannebut, R. A., Fairclough, J. A. (2022). Psychometric Properties of the Disability Identity Development Scale Confirmatory Factor and Bifactor Analyses. *Rehabilitation Psychology*. American Psychological Association. <https://doi.org/10.1037/rep0000445>

Kotkowski, E., **Price, L. R.**, DeFranzo, R. A., Franklin, C. G., Salazar, M., Garrett, A. S., Woolsey, M., Blangero, J., Duggal, R., Glahn, D. C., Fox, P. T. (2022). Mexican-American Adults: Results from the Genetics of Brain Structure Image: Results from the Genetics of Brain Structure Image Archive. *Frontiers in Aging Neuroscience*, DOI: 10.3389/fnagi.2022.999288.

Chiang, F., Feng, M., Romero, R., **Price, L.**, Franklin, C. G., Deng, S., Gray, J. P., Fang, F. Yu, Tantiwongkosi, B., Huang, S. Y., and Fox, P. T. (2021) Disruption of the atrophy-based functional network in Multiple Sclerosis is associated with clinical disability: Validation of a Meta-Analytic model in resting-state functional M.R.I. *Radiology*, 299(1), 159-166.

**Price, L. R.**, Briley, J., Haltiwanger, S., and Hitching, R. (2021). A Meta-Analysis of cranial electrotherapy stimulation in the treatment of depression. *Journal of Psychiatric Research* 119-134. <https://doi.org/10.1016/j.jpsychires.2020.12.043>.

**Price, L. R.**, Briley, J., Kirsch, D., and Hitching, R. (2020). A Meta-Analysis of cranial electrotherapy stimulation in the treatment of insomnia. *Annals of Psychiatry and Mental Health* 8(3): 1157.

Morriss, R. and **Price, L. R.** (2020). Differential effects of cranial electrotherapy stimulation on changes in anxiety and depression symptoms over time in patients with generalized anxiety disorder. *Journal of Affective Disorders*, 277, 785-788.

Friedman, L. Stern, H.S., **Price, L. R.**, and Komogortsev, O. (2020). The temporal persistence of biometric features assessed by the intraclass correlation coefficient is so valuable for classification performance. *Sensors*, 20(16), 4555.

Forber-Pratt, A., Merrin, G. J., Mueller, C. O., **Price, L. R.**, and Kettrey, H. H. (2020). Initial factor exploration of disability identity. *Rehabilitation Psychology*, 65, No. 1, 1-10.

Friedman, L. Stern, H.S., **Price, L. R.**, and Komogortsev, O. (2020). Why temporal persistence of biometric features is so valuable for classification performance. *arXiv preprint*: 2001.09100.

Kotkowski, E., **Price, L. R.**, Blevins, C. J., Franklin, C. G., Woolsey, M. D. (2020). Using the Schmahmann Syndrome Scale to assess cognitive impairment in young adults with metabolic syndrome: A hypothesis-generating report. *The Cerebellum*, 1-5.

Kotkowski, E., **Price, L. R.**, Defronzo, R., Franklin, C. G., Salazar, M. (2020). The influence of metabolic syndrome on gray matter volume in early, young, and middle-aged Mexican American adults. *Annals of Neurology*, 88, S77-S78.

Pavelko, S. L., **Price, L. R.**, and Owens, R. (2020). Revisiting reliability: Using sampling utterances and grammatical analysis revised (SUGAR) to compare 25- and 50-utterance language samples. *Language, Speech, and Hearing Services in the Schools*, 1-17.

Smallwood, R. F., **Price, L. R.**, Campbell, J. L., Garrett, A. S., Atalla, S., Monroe, T. B., Aytura, S. A., Potter, J. A., and Robin, D. A. (2019). Network alterations in comorbid chronic pain and opioid addiction: an exploratory approach. *Frontiers in Human Neuroscience*, Vol. 13, p. 174. DOI: 103398/fnhum.2019.00174.

Morriss, R., Xydopoulos, G., Craven, M., **Price, L.**, and Fordham, R. (2019). Clinical effectiveness and cost minimization model of Alpha-Stim cranial electrotherapy stimulation in treatment-seeking patients with moderate to severe generalized anxiety disorder. *Journal of Affective Disorders*, Vol 23, pp. 426-437. <https://doi.org/10.1016/j.jad.2019.04.020>

Kotkowski, E., **Price, L. R.**, Franklin, C., Salazar, M., Defronzo, R., Glahn, D. C. and Fox, P. T. (2019). 3069 Characterizing the neural signature of metabolic syndrome. *Journal of Clinical and Translational Science*, 3, (1), 4-4.

Kotkowski, E., **Price, L. R.**, Franklin, C., Salazar, Maximino, Woolsey, M., DeFronzo, R. A., Blangero, J. Glahn, D. C. and Fox, P. T. (2019). A neural signature of metabolic syndrome. *Human Brain Mapping*, 1-14. <https://DOI.org/10.1002/hbm.24617>

**Price, L. R.**, Kirsch, T. B., Kuhn, J., Marksberry, J. and Haltiwanger, S. G. (2019). A novel medical device that relieves anxiety, depression, and pain while improving sleep in a population of teachers. *Journal of Depression and Anxiety*, 8(2): 334.

**Price, L. R.**, Gonzalez, D. P. & Whittaker, T. A. (2019). Performance of nonrecursive latent variable models under misspecification. *Structural Equation Modeling: A Multidisciplinary Journal*. <https://doi.org/10.1080/10705511.2018.1463164>

Threadgill, E. A., and **Price, L. R.** (2019). Assessing online viewing practices among college students. *Journal of Media Literacy Education*, 11(2), 37-55.

Kotkowski, E., **Price, L. R.**, Vanasse, T. J., Fox, P. M., and Fox, P. T. (2018). The hippocampal network model: A transdiagnostic meta connectomic approach. *Neuroimage: Clinical*. <https://doi.org/10.1016/j.nici.2018.01.002>

**Price, L. R.** (2017). A didactic investigation of a perfect fit in second-order confirmatory factor analysis: Exploratory structural equation modeling and Bayesian approaches. *S.M. Journal of Biometrics and Biostatistics*, 2(2) 1011, ISSN: 2573-5470.

Murphey, C., Carter, P., **Price, L. R.**, Champion, J. D., Nichols, F.N. (2017). Psychological distress in healthy low-risk first-time mothers during the Postpartum Period: An exploratory study. *Nursing Research and Practice*, November, article # 8415083

**Price, L. R.**, Vargas, R. J., Behroozmand, R., Parkinson, A. L., Larson, C. L., Greenlee, J. D., Robin, D. A. (2016). Dynamic connectivity mapping of electrocorticographic data using Bayesian structural equation modeling. *Biometrics and Biostatistics International Journal*, 4(4). DOI: 10.15406/bbij.2016.04.00102.

Bott, M., Karanevich, A.G., Garrard, L., **Price, L. R.**, Mudaranthakam, D. P., Gajewski, B. (2016). Confirmatory factor analysis alternative: Free, accessible C.B.I.D. software. *Western Journal of Nursing Research*, 1 – 13, DOI: 10.1177/0193945916681564.

Li, K., Laird, A. R., **Price, L. R.**, McKay, D. R., Blangero, J., Fox, P. T. (2016). Bidirectional age-related changes in default mode network effective connectivity across six decades. *Frontiers in Aging Neuroscience*, DOI:10.3389/fnagi.2016.00137.

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Marksberry, J., Kirsch, D., Nichols, F., **Price, L. R.** and Platoni, K. (2015). Efficacy of cranial electrotherapy stimulation for anxiety, PTSD, insomnia, and depression: Military service members and veterans self-reports. *Brain Stimulation: Basic, Translational, and Clinical Research*, 2, P311.

Kirsch, D. L., **Price, L. R.**, Nichols, F. N., Marksberry, J. A. and Platoni, K. T. (2015). Cranial electrotherapy stimulation: Treatment of pain and headache in the military population. *Practical Pain Management*, Vol. 15, 8, 57-65.

Komogortsev, O., Holland, C., Karpov, and **Price, L. R.** (2014). Biometrics via oculomotor plant characteristics: Impact of parameters in the oculomotor plant model. *ACM Transactions on Applied Perception*, Vol. 11, No. 4, Article 20.

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Kirsch, D. L., **Price, L. R.**, Nichols, F., Marksberry, J. A., & Platoni, K.Y. (2014). Military service members and veterans self-report the efficacy of cranial electrotherapy stimulation for anxiety, PTSD, insomnia, and depression. *The Army Medical Department Journal*.  
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Lloyd, L. K., Crixell, S. H., **Price, L. R.** (2014). Is the polar F6 heart rate monitor less accurate during aerobic bench stepping because of arm movements? *Journal of Strength and Conditioning Research*, July; 28(7): 1952-8.

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Lieneck, C., Morrison, E. & **Price, L. R.** (2013). Criterion-referenced exit examinations: An institution's internal process for psychometric analysis. *Current Issues in Education*, 16, 2.

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Lasser, J., Ryser, G., **Price, L.R.** (2010). Development of a lesbian, gay, and bisexual visibility management scale. *Journal of Homosexuality*, 57, 3, 415-428.

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- Haaland, K., **Price, L.R.**, and Larue, A. (2003). What does the WMS-III tell us about memory changes with normal aging? *Journal of the International Neuropsychological Society*, 9, 89-96.
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- Slater, C., Boone, M., & **Price, L.** (2002). A Cross-cultural Investigation of Leadership in the U.S. and Mexico. *School Leadership and Management*, 22, 2.
- Price, L.R.**, Lurie, A., & Wilkins, C. (2001). EQUIPERCENT: A SAS Program for Calculating Equivalent Scores Across Different Test Forms Using the Equipercentile Method. *Applied Psychological Measurement*, 25, 4.

Zhu, J., **Price, L.R.**, Tulskey, D., and Chen, Hsin-Yi. (2001). WAIS-III Reliability Data for Clinical Groups. *Journal of the International Neuropsychological Society*, 7, 862-866.

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**Price, L.R.** and Wilkins, C. (2001). Confirmatory Factor Analysis of a Test Used For Certification in Sports Scuba Diving. *Perceptual and Motor Skills*, 92, 869-880.

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Elliott-Lloyd, M. B., Dill, M. N., Johnson, B., Doyle, A., Bernardot, D., **Price, L. R.** Rupp, J. C., Brandon, J. and Thompson, W. R. (1999). Effect of an 18-week walking program on body composition in black and white sedentary females. *Medicine and Science in Sports in Exercise*. DOI: 10.1097/00005768-199905001-01740.

White-Welkley, J. L., Elliott-Lloyd, M. B., Schwartz, L., Thompson, W. R. Brandon, J., and, **Price, L. R.** (1999). Effect of an exercise intervention on physical activity habits in sedentary African American and white women. *Medicine and Science in Sports in Exercise*. DOI: 10.1097/00005768-199905001-01319

Elliott-Lloyd, M. B., Papadopoulos, C, Bernardot, D., Doyle, A., **Price, L. R.**, and Brandon, J. L. (1998). Relationships between B.M.I. and other body composition measures in African-American and Caucasian females, *Medicine and Science in Sports in Exercise*, 30. DOI: 10.1097/00005768-199805001-01352

White-Welkley, J. L., Higbe, J., Fried, A. L., Koenig, L. J., **Price, L. R.** (1998). Exercise patterns, injury incidence, eating habits, aerobic fitness and psychopathology among non-competitive females. *Medicine and Science in Sports in Exercise*, 30. DOI 10.1097/00005768-199805001-00670

#### **Technical Reports (published):**

Larry R. Price, Ph.D., PStat, The PEAR Institute, Harvard University  
Program in Education, Afterschool, and Resiliency  
Common Instrument Suite for Science Interest  
Standardization and Norms Development  
Technical Documentation/Report  
May 1, 2018

Larry R. Price, Ph.D., PStat, The PEAR Institute, Harvard University  
Program in Education, Afterschool, and Resiliency  
Holistic Student Assessment  
Standardization and Norms Development  
Technical Documentation/Report  
August 30, 2017

Larry R. Price, Ph.D., The B.A.I.R. Foundation  
12-Month Follow-up to a Retrospective Study of the Structured Intervention Treatment Foster  
Care Program.  
Technical Report  
March 15, 2014

Larry R. Price, Ph.D., The B.A.I.R. Foundation  
A Retrospective Study of the Structured Intervention Treatment Foster Care Program.  
Technical Report  
September 28, 2013

Larry R. Price, Ph.D., Electromedical Products International, Incorporated  
Alpha-Stim Patient Survey for Clinical Effectiveness of C.E.S. Therapy  
Technical Report  
January 1, 2012

Larry R. Price, Ph.D., Electromedical Products International, Incorporated  
United States Military Service Member and Veteran Survey Clinical Effectiveness of C.E.S.  
Therapy for the Treatment of Depression and Post-Traumatic Stress Disorder  
Technical Report  
December 1, 2013

Larry R. Price, Ph.D., The Institute for Motivational Living, Incorporated  
DISC Instrument Validation Study  
Technical Report  
February 1, 2006

### **Book Reviews:**

"The Theory and Practice of Item Response Theory" by Robert de Ayala (2016), Guilford  
Publishers, New York, NY.

"Confirmatory Factor Analysis for Applied Research" by Thomas Brown (2006), Guilford Publishers, New York, NY.

"Principles and Practice of Structural Equation Modeling, 2<sup>nd</sup> ed." by Rex B. Kline (2005), Guilford Publishers, New York, NY.

### **World-Wide Web Instructional Media:**

**Psychometric and Statistical Solutions** (2012) - World-wide Web site that includes over 100 psychometric and statistical programs for educators, professional statisticians, and psychometricians.

### **Instructional Video:**

**Price, L.** (1989). *Teaching Scuba Diving Water Skills Through Video*, National Association of Underwater Instructors: Montclair, CA., Author and Producer of Educational Videotape used for certification in sport scuba diving.

### **Papers Presented at Professional Meetings (refereed):**

**Price, L. R.** (July 2021). "A Bayesian Item Response Tree Model for Multiple Response Processes." Paper presentation at the International Meeting of the Psychometric Society, July 19 - 23, Virtual Conference.

Jones, K. D., Nelson-Baray, S, and **Price, L. R.** (April 2016). "Benchmark Testing: Uncovering the Inequitable Reality behind the Myth." Roundtable paper presentation in Division H at the American Educational Research Association Annual Meeting, April 12, Washington, D.C.

Yeatts, M. P., **Price, L. R.**, Ballard, K. J., Robin, D. A. Resting-State fMRI Data and Bayesian Network Diagnostic Capability. International Conference on Biomedical Engineering, October 5 – 8, 2015. Orlando, Florida.

**Price, L. R.** (October 2015). "Learning Dynamic Bayesian Networks from fMRI Time Series under Conditions of Chronic Pain and Opioid Addiction." Paper presentation at the Third Annual BayesiaLab Users Conference on Bayesian Networks, October 5 - 8, Washington, D.C.

**Price, L. R.** (April 2015). "Investigating Perfect Model Fit in Higher Order Confirmatory Factor Analysis through Exploratory/Confirmatory and Bayesian Approaches." Paper presentation at the American Educational Research Association Annual Meeting, April 16 – 20, Chicago, Illinois.

**Price, L. R.** (April 2014). "Nonrecursive Latent Variable Models under Misspecification." Paper presentation at the American Educational Research Association Annual Meeting, April 3 – 7, Philadelphia, Pennsylvania.

**Price, L. R.** (August 2013). "Investigating Perfect Model Fit in Higher Order Confirmatory Factor Analysis through Exploratory/Confirmatory and Bayesian Approaches." Paper presentation at the American Psychological Association Annual Meeting, August 3 – 6, Oahu, Hawaii.

Lieneck, C., **Price, L. R.**, Ryser, G. & Morrison, E. (March 2013). *Inherent success? Understanding personality and core competencies in healthcare administration undergraduate students*. Peer-reviewed presentation for the Association of University Programs in Health Administration Annual Meeting & Global Symposium, Minneapolis, Minnesota.

**Price, L. R.** (2012). "A Comparison of Bayesian and Two-Stage Least Squares Estimation under Conditions of Latent Variable Model Misspecification." Paper presentation at the International Meeting of The Psychometric Society, July 9 – 11, University of Nebraska, Lincoln, Nebraska.

Komogortsev, O. V., **Price, L.R.**, & A. Karpov (2012). "Biometric Authentication via Oculomotor Plant Characteristics." Paper presentation at the Fifth International Conference on Biometrics, March 29 – April 1, 2012, New Delhi, India.

Allen, D., **Price (S.A.), L.R.** & R. Reardon (2012). Science Magnet Middle Schools and Their Influence on Student Motivation and Achievement in Science. Annual American Educational Research Association Meeting, April 11 – 17, Vancouver, British Columbia.

Kirsch, D. L., **Price, L. R.**, Nichols, F., Marksberry, J. A., Platoni, K. (2012). "Efficacy of Cranial Electrotherapy Stimulation for Anxiety, P.T.S.D., Insomnia, and Depression: U.S. Military Service Members and Veterans Self-Reports." Poster presented at the Chinese Society of Psychiatry Annual Meeting: Co-sponsored by the Chinese Medical Association, Psychiatry Branch of the Chinese Medical Association, and the Nanjing Brain Hospital. October 18-21 in Nanjing, Jiangsu Province, China.

Battle, J., Vaughan, P., Delany, C., & **L.R. Price** (2011). Investigating the Transition Trends of English Language Learners to College and the Workforce. Paper presentation at the Literacy Research Association Annual Meeting, November 4 – 7, Jacksonville, Florida.

**Price, L. R.** (2010). "Small Sample Properties of Bayesian Multivariate Autoregressive Models." Paper presentation at the International Meeting of The Psychometric Society, July 7 – 9, Athens, GA.

Sailors, M., & **Price, L. R.** (2010). "Professional Development That Supports the Teaching of Cognitive Reading Strategy Instruction." Invited Symposium presentation at the Society for Research on Educational Effectiveness – Institute for Education Sciences, March 4 – 6, Washington, D.C.

**Price, L.R.** (2009). "Methodological Advances in Functional Neuroimaging: The State of the Science." Invited Symposium presentation at the American Psychological Association, August 6 – 9, Toronto, Canada.

**Price, L.R.** (2009). "A Bayesian Vector Autoregressive Model for Multivariate Time Series Data." Paper presentation at the Structural Equation Modeling Special Interest Group of the American Educational Research Association, April 16 – 20, San Diego, California.

**Price, L.R.** (2009). "Structural Equation Modeling in Functional Neuroimaging Studies: Challenges, Solutions, & New Directions." Invited presentation at the University of Kansas sponsored by the Department of Quantitative Psychology, January 30, Lawrence, Kansas.

**Price, L.R.,** Pelkey, M., & Reardon, R. (2009). "A Moderated-Mediated Path Analysis of Science Achievement." Paper presentation at Division H of the American Educational Research Association, April 16 – 20, San Diego, California.

**Price, L.** (2008). "Deriving Optimal Neuroimaging Models using Bayesian Model Averaging." Paper presentation at the International Meeting of The Psychometric Society, June 28 – 30, Durham, NH.

**Price, L.,** Laird, A., & Fox, P. T. (2007). "Neuroimaging Network Analysis Using Occam's Window." Paper presentation at the American Psychological Association, Division 5, August 17 – 20, San Francisco, CA.

**Price, L. R.** (2007). "Psychometric Evaluation of the DISC Personality Profile Assessment." Poster presentation at the American Psychological Association, Division 5, August 17 – 20, San Francisco, CA.

**Price, L.,** Laird, A., & Fox, P. T. (2007). "Modeling Dynamic Functioning Neuroimaging Data Using Structural Equation Modeling: A Monte Carlo Study." Paper presentation at the Structural Equation Modeling Special Interest Group of the American Educational Research Association, April 9 – 14, Chicago, Illinois.

Litchke (TX), L., Russian (TX), C., Lloyd (TX), L., Schmidt (TX), E., **Price, L.,** & Walker (TX), J. (2006). The Effects of Respiratory Resistance Training with a Concurrent Flow Device on Wheelchair Athletes, *Journal of Spinal Cord Medicine*.

Raju, N., **Price, L.,** & Oshima, T.C., & Nering, M. (2005). "Standardized conditional S.E.M.: A case for conditional reliability." Paper presentation at the American Educational Research Association, April 11 – 14, Montreal, Canada.

**Price, L.** (2004). "Effects of Financial Management Behaviors of Air Force Personnel." Poster presentation at the annual meeting of the American Psychological Association, Military Psychology Division, July 2004, Honolulu, Hawaii.

**Price, L.** (2004). "Conditional Standard Errors of Measurement for Composite Scores." Poster presentation at the annual meeting of the American Psychological Association, Measurement and Statistics Division, July 2004, Honolulu, Hawaii.

**Price, L.**, and Tulsky, D. (2004). "The Use of Confirmatory Factor Analysis to Validate Psychological Tests: Lessons Learned from the WAIS-III and WMS-III Project." Paper presentation at the Annual Meeting of the International Neurological Society, Baltimore, Maryland, February 2004.

**Price, L.** (2003). "Structural Equation Modeling: Foundations and Extensions." Invited lecture conducted for The Psychological Corporation, San Antonio, Texas, October 2003.

Plotts (TX), C., **Price, L.**, Scribner (TX), A., & Scholwinski (TX), E. (2003). "Predictors and Patterns of Performance on the N.S.P.E. in a Specialist-Level School Psychology Program." Paper presentation at the Annual Meeting of the National Association of School Psychology, Toronto, Canada, April 2003.

Tulsky, D., Chelune, G., & **Price, L.** (2003). "Development of a Delayed Memory Index For the Wechsler Memory Scale-III." Paper presented at the International Neurological Society Annual Meeting, Honolulu, Hawaii, February 2003.

**Price, L.** (2002). "Structural Equation Modeling: Past, Present, and Future." Invited lecture conducted for the University of Texas Health Science Center at San Antonio Functional M.R.I. Research Imaging Center, San Antonio, Texas, August 2002.

**Price, L.** (2002). "Structural Equation Modeling Using the Analysis of Moment Structures (AMOS 4.0) Program". Invited lecture conducted for The Psychological Corporation, San Antonio, Texas, August 2002.

Haaland, K. Y., **Price, L.**, & Larue, A. (2001). "Changes in Memory Scores on the WMS-III with Normal Aging." Paper presentation at the American Psychological Association Annual Meeting, San Francisco, California, August 2001.

Zhu, J, Tulsky, D., & **Price, L.** (2001). "Reliability and Conditional Standard Error of Measurement of the WISC-III with Selected Clinical Groups". Paper presentation at the Annual Meeting of the American Psychological Association, San Francisco, California, August, 2001.

Zhu, J., Chen, Hsin-Yi, Tulsky, D., & **Price, L.** (1999). "WISC-III Reliability Data for Special Clinical Groups". Paper presented at the Annual Meeting of the National Association of School Psychology, Las Vegas, 1999.

**Price, L.** (2000). "A Factor Analytic Study of the N.A.U.I. Scuba Diver Exam". Paper presentation at the 40th Anniversary Meeting of the National Association of Underwater Instructors, November 12, Houston, Texas.



**Price, L.R.**, Lewine, R. R. J., Walker, E., Brown, F. and Brummer, M. (1999). "Race, Neuropsychology, Brain & Schizophrenia: An Examination of Race Effects with Standardized Scores". Poster presentation at the International Congress on Schizophrenia Research, Santa Fe, New Mexico.

**Price, L.R.** (1999). "A Comparison of Differential Functioning of Items and Tests and the Mantel-Haenszel Technique for the Detection of Differential Item Functioning on a Test Used For Certification" Paper presentation at the American Alliance of Health, Physical Education, Recreation and Dance Annual Meeting, Boston, April 1999.

White-Welkley, J., Elliot-Lloyd, M.B., Schwartz, L., Thompson, W.R., Brandon, J. and **Price, L.R.** (1999). "Effect of Exercise Intervention on Physical Activity Habits in Sedentary African American and White Women." Poster Presentation at the American College of Sports Medicine National Conference, Seattle, Washington.

White-Welkley, J., Higbie, J.E., Fried, A., Koenig, L. and **Price, L.R.** (1998). "Exercise Patterns, Injury Incidence, Eating Habits, Aerobic Fitness and Psychopathology Among Non-Competitive Females." Paper Presentation at the American College of Sports Medicine National Conference, Orlando, Florida.

**Price, L.**, and Oshima, T.C. (1998). "Differential Item Functioning and Language Translation: A Cross-National Study with a Test Developed for Certification." Paper presentation at the American Educational Research Association, San Diego, California.

**Price, L.** (1995). "Exercise Behavior Change Through Curriculum Intervention in Physical Education" - Paper Presentation at The Georgia Association for Health, Physical Education, Recreation, and Dance Annual State Meeting, Jekyll Island, Georgia.

### **Invited Talks, Lectures, and Presentations:**

**Price, L. R.** (2015). "Psychometrics: Theory and Application" Hosted by The Johns Hopkins University School of Medicine, Department of Pediatrics. Baltimore, MD.

**Price, L.** (2012). "Small sample properties of Bayesian multivariate autoregressive models" Hosted by the University of Texas at Austin, April 25, 2012, Department of Educational Psychology.

**Price, L.** (2010). "Small sample properties of Bayesian multivariate autoregressive models" Hosted by Texas A & M University, October 29, 2010, Department of Educational Psychology.

**Price, L.** (2009). "Structural equation modeling in functional neuroimaging studies: Challenges, solutions, and new directions" Hosted by the University of Kansas, Department of Quantitative Psychology.

**Price, L.** (2006). "Ethical Issues for Students in Conducting Scholarly Research in Academia" (presentation at the O.R.I. Conference March 31, 2006)

Hosted by: The University of Texas at San Antonio/American Association of State Colleges and Universities/Office of Research Integrity - United States Department of Health & Human Services.

**Price, L.** (2002). "Structural Equation Modeling: Past, Present, and Future." Invited lecture conducted for The University of Texas Health Science Center at San Antonio, School of Medicine, Research Imaging Center, October 2003.

**Price, L.** (2003). "Structural Equation Modeling: Foundations and Extensions." Invited lecture conducted for The Psychological Corporation, San Antonio, Texas, October 2003.

**Price, L.** (2002). "Advanced Structural Equation Modeling Using the Analysis of Moment Structures (AMOS 4.0) and Linear Structural Equations Language (L.I.S.R.E.L.) Programs". Invited lecture conducted for The Psychological Corporation, San Antonio, Texas, August 2002.

### **Consultancies:**

**McLean Hospital, Harvard University, Boston, MA** – Psychometric Consultant for developing normative scores on the Program on Effectiveness in Afterschool Resiliency (PEAR) instrument, 2015 – 2017.

**California Department of Consumer Affairs (D.C.A.), Office of Professional Examination Services (OPES)** - Psychometric consultant for the evaluation of certification examinations developed by the National Certification Commission for Acupuncture and Oriental Medicine (N.C.C.A.O.M.). State of California, 2015, Sacramento, California.

**Electromedical Products International**, – Statistical Consultant, 2201 Garrett Morris Parkway, Mineral Wells, Texas, 2004 – 2022.

**Texas State Board of Pharmacy (T.S.B.P.)** – Psychometric consultant for developing and evaluating new testing standards for Texas, 2014, Austin, Texas.

**Texas Higher Education Coordinating Board (T.H.E.C.B.)** – Psychometric consultant for the Texas Success Initiative (T.S.I.), 2013.

**The Psychological Corporation/Pearson Assessment** – Psychometric consultant for developing and confirming the Wechsler Preschool and Primary Scale of Intelligence factor structure, fourth edition, 2012.

**Developmental Education Advisory Committee (D.E.A.C.)** – Texas Higher Education Coordinating Board. House Bill 1244, HB 3468, and SB 162 passed in the 82nd Legislature to address Developmental Education (D.E.) and the Texas Success Initiative (T.S.I.), including assessment, curricular, and evaluation components. Psychometric consultant for participation in the selection process of Texas Success Initiative (T.S.I.) placement test(s) and recommendation for determination of appropriate placement test(s) and single standard development of an evaluation instrument for the state of Texas, 2012 – 2013, Austin, Texas.

**Project on Educator Effectiveness Quality (P.E.E.Q.)** – Texas Education Agency and University of Texas at Austin. Psychometric consultant for the development of new value-added teacher evaluation instrument for the state of Texas, 2010 – 2013, Austin, Texas.

**The Bair Foundation** – research consultant for the investigation of the efficacy of the Structured Intervention Treatment Foster Care (S.T.I.F.C.) model implemented at the national level, 2011 – 2013.

**Texas State Board of Pharmacy (T.S.B.P.)** – Psychometric consultant for development and evaluation of new testing standards for the state of Texas, 2009 – 2011, Austin, Texas.

**Electromedical Products International (EPI)** – Research, Psychometric & Statistical Advisor, 2004–present.

**Brooke Army Medical Center (B.A.M.C.)** - Psychometric and statistical consultant/analyst for bio-defense research, statistical analysis of biomechanical traumatic injuries, and infectious disease acquired in war, 2006 to present.

**The Institute for Motivational Living, Inc.**, 2005 - 2015.

**The University of Texas Health Science Center, Neuroimaging Research Center**, San Antonio, Texas – Statistical consultant in structural equation modeling, 2002 – present.

**M.E.T.R.I.C.A., Inc.** - Psychometric and statistical consultant for psychological and behavioral test development, 2001- present.

**The Psychological Corporation/Pearson Assessment** – Psychometric and statistical consultant for intelligence, speech and language pathology, neuropsychological test development and validation, 1999 to 2015.

**The National Association of Underwater Instructors Worldwide** – Educational Measurement consultant related to the ongoing development and validation of traditional and alternative forms of cognitive and psychomotor assessment, 1995 to 2005.

**Intercultural Development Research Association**, San Antonio, Texas, Psychometric and Statistical consultant, 2005 – 2009.

### **Workshops:**

**Price, L. R.** (2021). *Psychometrics* taught at the U.C.L.A. Stats Camp ([www.statscamp.org](http://www.statscamp.org)) October 4 – 6, 2021, Los Angeles, CA.

**Price, L. R.** (2020). *Psychometrics* taught at the Stats Camp ([www.statscamp.org](http://www.statscamp.org)) February 6 – 8, 2020, in Atlanta, GA.

**Price, L. R.** (2019). *Psychometrics* taught at the Stats Camp ([www.statscamp.org](http://www.statscamp.org)) June 2 – 6, 2019, in Albuquerque, NM.

**Price, L. R.** (2018). *Psychometrics* taught at the Stats Camp ([www.statscamp.org](http://www.statscamp.org)) June 3 – 8, 2018, in Albuquerque, NM.

**Price, L. R.** (2017). *Optimal Survey Design* taught at the Stats Camp ([www.statscamp.org](http://www.statscamp.org)) September 14-16, 2017, Brea, CA.

**Price, L. R.** (2017). *Psychometrics* taught at the Stats Camp ([www.statscamp.org](http://www.statscamp.org)) June 5 – 9, 2017, Albuquerque, NM.

**Price, L. R.** (2017). *Optimal Survey Design* taught at the Stats Camp ([www.statscamp.org](http://www.statscamp.org)) January 5 – 7, 2017, Brea, CA.

**Price, L. R.** (2016). *Psychometrics* taught at the Stats Camp ([www.statscamp.org](http://www.statscamp.org)) June 6 – 10, 2016, in Albuquerque, NM.

**Price, L. R.** (2015). *Psychometrics* taught at the Stats Camp ([www.statscamp.org](http://www.statscamp.org)) course on June 1 – 5, 2016, Grapevine, TX.

**Price, L. R.** (2014). Interdisciplinary Initiative for Research Design & Analysis (I.I.R.D.A.) & the Office of Professional Development – Professional Development workshop on "Theory Construction & Model Building – Foundations," enrollment of 20 faculty from across the university, March 2014.

**Price, L.** (2014). Interdisciplinary Initiative for Research Design & Analysis (I.I.R.D.A.) & the Office of Professional Development – Professional Development workshop on "Theory Construction & Model Building – Analysis," enrollment of 20 faculty from across the university, May 2014.

**Price, L.** (2014). Interdisciplinary Initiative for Research Design & Analysis (I.I.R.D.A.) & the Office of Professional Development – Professional Development workshop on "Intensive Longitudinal Methods," enrollment of 20 faculty from across the university, September 2014.

**Price, L.** (2010). Texas State Testing, Research, & Evaluation Center (T.R.E.C.) – Professional Development workshop on Advanced Techniques of Structural Equation Modeling, enrollment of 15 faculty from across the university, May 2010.

**Price, L.** (2008-2009). Texas State Testing, Research, & Evaluation Center (T.R.E.C.) – study group on structural equation modeling – enrollment of 10 faculty from across the university.

**Price, L.** (2007). "Multilevel Statistical Modeling." Statewide workshop conducted on behalf of the Center for Research, Evaluation, Assessment in Teacher Education (CREATE) – Texas State University, April 23, 2007.

**Price, L.** (2007). "Introduction to Hierarchical Linear & Structural Equation Modeling." Workshop conducted on behalf of the Testing Research and Evaluation Center (T.R.E.C.) – Texas State University, November 2, 2007.

**Price, L.** (2004). "Theory and Application of Item Response Based Conditional Standard Errors of Measurement and Reliability." Invited psychometric workshop conducted for The Psychological Corporation, San Antonio, Texas, October 2003.

## **Grants and Contracts**

### **Funded External Grants and Contracts (sponsored):**

National Institutes of Health – "Disruption of the atrophy-based functional network in Multiple Sclerosis is associated with clinical disability: Validation of a Meta-Analytic model in resting-state functional M.R.I." (2019 – 2022). Chiang, Florence, (P.I.) and **Price, L. R.** University of Texas Health Science Center at San Antonio, Research Imaging Institute. Award amount: 1,500,000/3 years. Larry R. Price, Ph.D. **Biostatistician and Psychometrician.**

United States Department of Education, Institute of Education Sciences – "Exploring Writing Instruction Delivered by Teachers Providing Services to Students with Disabilities" (2018 - 2023). Stephen Ciullo, (P.I.) Principal Investigator & Alyson A. Collins, Ph.D. (P.I.) Co-Principle Investigator, Early Career Development and Mentoring competition (C.F.D.A.: 84.324A) – Funded – 1,495,000/5-years\* **Dr. Price, Texas State University, serves as a Senior Staff consultant to Drs. Ciullo and Collins on psychometric and statistical methodology.**

Harvard University McLean Hospital, Boston, MA (2018 – 2019). Development of normative scores for the Common Instrument, Program on Effectiveness in Afterschool Resiliency (PEAR). Larry R. Price, Ph.D. **Psychometrician.**

Harvard University McLean Hospital, Boston, MA (2015 – 2017). Development of normative scores for the Program on Effectiveness in Afterschool Resiliency (PEAR) instrument, 2015 – 2017. Larry R. Price, Ph.D. **Psychometrician.**

National Science Foundation CAREER Award – "Secure and Trustworthy Ocular Biometrics" (2013-2018) – 518,000/5-year project - Dr. Oleg Komogortsev – Texas State University – San Marcos, Texas - Principle Investigator. Dr. Price serves as **Senior Statistician.** He is responsible for developing and validating a statistical model that advances the security and sensitivity of person-specific identification specific to scanning the human ocular motor system.

California Department of Consumer Affairs (D.C.A.) Office of Professional Examination Services (OPES) (2015) – 15,000.00. - Evaluation of psychometric properties of certification examinations developed by the National Certification Commission for Acupuncture and Oriental Medicine (N.C.C.A.O.M.) for their adequacy for use by the State of California, 2015, Sacramento, California. Larry R. Price, Ph.D. **Psychometrician.**

Electromedical Products International, Inc. – Efficacy of Cranial Electrotherapy Stimulation (C.E.S.) for Treatment of Insomnia Disorder: A Polysomnography Study (2014-2015) – 120,000.00. Dr. Price served as (P.I.) **Principal Investigator.**

Electromedical Products International – Dr. Price provides ongoing annual psychometric and statistical services, 2004 – 2022.

National Institutes of Health (N.I.H.) – Byron Gajewski, Ph.D. (P.I.), **Principal Investigator**, Expediting Health Research via Bayesian Instrument Development (B.I.D.), 2013 -2015. Dr. Price was a key personnel (psychometric consultant) for developing a Bayesian structural equation modeling framework with Monte Carlo simulation for patient-reported outcome instruments.

National Aeronautics and Space Administration (NASA) – NASA STEM Education Constellation (2015 – 2019) – 15,000,000.00. Araceli Ortiz (P.I.) **Principal Investigator.** Dr. Price was instrumental in writing the proposal and now serves as an Advisory Board member for research activities associated with the grant.

National Institute on Standards – Biometric Identification via Oculomotor Plant Mathematical Model (2011-2014) – 532,920/3 year grant. Principal Investigators: Dr. Oleg Komogortsev, Principle Investigator. Dr. Larry R. Price, **Senior Statistician.**

National Science Foundation – Dynamic Geometry in Classrooms (2010-2014) – 2,090,495.00/4 year project - Dr. Zhinghong, Jiang – Texas State University, Principle Investigator. Dr. Price served as **Senior Psychometrician.**

National Science Foundation - Robert Noyce Scholarship Program for Science and Mathematics Teachers (2014-2019) – 1,000,000/5 year project - Dr. Ann Cavallo – University of Texas - Arlington – Arlington, Texas - Principal Investigator. Dr. Price serves on the **Senior Staff as Project Evaluator and Psychometric/Statistical Consultant.**

National Science Foundation - Robert Noyce Scholarship Program for Science and Mathematics Teachers (2009-2014) – 1,000,000/5-year project - Dr. Patricia Norman – Trinity University – San Antonio, Texas - Principal Investigator. Dr. Price serves on the **Senior Staff as Project Evaluator and Psychometric/Statistical Consultant.**

National Science Foundation - Robert Noyce Scholarship Program for Science and Mathematics Teachers (2008-2013) – 750,000/5 year project - Dr. Ann Cavallo – University of Texas – Arlington, Principle Investigator. Dr. Price serves on the **Senior Staff as Project Evaluator and Psychometric/Statistical Consultant.**

Texas State Board of Pharmacy (T.S.B.P.) (2014), 10,000.00. Psychometric Dr. Price served as consultant for development and evaluation of new testing standards for the state of Texas, Austin, Texas.

Mix It Up: Correlated Space Science and Math – 2008/2009 87,000 Teacher Quality grant funded by the Texas Higher Education Coordinating Board. **Co-Principle Investigator.**

Education Research Center (2007 – 2011) - 1-million/3-year grant funded by the Texas Higher Education Coordinating Board (T.H.E.C.B.) and the Texas Education Agency (T.E.A.). Dr. Price was **Project Co-Director** for Texas State University ERC-funded studies & **(Co-PI) with Dr. Pedro Reyes** at the University of Texas at Austin.

United States Department of Education, Institute of Educational Sciences (2005 – 2008). 1.3 million/3 year grant titled "Teaching Teachers to Teach Critical Reading Strategies (C.R.E.S.S.T.) through an Intensive Professional Development Model". **Senior Statistician.**

Texas - Science, Technology, Engineering, & Science (T-STEM)  
Southeast Regional T-STEM (SRT-STEM) Center (2007 – 2010).  
Three million/3-year grant funded by Texas Education Agency. **Project Psychometrician & Statistician.**

Science and Technology for English Language Learners Achieving Results (2006-2007)  
(STELLAR) STELLAR is a 2 –year, 500-thousand-dollar professional development project intended to enhance the science understandings, abilities, attitudes, and instructional practices of bilingual education teachers in Grades K-4 serving Spanish-language-background English language learners (E.L.L.s). Funded by the Texas Education Agency (T.E.A.). **Project Psychometrician & Statistician.**

State of Texas Juvenile Justice System (2003-2006). Texas State University – San Marcos (2003-present). Grant funding for the development and validation of a Risk Assessment Instrument for the purpose of prediction and appropriate placement of first-time juvenile offenders. **Project Psychometrician & Statistician.**

United States Air Force (2003-2004). **Psychometric and Statistical Consultant** to develop a model (Financial Assessment Tool) for predicting the financial indebtedness of early career airmen.

University of Texas Health Science Center at San Antonio Brain Behavior Research Imaging Center (2002-present). **Measurement and Statistical consultant** for the development of functional imaging (fMRI) models of brain behavior using structural equation modeling.

Wechsler Preschool and Primary Test of Intelligence (2002). **Project Psychometrician** and consultant for the development and implementation of the conditional standard error of measurement and reliability. The Psychological Corporation.

Clinical Evaluation of Language Fundamentals-IV (2002). **Psychometric consultant for defining the factor structure of the CELF-IV using exploratory and confirmatory factor analysis.** The Psychological Corporation.

Wechsler Individual Achievement Test II (2000-2001). The Psychological Corporation. **Psychometrician and Statistical Consultant.**

Lewine, R. R. J., and **Price, L.** (2001-2002). Work and Suicide Risk in Schizophrenia. One-year 60,000 grant to be funded by the National Institute of Mental Health and Emory University. **Project Psychometrician and Co-Author.**

Naglieri Nonverbal Ability Test (2001). The Psychological Corporation. **Lead Psychometrician and Statistical consultant.**

Brown Attention Deficit Disorder Scale (2001). The Psychological Corporation. **Project Psychometrician and Statistical Consultant.**

Beck Youth Scales (2001). The Psychological Corporation. **Project Psychometrician and Statistical Consultant.**

Academic Competence Evaluation Scales (2000). The Psychological Corporation. **Project Psychometrician and Statistical Consultant.**

Test of Basic Concepts (BOEHM-3) (2000). The Psychological Corporation. **Project Psychometrician.**

Kaplan Baycroft Neuropsychological Assessment Test (2000). The Psychological Corporation. **Lead Psychometrician and Statistical Consultant.**

Rothbaum, B. and **Price, L.R.** (1999-2001). "Virtual Reality Therapy Exposure for Anxiety Disorders." Two-year Small Business Technology Transfer Grant funded by the National Institute of Mental Health/National Institute of Health. **Project Biostatistician/Psychometrician.**

Parthasarathy, S., Welkley, J., Brewer, R., Santanam, N., and **Price, L.R.** (1999-2003). "A Unifying Perspective on the Influence of Diet, Exercise, Estrogens, and Smoking on Cardiovascular Disease." Four-year project grant funded by the National Institute of Health. **Project Biostatistician/Psychometrician.**

Lewine, R., Brown, F., Caudle, J. and **Price, L.R.** (1997-2000). "Race, Neuropsychology, Brain, & Schizophrenia." Three-year, 1-million dollar project grant funded by the National Institute of Mental Health. **Project Biostatistician/Psychometrician.**



Lewine, R., Brown, F., Murphy, A., Bonsall, R. and **Price, L.R.** (1998-2002). "Accelerated Aging in Late Onset Female Schizophrenics" Four-year grant funded by the National Institute of Mental Health. **Project Biostatistician.**

**Price, L.** (1997- present). Psychometric Scale/Test Construction, Item Analysis/Revision and Production of the International Standardized Examinations for Scuba Diving Instructor Certification. Contracted by the National Association of Underwater Instructors. **Project Author/Director/Psychometrician.**

#### **Funded Internal Grants and Contracts:**

Zhan, B., **Price, L. R. (Co-PI).** (2016-2018). Spatially Informed Strategies for Cancer Intervention. Texas State University Multidisciplinary Institutional Research Grant (M.I.R.G.) Award. Award amount: 25,000.00

Jensen, J., Schwartz, B., Schwinning, S. & **Price, L. R (Co-PI).** (2013-2015). Texas Trends: Towards Developing and Interdisciplinary, Sustained Research Network in Land Change Science at Texas State University. Texas State University Multidisciplinary Institutional Research Grant (M.I.R.G.) Award. Award amount: 25,000.00

Lloyd, L.K. & Price, L. (2002). The Use of Pedometers for Promoting Physical Activity and Weight Control. Texas State University-San Marcos. Award amount: 16,000

#### **Fellowships, Awards, Honors:**

Best Paper Award - IEEE/IAPR International Conference on Biometrics, 2012.

American Psychological Association, *Fellow*, Division 5 – Evaluation, Measurement, & Statistics. Awarded at the 2011 Annual Meeting, Washington, D.C.

E. F. Lindquist 2010 nomination – American Educational Research Association, Division D – Measurement & Research Methodology

University Level Runner-up Presidential Award in Research & Scholarly Activity (2009) – College of Education, Texas State University-San Marcos.

Presidential Distinction Award in Research & Scholarly Activity (2006) – College of Education, Texas State University.

Presidential Distinction in Research & Scholarly Activity (2005) – College of Education, Texas State University.

Presidential Distinction in Research & Scholarly Activity (2004) – College of Education, Texas State University.

Presidential Distinction in Research & Scholarly Activity (2003) – College of Education, Texas State University.

Presidential Distinction in Research & Scholarly Activity (2002) – College of Education, Texas State University.

Presidential Distinction in Research & Scholarly Activity (2001) – College of Education, Texas State University.

Outstanding Contribution to Scientific Diving (1987) - International award by the National Association of Underwater Instructors Worldwide.

## **SERVICE**

### **Institutional University:**

Search Committee Member for the Assistant Vice President for Research and Development, January – December 2022/2023. Appointed by the Assistant Vice President for Research and Federal Relations.

Search Committee Member for the Associate Vice President for Research and Federal Relations, January – December 2021/2022. Appointed by the Office of the Provost.

Director of Methodology, Measurement, & Statistical Analysis – university-wide appointment by the Office of the Provost for developing competitively funded interdisciplinary research proposals, 2017 – present.

Committee for the development of a survey on campus climate. Appointment by the Office of the President, Texas State University, November 2017 – present.

Academic Computing Committee (A.C.C.) – College of Education representative, Appointment by the Faculty Senate, 2016 - 2017.

Chair - College Research Enhancement Committee (C.R.E.C.) – College of Education, Appointment by the Faculty Senate, 2013 - present.

Piper Professor Selection Committee – College of Education representative (2011 – 2014).

Chair – Special Committee for Inquiry into Research Misconduct – Appointment by the Associate Vice President for Research, 2012 to present.

Director of Interdisciplinary Research Design and Analysis – university-wide appointment by the Office of the Provost for developing competitively funded interdisciplinary research proposals, 2012 – 2017.

Director of Faculty Research – university-wide appointment by the Office of the Provost for developing competitively funded interdisciplinary research proposals, 2010 – 2012.

Texas State University-San Marcos – Minnie Stevens Piper Professor Selection Committee – 2010 – present.

Texas State University-San Marcos – Research Enhancement Program (R.E.P.) – proposal review committee member, 2010.

Texas State University-San Marcos - Personalized Academic Career Exploration (PACE) Quality Enhancement Plan (Q.E.P.) – Assessment Team member, 2007 – 2010.

Texas State University – San Marcos Science, Technology, Engineering, and Mathematics Task Force, August 2006 – 2012.

Texas State University – San Marcos Interim Director of the Testing, Evaluation, and Assessment Center January 2006 to present.

Texas State University – San Marcos, Academic Governance Committee, 2005/2006.

Texas State University – San Marcos, Sponsored Programs Advisory Committee, 2002 - 2006.

Texas State University – San Marcos Tenure and Promotion College of Health Professions Review Group, October 2004 to present.

Texas State University-San Marcos Research Enhancement Grant Review Committee, College of Education representative member, September 2003 to present.

Doctoral Advisory Committee, Ph.D. Program in Education, College of Education – Texas State University, June 1, 2001, to present.

College of Education Assessment Committee – Texas State University, February 14, 2001-2002.

Sponsored Programs Advisory Council (S.P.A.C.) – Texas State University, College of Education Representative, appointed October 2001 to present.

Social Science Research Infrastructure Committee - Emory University 1998 -1999.

Freshman Advising and Mentoring at Emory University- Faculty Advisor 1997-1999.

Emory University School of Medicine (1996-present). Biostatistician/Psychometrician for Frank Brown, M.D. and Richard Lewine, Ph.D. in the Department of Psychiatry and Behavioral Sciences.

Emory University School of Medicine (1998/1999). Biostatistician for Sam Parthasarathy, Ph.D. in the Department of Obstetrics and Gynecology.

Indirect Network Computing Support Team representative (Department of Health & Physical Education) for the Emory Information Technology Division. HTML author of the Department of the Emory H.P.E.D. web page and expertise in the P.C. and Macintosh standard computing platforms.

Emory University - Committee for the Revision of the Kinesiology/Physical Education Curriculum, 1992/1993.

Emory University - Committee for the Evaluation of the Swimming Requirement for Graduation within Emory College, Department of Health and Physical Education, 1992.

Emory University (1989). Emergency Field Management of Diving Accidents - Conference Director.

Emory University (1988). Regional Southeastern Conference on Underwater Education - Conference Director.

Emory University (1987). Medicine in Sports Scuba Diving. Conference Director.

Emory University (1986). Diving Emergencies and Accident Management Educational Seminar - Conference Director.

### **Departmental:**

Consultant for quantitative research methodology (grant proposals and peer-reviewed publications) for CLAS faculty, 2001 - present.

Education Ph.D. Program Qualitative Research Curriculum Revision Committee – Spring 2010

Quantitative research design, psychometric, and statistical consultant for faculty conducting research in the College of Education - Educational Administration & Psychological Services, Curriculum & Instruction, Health & Physical Education, College of Science, College of Business, and College of Liberal Arts, 2001 - present.

### **Professional:**

Editorial Board – *Frontiers in Digital Health*, 2023 - present.

Editorial Board – *NeuroImage*, 2023 - present.

Editorial Board – *Journal of Experimental Education*, 2013 - present.

Editorial Board – *Journal of Biometrics & Biostatistics*, 2016 - present.

Editorial Board, Methodology Section – *International Journal of Behavior Development*, 2016 – 2022.

Consulting Editor – *Structural Equation Modeling: A Multidisciplinary Journal* – 2009 – present.

Consulting Editor – *Journal of Psychiatric Research* – 2022 – present.

Far Harbor LLC, Austin, Texas – Consulting Senior Statistician and Psychometrician, 2018 – present.

American Educational Research Association – Division D, Educational Measurement and Psychometrics, Reviewer for 6 Paper Presentations 2023, Annual Meeting, Chicago, IL.

American Educational Research Association – Structural Equation Modeling Special Interest Group Reviewer for 10 Paper Presentations 2023, Chicago, IL.

American Educational Research Association – Division D, Educational Measurement and Psychometrics, Reviewer for 6 Paper Presentations 2022, Annual Meeting, San Diego, CA.

American Educational Research Association – Structural Equation Modeling Special Interest Group Reviewer for 10 Paper Presentations 2020, San Francisco, CA.

American Educational Research Association – Division D, Educational Measurement and Psychometrics, Reviewer for 10 Paper Presentations 2020, Annual Meeting, San Francisco, CA.

American Educational Research Association – Structural Equation Modeling Special Interest Group Reviewer for 10 Paper Presentations 2018, Annual Meeting, New York, NY.

American Educational Research Association – Educational Statisticians Special Interest Group Reviewer for 10 Paper Presentations 2018, Annual Meeting, New York, NY.

American Educational Research Association – Division D, Psychometrics, Reviewer for 10 Paper Presentations 2018, Annual Meeting, New York, NY.

American Educational Research Association – Structural Equation Modeling Special Interest Group Reviewer for 10 Paper Presentations 2017, Annual Meeting, San Antonio, Texas.

American Educational Research Association – Educational Statisticians Special Interest Group Reviewer for 10 Paper Presentations 2017, Annual Meeting, San Antonio, Texas.

American Educational Research Association – Division D, Psychometrics, Reviewer for 10 Paper Presentations 2017, Annual Meeting, San Antonio, Texas.

Associate Editor – Quantitative Psychology and Measurement, section appearing in *Frontiers in Psychology* and *Frontiers in Applied Mathematics and Statistics*

American Educational Research Association – Structural Equation Modeling Special Interest Group Reviewer for Paper Presentations 2017, Annual Meeting, Washington, D.C.

American Educational Research Association Division D – Psychometrics and Educational Measurement, Reviewer for Paper Presentations 2017, Annual Meeting, Washington, D.C.

American Educational Research Association Division D – Statistical Methodology, Reviewer for Paper Presentations 2017, Annual Meeting, Washington, D.C.

American Educational Research Association – Structural Equation Modeling Special Interest Group Reviewer for Paper Presentations 2016, Annual Meeting, Washington, D.C.

American Educational Research Association Division D – Psychometrics and Educational Measurement, Reviewer for Paper Presentations 2016, Annual Meeting, Washington, D.C.

American Educational Research Association Division D – Statistical Methodology, Reviewer for Paper Presentations 2016, Annual Meeting, Washington, D.C.

American Educational Research Association – Structural Equation Modeling Special Interest Group Reviewer for Paper Presentations 2016, Annual Meeting, Washington, D.C.

National Institutes of Health (N.I.H.) – Scientific Review Group - Experimental Design and Statistical Methodology, Clinical Trials, Department of Veteran Affairs, May 2 - June 2, 2014.

American Educational Research Association – Structural Equation Modeling Special Interest Group Reviewer for Paper Presentations 2015, Annual Meeting, Chicago, Illinois.

American Educational Research Association Division D – Psychometrics and Educational Measurement, Reviewer for Paper Presentations 2015, Annual Meeting, Chicago, Illinois.

American Educational Research Association Division D – Statistical Methodology, Reviewer for Paper Presentations 2015, Annual Meeting, Chicago, Illinois.

American Educational Research Association – Structural Equation Modeling Special Interest Group Reviewer for Paper Presentations 2014, Annual Meeting, Philadelphia, Pennsylvania.

American Educational Research Association Division D – Psychometrics and Educational Measurement, Reviewer for Paper Presentations 2014, Annual Meeting, Philadelphia, Pennsylvania.

American Educational Research Association Division D – Statistical Methodology, Reviewer for Paper Presentations 2014, Annual Meeting, Philadelphia, Pennsylvania.

American Educational Research Association (2012 – 2014) – Early Career Award Selection Committee, Division D, Measurement and Statistical Methodology.

American Educational Research Association – Structural Equation Modeling Special Interest Group Reviewer for Paper Presentations 2013, Annual Meeting, San Francisco, California.

American Educational Research Association Division D – Psychometrics and Educational Measurement, Reviewer for Paper Presentations 2013, Annual Meeting, San Francisco, California.

American Educational Research Association Division D – Statistical Methodology, Reviewer for Paper Presentations 2013, Annual Meeting, San Francisco, California.

Editorial Board, *Journal of Experimental Education*, Routledge Publishers (2013 – present).

Guest Editor, Statistical Methods focus – *Journal of Nursing Research*, Spring, 2012.

Society for Research on Child Development – Section Chair, Scaling Methodology Paper Presentations Annual Meeting, February 4 – 8, 2012 Tampa, Florida.

American Educational Research Association – Division D Reviewer for Educational Measurement & Statistics, Structural Equation Modeling Special Interest Group, Paper Presentations 2012 Annual Meeting, New Vancouver, British Columbia.

Associate Editor – *The Journal of Statistics and Mathematics*, 2010 – present.  
American Educational Research Association – Advanced Study of National Databases Special Interest Group Session Chair for Paper Presentations 2011, Annual Meeting, New Orleans, Louisiana.

American Educational Research Association – Division D Graduate Student Paper Presentations/Symposium 2011, Annual Meeting, New Orleans, Louisiana.

American Educational Research Association – Advanced Study of National Databases Special Interest Group Reviewer for Paper Presentations 2011, Annual Meeting, New Orleans, Louisiana.

American Educational Research Association – Structural Equation Modeling Special Interest Group Reviewer for Paper Presentations 2010, Annual Meeting, Denver, Colorado.

American Educational Research Association – Advanced Studies of National Databases Special Interest Group Reviewer for Paper Presentations 2010, Annual Meeting, Denver, Colorado.

American Educational Research Association – Division D on Multivariate Statistical Methods Discussant for Paper Presentations 2009, Annual Meeting, San Diego, California.

American Educational Research Association – Structural Equation Modeling Special Interest Group Reviewer for Paper Presentations 2009, Annual Meeting, San Diego, California.

Ad-Hoc Reviewer for Journal of Educational & Behavioral Statistics - psychometrics and statistical methods, 2008 - present.

Ad-Hoc Reviewer for Structural Equation Modeling: A Multidisciplinary Journal - Research Methodology, psychometrics, and Statistical Methods, 2008 - present.

Editorial Board – Journal of College Reading and Learning Quantitative Methodology, 2005 - 2007.

Ad-Hoc Reviewer for The Journal of Clinical Child and Adolescent Psychology - Research Methodology, psychometrics, and Statistical Methods, 2002 - present.

Ad-Hoc Reviewer for The Journal of Spinal Cord Medicine - Research Methodology, psychometrics, and Statistical Methods, 2003 - present.

Ad-Hoc Reviewer for The Journal of the International Neuropsychological Society - research methodology, psychometrics, and statistical methods, 2003 - present.

Ad-Hoc Reviewer for The International Journal of Leadership in Education - research methodology, psychometrics, and statistical methods, 2002 - present.

The Psychological Corporation – Psychometric and statistical consultant for intelligence, speech and language pathology, neuropsychological test development and validation, 1999 to present.

The University of Texas Health Science Center, Neuroimaging Research Center, San Antonio, Texas – Statistical consultant in structural equation modeling of functional neuroimaging data.

Metrica, Inc. - Psychometric and statistical consultant for psychological and behavioral test development, 2001- 2005.

The National Association of Underwater Instructors Worldwide – Educational Measurement consultant related to the ongoing development and validation of traditional and alternative forms of cognitive and psychomotor assessment, 1997 to present.

National Association of Underwater Instructors Worldwide, Inc. - South Atlantic Regional Branch Manager - 1988 to 1995 - responsible for a five-state region and the Caribbean involving ethics, quality control, and Instructor and Leadership Training Course standards

American Educational Research Association – Structural Equation Modeling Special Interest Group Reviewer for Paper Presentations 2007 Annual Meeting, Chicago, Illinois.

American Educational Research Association – Educational Statisticians Special Interest Group Reviewer for Paper Presentations 2007 Annual Meeting, Chicago, Illinois.



American Educational Research Association – Division D Reviewer for Educational Measurement & Statistics Paper Presentations 2006 Annual Meeting, San Francisco, California.

American Educational Research Association – Division D Reviewer for Educational Measurement & Statistics Paper Presentations 2005 Annual Meeting, Montreal, Canada.

American Educational Research Association – Division D Discussant for Educational Measurement & Statistics (Factor Analysis) Paper Presentations 2005 Annual Meeting, Montreal, Canada.

American Educational Research Association – Division D Discussant for Educational Measurement & Statistics (Factor Analysis) Paper Presentations 2002 Annual Meeting, New Orleans, Louisiana.

American Educational Research Association – Division D proposal reviewer for Educational Measurement & Statistics Paper Presentations 2002 Annual Meeting, New Orleans, Louisiana.

American Educational Research Association – Division D proposal reviewer for Educational Measurement & Statistics Paper Presentations 2001 Annual Meeting, Seattle, Washington.

National Association of Underwater Instructors – Psychometrician for the Education Committee tasked with revising and constructing a pedagogically valid educational curriculum for international use 2000-2003.

American Educational Research Association – Division D proposal reviewer for Educational Measurement & Statistics Paper Presentations 2000 Annual Meeting, New Orleans, Louisiana.

American Educational Research Association – Division D Paper Session Chair and proposal reviewer for Item Response Theory Paper Presentations 1999 Annual Meeting, Montreal, Canada.

American Educational Research Association – Division D (Research Methodology) proposal reviewer for the 1999 Annual Meeting, Montreal, Canada.

National Association of Underwater Instructors - Committee for revising Instructor Training Course Standards, 1988 - 1995.

National Association of Underwater Instructors - Committee Chair for measuring and evaluating standardized national exams for scuba diving certification courses, 1994 - 1997.

Diving Accident Response Techniques - National Committee for Development of Course Standards - N.A.U.I. /The National Safety Council / American Red Cross - 1988 to 1995.

NOAA/Nitrox Surface Interval Oxygen & Decompression Table Validation Study (1991) Duke University and Florida State University - project research subject & assistant.

## **Organizations**

### **Professional:**

American Educational Research Association  
American Statistical Association  
American Association of University Professors  
American Mathematical Society  
American Psychological Association  
American Association of University Professors  
National Council on Measurement in Education  
National Association of Underwater Instructors  
Psychometric Society