

Deborah L. Bandalos, Ph.D.
 Professor
 Department of Graduate Psychology
 James Madison University
 Harrisonburg, VA 22801
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EDUCATION

Degree	Year	Area	Institution
Ph.D.	1991	Measurement & Statistics	University of Maryland
M.Ed.	1984	School Counseling/Statistics	University of Maryland
B.A.	1976	International Affairs	The American University

PROFESSIONAL WORK EXPERIENCE

2010-present	Professor and Director, Assessment and Measurement Doctoral Program, Department of Graduate Psychology, James Madison University, Harrisonburg, VA
2005-2010	Professor, Research, Evaluation, Measurement, and Statistics Program, Department of Educational Psychology, University of Georgia, Athens, GA
2004-2010	Director, Program in Research, Evaluation, Measurement, and Statistics, Department of Educational Psychology, University of Georgia, Athens, GA
2001-2005	Associate Professor, Research, Evaluation, Measurement, and Statistics Program, Department of Educational Psychology, University of Georgia, Athens, GA
1998-2001	Associate Professor and Program Leader, Qualitative and Quantitative Methods Program, Department of Educational Psychology, University of Nebraska, Lincoln, NE
1999-2001	Adjunct Associate Professor, Survey Research and Methodology Program, University of Nebraska, Lincoln, NE
1997-1998	Associate Professor, Qualitative and Quantitative Methods Program, Department of Educational Psychology, University of Nebraska, Lincoln, NE
1991-1997	Assistant Professor, Qualitative and Quantitative Methods Program, Department of Educational Psychology, University of Nebraska, Lincoln, NE
1995-1996	Gallup Research Professor

Publications

Books

Bandalos, D.L. (2018). *Measurement theory and applications for the social sciences*. New York: Guilford Publications.

Book Chapters

Leite, W., Bandalos, D.L. & Shen, Z. (in preparation). Simulation Methods in Structural Equation Modeling. In R.H. Hoyle, (Ed.), *Handbook of Structural Equation Modeling, 2nd Edition*. New York: Guilford Publications.

Bandalos, D.L., & Finney, S.J. (2018). Exploratory and confirmatory factor analysis. In G.R. Hancock and R.O. Mueller, (Eds.). *Quantitative Methods in the Social and Behavioral Sciences: A Guide for Researchers and Reviewers, 2nd edition*. New York, Routledge.

Bandalos, D.L., & Gerstner, J.J. (2016). Using factor analysis in test construction. In K. Schweizer & C. DiStefano (Eds.). *Principles and methods of test construction: Standards and recent advancements*. Boston, MA: Hogrefe Publishers.

Bandalos, D.L. & Raczynski, K.A. (2015). Capturing family-school partnership constructs over time: Creating developmental measurement models. In S.M. Sheridan & E.M. Kim (Eds.), pp.77-103. *Research on family-school partnerships: An interdisciplinary examination of state of the science and critical needs*. New York, NY: Springer.

Bandalos, D. L., & Leite, W. (2013). The role of simulation in structural equation modeling. In G.R. Hancock & R. Mueller (Eds.), *A Second Course in Structural Equation Modeling, 2nd Edition*. Greenwich, CT: Information Age Publishing.

Bandalos, D.L. & Gagne, P. (2012). Simulation Methods in Structural Equation Modeling. In R.H. Hoyle, (Ed.), *Handbook of Structural Equation Modeling*. New York: Guilford Publications.

Bandalos, D.L., Davis, S., Ferster, A., & Samuelsen, K. (2011). Validation of High-Stakes Testing and Accountability Systems. In K. Geissinger and J. Boivard, (Eds.), *Contemporary Issues in High Stakes Testing*. Washington, DC: American Psychological Association.

Bandalos, D.L., & Finney, S.J. (2010). Exploratory and confirmatory factor analysis. In G.R. Hancock and R.O. Mueller, (Eds.). *Quantitative Methods in the Social and Behavioral Sciences: A Guide for Researchers and Reviewers*. New York, Routledge.

Bandalos, D.L. & Boehm, M.R. (2008). Common misconceptions in exploratory factor analysis. In C. E. Lance and R. J. Vandenberg, (Eds.) *Statistical and Methodological*

Myths and Urban Legends: Where Pray Tell Did They Get This Idea? (pp. 63-88).
New York: Routledge.

Bandalos, D. L. (2005). The role of simulation in structural equation modeling. In G.R. Hancock and R. Mueller (Eds.), *A Second Course in Structural Equation Modeling*. Greenwich, CT: Information Age Publishing.

Bandalos, D.L. & Finney, S.J. (2001). Item parceling issues in structural equation modeling. In G. A. Marcoulides and Schumacker, R.E. (Eds.), *New Developments and Techniques in Structural Equation Modeling* (chap. 10, 269-296), Hillsdale, N.J.: Lawrence Erlbaum Associates.

Bandalos, D.L. (1996). Confirmatory factor analysis. In J. Stevens, *Applied Multivariate Statistics for the Behavioral Sciences*, (2nd and 3rd Editions), pp. 362-427. Hillsdale, N.J.: Lawrence Erlbaum Associates.

Benson, J, & Bandalos, D.L. (1989). Structural model of statistical test anxiety in adults. In H. Van der Ploeg & R. Schwarzer (Eds.), *Advances in Test Anxiety Research*, vol.6, pp. 611-624. Lisse/Hillsdale: Swets & Zeitlinger/Erlbaum.

Articles in Refereed Journals

Student co-authors are indicated in boldface.

Note: All publications listed in this section were peer-reviewed

Lúcio, P. S., Lourenço, F. C., Cog-Moreira, H., Bandalos, D. L. Ferriera de Carvalho, C. A., Batista Kida, A., de Ávial, C. R. (2021). Reading comprehension tests for children: Test equating and specific age-interval reports. *Frontiers in Psychology*.
<https://doi.org/10.3389/fpsyg.2021.662192>

Bandalos, D. L. (in press). Item meaning and order as causes of correlated residuals in confirmatory factor analysis. *Structural Equation Modeling: An Interdisciplinary Journal*.

Spratto, E. M., Leventhal, B. C., & Bandalos, D. L. (2021). Seeing the forest and the trees: Comparison of two IRTree models to investigate the impact of full versus endpoint-only response option labeling. *Educational and Psychological Measurement*, 81(1), 39-60. <https://doi.org/10.1177/001316442091865510.1177/2515245918808784>

Spratto, E. M., & Bandalos, D. L. (2019). Attitudinal survey characteristics impacting participant responses. *The Journal of Experimental Education*, 88(4), 620-642.
<https://doi.org/10.1080/00220973.2019.1566200>

Ong, T. Q., Bandalos, D. L., & Swearer, S. (2020). The Spiritual Values/Religion Subscale of the Self-Description Questionnaire III: Testing measurement invariance across

heterosexual and non-heterosexual young adults. *Journal of Homosexuality*, 67(10), 1367-1385. <https://doi.org/10.1080/00918369.2019.1591785>

- Orpinas, P. **Raczynski, K.A., Peters, J. W., Coleman, L.T.,** & Bandalos, D.L. (2015). Latent profile analysis of sixth graders based on teacher ratings: Association with school dropout. *School Psychology Quarterly*, 30, 577-592.
- Bandalos, D.L. (2014). Relative performance of categorical diagonally weighted least squares and robust maximum likelihood estimation. *Structural Equation Modeling: A Multidisciplinary Journal*, 21, 102-116.
- Bandalos, D.L. & **Kopp, J.P.** (2012). Teaching Introductory Measurement: Suggestions for What to Include and How to Motivate Students. *Educational Measurement: Issues and Practice*, 31(2).
- Garcia-Barrera, M. A.,** Kamphaus, R. W., & Bandalos, D. (2011). Theoretical and Statistical Derivation of a Screener for the Behavioral Assessment of Executive Functions in Children. *Psychological Assessment*, 23, 64-79. DOI: 10.1037/a0021097
- Cho, S.J., Li, F.,** & Bandalos, D.L. (2009). Accuracy of the parallel analysis procedure in exploratory factor analysis of polychoric correlations. *Educational and Psychological Measurement*, 69(5), 748-759 .
- Gregg, N., Bandalos, D., **Coleman, C.,** Davis, M., Robinson, K., & **Blake, J.** (2008). The validity of a battery of phonemic and orthographic awareness tasks for adults with and without Dyslexia and Attention Deficit/Hyperactivity Disorder. *Remedial and Special Education*, 29, 175-190.
- Bowden, S., Gregg, N., Bandalos, D., Davis, M., **Coleman, C.,** Holdnack, J. & Weiss, L. (2008). Latent means and covariance differences with measurement equivalence in college students with developmental difficulties versus the WAIS-III/WMS-III normative sample. *Educational and Psychological Measurement*, 68, 4, 621-642.
- Bandalos, D.L. (2008). Is parceling really necessary? A comparison of results from item parceling and categorical variable methodology. *Structural Equation Modeling*, 15(2), 211-240.
- Kim, K.H.,** Cramond, B., & Bandalos, D.L. (2006). The latent structure of scores on the Torrance Tests of Creativity-Figural. *Educational and Psychological Measurement*, 66(3), 459-477.
- Cramond, B., Matthews-Morgan, J., Bandalos D.L., & Zuo, L. (2005). The Torrance Tests of Creative Thinking: Alive and well in 2004. *Gifted Child Quarterly*. 49(4), 283-291.
- Bandalos, D. L. (2004). Introduction to the special issue on Nebraska's alternative approach to statewide assessment. *Educational Measurement: Issues and Practice*, 23(2).

- Bandalos, D.L. (2004). Can a teacher-led state assessment system work? *Educational Measurement: Issues and Practice*, 23(2).
- Lukin, L.E., Bandalos, D.L., **Eckhout, T.J.**, & Mickelson, K. (2004). Facilitating the development of assessment literacy. *Educational Measurement: Issues and Practice*, 23(2).
- Naumann, W.C.**, Bandalos, D.L., Gutkin, T.B. (2003). Identifying variables that predict college success for first-generation college students. *Journal of College Admission*, 181, 4-10.
- Bandalos, D.L., **Finney, S.J.**, & **Geske, J.A.** (2003). A model of statistics performance based on achievement goal theory. *Journal of Educational Psychology*, 95(3), 604-616.
- Bandalos, D.L. (2002). Review of *Structural Equation Modeling: Foundations and Extensions*, by D. Kaplan. *Journal of Educational Measurement*, 39(2), 183-186.
- Hanson, W. E., Curry, K. T., & Bandalos, D. L. (2002). Reliability generalization of Working Alliance Inventory scale scores. *Educational and Psychological Measurement*, 62(4), 659-673.
- Bandalos, D.L. (2002). The effects of item parceling on goodness-of-fit and parameter estimate bias in structural equation modeling. *Structural Equation Modeling: A Multidisciplinary Journal*, 9(1), 78-102.
- Enders, C.K.** & Bandalos, D.L. (2001). The relative performance of full information maximum likelihood estimation for missing data in structural equation models. *Structural Equation Modeling: A Multidisciplinary Journal*, 8(3), 430-457.
- McWhirter, E.H., Hackett, G., & Bandalos, D.L. (1998) A causal model of the educational plans and career expectations of Mexican American High School Girls. *Journal of Counseling Psychology*, 45(2), 166-181.
- Hutchinson, S.R. & Bandalos, D.L. (1997). A guide to Monte Carlo simulations for applied researchers. *Journal of Vocational Education Research*, 22(4), 233-245.
- Bandalos, D.L. (1997). Assessing sources of error in structural equation models: effects of sample size, loading size, and model misspecification. *Structural Equation Modeling: A Multidisciplinary Journal*, 4(3), 177-192.
- Bandalos, D.L. & **Enders, C.K.** (1996). The effects of nonnormality and number of response categories on reliability. *Applied Measurement in Education*, 9(2), 151-160.
- Bandalos, D.L., **Yates, K.**, & **Thorndike-Christ, T.** (1995). The effects of math-self-concept, perceived self-efficacy, and attributions for success and failure on test anxiety.

Journal of Educational Psychology, 87(4), 611-624.

Weissinger, E. & Bandalos, D.L. (1995). The development, reliability, and validity of a scale to measure intrinsic motivation in leisure. *Journal of Leisure Research*, 27(4), 379-400.

Benson, J., Bandalos, D.L., & Hutchinson, S. (1994). Modeling test anxiety for males and females. *Stress, Anxiety, and Coping*, 7, 131-148.

Bandalos, D.L. (1993). Factors influencing the cross-validation of confirmatory factor analysis models. *Multivariate Behavioral Research*, 28(3), 351-374.

Weissinger, E., Caldwell, L.L., & Bandalos, D.L. (1992). Relation between intrinsic motivation and boredom in leisure time. *Leisure Sciences*, 14, 315-323.

Benson, J. & Bandalos, D.L. (1992). Second-order confirmatory factor analysis of the Reactions to Tests scale with cross-validation. *Multivariate Behavioral Research*, 27(3), 459-487.

Bandalos, D.L. & Benson, J. (1990). A test of the factor structure invariance of the Computer Attitude Scale over grouping conditions. *Educational and Psychological Measurement*, 51, 49-60.

Bandalos, D.L. & Sedlacek, W.E. (1989). Predicting success of pharmacy school students using traditional and non-traditional measures by race. *American Journal of Pharmaceutical Education*, 53, 145-148.

Encyclopedia Entries

Bandalos, D.L. (2010). On the Theory of Scales of Measurement (Stevens) [Science, 103, 677-80]. In N.J. Salkind (Ed.) *Encyclopedia of Research Design*: Thousand Oaks, CA: Sage Publishers.

Workshops and Training Sessions

Bandalos, D.L. (2021, May). Scale Construction and Development. Invited workshop for Statistics Horizons. Online workshop.

Bandalos, D. L. (2021, January). Item Writing 101: Research-Based Recommendations. Invited workshop for the Center for Integrated Latent Variable Research (CILVR) Workshop Series. University of Maryland Center for Integrated Latent Variable Research (CIVLR), College Park. Online workshop.

Bandalos, D.L., & Spratto, E.M. (2020, February). Developing non-cognitive scales: Research-based recommendations. Center for Faculty Innovation, James Madison University.

- Bandalos, D.L. (June, 2019). Scale Development and Evaluation. Invited workshop for Portland State University Workshop Series. Portland, OR.
- Bandalos, D.L., & Spratto, E.M. (2019, May). Developing non-cognitive scales: Research-Based recommendations. Invited workshop for the Association for Psychological Sciences, Washington, D.C.
- Spratto, E.M., & Bandalos, D.L. (2018, January). Item construction workshop. Training session presented at the January Symposium, James Madison University.
- Pyburn, E., & Bandalos, D.L. (2016, October). Item construction workshop. Training session presented at the Northeastern Educational Research Association, Strumbull, CT.
- Bandalos, D.L. (June, 2014). Introduction to structural equation modeling. Training session presented at the University of Georgia, Athens, GA.
- Bandalos, D.L., & Gerstner, J.J. (2013, October). Structural Equation Modeling Methods for Assessing Measurement Invariance. Workshop presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- Bandalos, D.L. (June, 2013). Introduction to structural equation modeling. Training session presented at the University of Georgia, Athens, GA.
- Bandalos, D.L. (May, 2012). Introduction to structural equation modeling. Training session presented at the University of Georgia, Athens, GA.
- Bandalos, D.L. (May, 2011). Introduction to structural equation modeling. Training session presented at the University of Georgia, Athens, GA.
- Bandalos, D.L., Pastor, D.A., & Koepfler, J.R. (January, 2012). Development of measurement instruments for police psychologists. Workshop presented for the Singapore Police Department, Singapore.
- Bandalos, D.L. (May, 2010). Introduction to structural equation modeling. Training session presented at the University of Georgia, Athens, GA.
- Bandalos, D.L. (May, 2007). Better living through structural equation modeling. National Foundation for Educational Research, Windsor, England.
- Bandalos, D.L. (May, 2007). Using structural equation modeling. National Foundation for Educational Research, Windsor, England.
- Bandalos, D.L. (April, 2007). Organizer, workshop on Common Methodological Errors in Multivariate Statistics. American Educational Research Association, Chicago, IL.

Bandalos, D.L. & Boehm, M.R. (April, 2007). Common Methodological Errors in Exploratory Factor Analysis. American Educational Research Association, Chicago, IL.

Bandalos, D.L. & Ferster, A. (April, 2007). Teaching Educational Measurement. National Council on Measurement in Education, Chicago, IL.

Bandalos, D.L. & Ferster, A. (April, 2006). Teaching Educational Measurement. National Council on Measurement in Education, San Francisco, CA.

Bandalos, D.L. (April, 2006). Use of Simulation Studies in SEM Research. American Educational Research Association, San Francisco, CA.

Presentations

Bandalos, D.L., Jones, P., Mittapalli, K., Rubright, J., Verges, V., & Leventhal, B. (2021, June). Debating the Training of Future Measurement Professionals. Panel presentation at the annual meeting of the National Council on Measurement in Education. Virtual presentation.

Bandalos, D.L., Coleman, C., & Henderek, J. G. (2019, October). Causes of CFA correlated residuals and what you can do about them. Presidential address at the annual meeting of the Society for Multivariate Experimental Psychology, Baltimore, MD.

Bandalos, D.L., Ames, A. J., & Spratto, E.M. (2019, April). Effects of category labeling on response choice: An IRTree analysis. Paper presented at the annual meeting of the National Council on Measurement in Education, Toronto, Ontario, CA.

Bandalos, D.L. (2018, March). What causes correlated residuals in CFA? Invited address to the Quantitative Methods Program, University of Maryland, College Park, MD.

Bandalos, D.L., Hedeker, D., Ames, A. (2017, July). A mixed-effects location-scale model for negatively-keyed items. Paper presented at the International Meeting of the Psychometric Society, Zurich, Switzerland.

Bandalos, D.L. (2017, April). Correlated residuals in CFA: What's up? Keynote address to the Structural Equation Modeling Special Interest Group, American Educational Research Association, San Antonio, TX.

Bandalos, D.L., & Pyburn, E. (2017, April). Using think-aloud protocols to investigate item wording effects. Paper presented at the annual meeting of the American Educational Research Association, San Antonio, TX.

Bandalos, D.L. (2017, January). Creating affective scales: What does the research say? Invited address to the Department of Psychology, York University, Toronto, Canada.

- Pyburn, E., & Bandalos D.L. (2016, October). Item wording matters: How three attitudinal item characteristics affect item intercepts, loadings, and response times. Poster presented at the annual meeting of the Society for Multivariate Experimental Psychology, Richmond, VA.
- Pyburn, E., and Bandalos, D.L. (2016, July). Change your attitude! Attitudinal survey characteristics impacting participant responses. Poster presented at the annual meeting of the Psychometric Society, Asheville, NC.
- Bandalos, D.L., Finch, H., & French, B. (2015, April). Tomorrow's methodologist: Defining and demystifying simulation studies. Division D Fireside Chat at the annual meeting of the American Educational Research Association, Chicago, IL.
- Pinder, K.E., & Bandalos, D.L. (2015, April). The effects of categorical data on correlated error terms and subsequent effects on coefficient alpha. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Pinder, K.E., & Bandalos, D.L. (2014, October). The effects of categorization on coefficient alpha. Paper presented at the annual meeting of the Northeast Educational Research Association, Trumbull, CT.
- Gerstner, J.J., & Bandalos, D.L. (2014, April). Using factor mixture models to identify response styles associated with negatively keyed items. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
- Bandalos, D.L., & Lazowski, R. (2013, August). When to use (or not to use) latent variable models. Paper presented at the annual meeting of the American Psychological Association, Honolulu, HI.
- Bandalos, D. L., & Kopp, J. P. (2013, May). Using the bifactor model in scale construction. Paper presented at the annual meeting of the Association for Psychological Science, Washington, D. C.
- Fisher, R. C., Gerstner, J. J., & Bandalos, D. L. (2013, May). A review and analysis of scale development procedures in psychology and education. Poster presented at the annual conference of the Association for Psychological Science, Washington D.C.
- Gerstner, J. J., & Bandalos, D. L. (2013, May). An evaluation of the use of exploratory factor analysis in scale development. Poster presented at the annual meeting of the Association for Psychological Science, Washington, D.C.
- Bandalos, D.L. (October, 2012). The company you keep: The effects of serial order on correlated residuals. Paper presented at the annual meeting of the Society for Multivariate Experimental Psychology, Vancouver, BC.

- Bandalos, D.L., Schmidt, A., Casabianca, J., Shrout, P., Little, T., & Patelis, T. (August, 2012). Academic versus private sector careers – The Pros and Cons. Discussion panel at the annual meeting of the American Psychological Association, Orlando, FL.
- Bandalos, D.L., Jurich, D.P., & Koepfler, J.R. (April, 2012). Use of ad hoc fit indexes with diagonally weighted least squares estimation. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, BC, Canada.
- Bandalos, D.L., & Kopp, J. P. (April, 2012). Teaching introductory measurement. Paper presented as part of the symposium “Recruitment and Training of Measurement Professionals,” National Council on Measurement in Education, Vancouver, BC, Canada.
- Coleman, C., & Bandalos, D.L. (October, 2011). A (cautionary) tale of two testing sessions: Administration effects in educational research. Paper presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT
- Coleman, C., & Bandalos, D. L., (April, 2011). Measuring method effects associated with negative wording. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Bandalos, D. L. (April, 2011). A general framework for assessing differential item functioning using factor mixture models. American Educational Research Association, San Diego, CA.
- Choi, Y.J., Cohen, A.S., & Bandalos, D.L. (2010). Structural modeling of TIMSS 2007 mathematics test data. Paper presented at the 7th Annual Conference of the International Test Commission, Shatin, Hong Kong.
- Bandalos, D.L. (November, 2009). Detecting and diagnosing model misfit. Invited presentation to the Center for the Advancement of Research Methods and Analysis (CARMA), Virginia Commonwealth University, Richmond, VA.
- Bandalos, D.L. & Templin, J. (October, 2009). A tale of two estimators. Society of Multivariate Experimental Psychology, Kalishan, OR.
- Bandalos, D.L. (April, 2009). A comparison of fit Index behavior and parameter estimate bias for ML, MLMV, WLSMV, and WLS estimators. American Educational Research Association, San Diego, CA.
- Orpinas, P., Bandalos, D., Raczynski, K. A., Reeves, P. M., & Horne, A. M. (March, 2009). Longitudinal changes in the trajectories of physical and relational aggression. Society for Advancement of Violence and Injury Research National Meeting, Atlanta, GA.
- Gregg, N., Bowden, S., Bandalos, D., Coleman, C., & Nelson, J. (July, 2008). Testing neuropsychological models across populations: The advantages of examining

measurement equivalence. International Congress of Psychology; Berlin, Germany.

- Simeon, R.A., Orpinas, P., Raczynski, K., Reeves, P.M., & Bandalos, D. (2008). Healthy Teens—Can 6th grade characteristics predict dating and dating violence in 9th grade? Poster presentation at the 136th Annual Meeting of the American Public Health Association. Washington, DC: October 25-29, 2008.
- Kim, I., Cohen, A.S., & Bandalos, D.L. (July, 2007). A comparison of Bayesian and maximum likelihood algorithms for estimation of a multilevel IRT model. Psychometric Society, Tokyo, Japan.
- Orpinas, P., Raczynski, K., Bandalos, D., & Reeves, P. M. (September, 2007). The Healthy Teens Project: A longitudinal study of Georgia youth. Georgia Public Health Association. Savannah, GA.
- Cho, S.J., Li, F., & Bandalos, D.L. (April, 2006). Accuracy of the parallel analysis procedure in exploratory factor analysis of polychoric correlations. National Council on Measurement in Education, San Francisco, CA.
- Bandalos, D.L. & Cohen, A.S. (April, 2006). Using factor mixture models to identify differentially functioning test items. American Educational Research Association, San Francisco, CA.
- Bandalos, D.L. & Gregg, K.N. (April, 2006). Woodcock-Johnson III and the adult population with and without learning disabilities: Inferences for decision-making. National Council for Measurement in Education, San Francisco, CA.
- Gregg, K.N., Bandalos, D.L., Davis, M., & Bowden, S. (July, 2005). WAIS III and WMS III measurement invariance across clinical populations. European Congress of Psychology, Grenada, Spain.
- Bandalos, D.L. & Webb, M.-Y. (April, 2005). Efficacy of the WLSMV Estimator for Coarsely Categorized and Nonnormally Distributed Data. American Educational Research Association, Montréal, Canada.
- Wu, S.-S. & Bandalos, D.L. (April, 2005). The impact of poorly translated items on measurement invariance: A cross-cultural study using mean and covariance structure (MACS). American Educational Research Association, Montréal, Canada.
- Bandalos, D.L. (October, 2004). Construct validity and equity. International Test Commission, Williamsburg, VA.
- Kim, K.H., Cramond, B., & Bandalos, D.L. (August, 2004). Latent structure of the Torrance Tests of Creative-Thinking-Figural. American Psychological Association, Honolulu, HI.
- Bandalos, D.L. (2003). Identifying model misspecification in SEM analyses: Does item

- parceling help or hinder? American Educational Research Association, Chicago, IL.
- Lukin, L.E., Bandalos, D.L., Eckhout, T. & Mickelson, K. (2003). Facilitating the Development of Assessment Literacy. American Educational Research Association, Chicago, IL.
- Bandalos, D.L. (April, 2002). Opportunities for applied educational research using structural equation modeling. Invited presentation to Division D Graduate Student Seminar, American Educational Research Association, New Orleans, LA.
- Yong, S.Y., Swearer, S.M., Haye, K.M., & Bandalos, D.L. (August, 2001). Development of a comprehensive survey for bullying and victimization: Psychometric analysis. American Psychological Association, San Francisco, CA.
- Bandalos, D.L. & Roschewski, P. (April, 2001). The impact of a teacher-led, standards-based assessment program on teachers' classroom practice and perceptions of assessment results. American Educational Research Association, Seattle, WA.
- Geske, J.A. & Bandalos, D.L. (April, 2001). Using instructor-sanctioned crib sheets to understand students' knowledge structures in introductory statistics. American Educational Research Association, Seattle, WA.
- Geske, J.A., Mickelson, W.T., Bandalos, D.L., & Smith, R.W. (2000). Predicting acquisition of learning outcomes: A comparison of traditional and activity-based instruction in an introductory statistics course. American Educational Research Association, New Orleans, LA.
- Bandalos, D.L. (April, 1999). The effects of item parceling in structural equation modeling. American Educational Research Association, Montreal, Canada.
- Enders, C.K. & Bandalos, D.L. (April, 1999). The relative efficacy of full information maximum likelihood estimation for missing data in structural equation models. American Educational Research Association, Montreal, Canada.
- Bandalos, D.L., Finney, S.J., & Geske, J.A. (April, 1999). Modeling statistics achievement: The influences of metacognitive awareness, effort, test anxiety, and academic goal orientation. American Educational Research Association, Montreal, Canada.
- Naumann, W.C., Gutkin, T.B., & Bandalos, D.L. (August, 1999). Enhancing prediction of first-semester college GPA using self-regulated learning variables. American Psychological Society.
- Bandalos, D.L. (July, 1998). An investigation of the cognitive processing model of test anxiety using latent growth curve modeling. International Society for Stress and Anxiety Research, Istanbul, Turkey.

- Bandalos, D.L. & Enders, C.K. (April, 1996). The effects of heterogeneous item distributions in confirmatory factor analysis. American Educational Research Association, New York, N.Y.
- Bandalos, D.L. & Enders, C.K. (April, 1995). The effects of number of response categories and nonnormality on reliability. American Educational Research Association, San Francisco, CA.
- Bandalos, D.L., Yates, K.E., and Thorndike-Christ, T. (April, 1994). The relationship of failure and success attributions to test anxiety. American Educational Research Association, New Orleans, LA.
- Bhola, D.S., Bandalos, D.L., and Naumann-Sandoval, W. (April, 1994). An investigation of the influence of correlated measurement errors on ML parameter estimation using LISREL 7. American Educational Research Association, New Orleans, LA.
- Naumann-Sandoval, W. & Bandalos, D.L. (October, 1994). A comparison of the ML, GLS, and WLS estimation methods for a confirmatory factor analysis model. Midwestern Educational Research Association, Chicago: IL.
- Bandalos, D.L. (April, 1993). Cross-validation of structural equation models : The effects of sample size, loading size, and model misspecification. American Educational Research Association, Atlanta, GA.
- Bandalos, D.L., Thorndike-Christ, T., & Yates, K. (April, 1993). Gender differences in a model of test anxiety: Implications for women. American Educational Research Association, Atlanta, GA.
- Yates, K.E, Bandalos, D.L, & Thorndike-Christ, T. (June, 1993). Differential effects of causal attributions and self-efficacy on test anxiety. American Psychological Society, Chicago, IL.
- Bandalos, D.L. & Weissinger, E. (October, 1992). Recent trends in measurement theory: Applications to the study of leisure. Keynote address in Research Symposium of the Society of Park and Recreation Educators, Cincinnati, OH.
- Bandalos, D.L. (April, 1992). Factors affecting the cross-validation of confirmatory factor analysis models. American Educational Research Association, San Francisco, CA.
- Bandalos, D.L. (April, 1990). An application of second-order confirmatory factor analysis to the assessment of the Reactions to Tests scale. National Council on Measurement in Education, Boston. MA.
- Bandalos, D.L., Hutchinson, S., & Benson, J. (June, 1989). The invariance of a structural model of test anxiety for males and females. International Society for Test Anxiety Research, Amsterdam, The Netherlands.

Benson, J. & Bandalos, D.L. (July, 1988). A structural model of statistical test anxiety in adults. International Society for Test Anxiety Research, Padua, Italy.

Bandalos, D.L. & Benson, J. (April, 1988). A test of the factor structure of the Computer Attitude Scale over several grouping conditions. National Council on Measurement in Education, New Orleans, LA.

Bandalos, D.L. (April, 1987). An evaluation framework for student services practitioners. American Educational Research Association, Washington, D.C.

Test and Book Reviews

Bandalos, D.L., & Spratto, E.M. (2020). Review of the Reiss Motivation Profile (RMP) for Self-Discovery. In Carlson, J., Geissinger, K., & Jonson, J., *The Twenty-first Mental Measurements Yearbook*. Lincoln, NE: The Buros Institute of Mental Measurements.

Bandalos, D.L. (2007). Review of the Sources of Stress Scale. In R.A. Spies and B.S. Plake (Eds.), *The Seventeenth Mental Measurements Yearbook*. Lincoln, NE: The Buros Institute of Mental Measurements.

Bandalos, D.L. (2005). Review of the BarOn Emotional Quotient-360. In R.A. Spies and B.S. Plake (Eds.), *The Sixteenth Mental Measurements Yearbook*. Lincoln, NE: The Buros Institute of Mental Measurements.

Bandalos, D.L. (2005). Review of the Racial Attitude Survey. In R.A. Spies and B.S. Plake (Eds.), *The Sixteenth Mental Measurements Yearbook*. Lincoln, NE: The Buros Institute of Mental Measurements.

Bandalos, D.L. (2002). Review of *Structural Equation Modeling: Foundations and Extensions* by David Kaplan. *Journal of Educational Measurement*, 39(2), 183-186.

Bandalos, D.L. (2001) Review of the Universal Nonverbal Intelligence Test. In B.S. Plake and Impara, J.C. (Eds.), *The Fourteenth Mental Measurements Yearbook*, pp. 1295-1298. Lincoln, NE: The Buros Institute of Mental Measurements.

Bandalos, D.L. (2001). Review of the Graded Word Spelling Test. In B.S. Plake and Impara, J.C. (Eds.), *The Fourteenth Mental Measurements Yearbook*, pp.510-511. Lincoln, NE: The Buros Institute of Mental Measurements.

Bandalos, D.L. (1995). Review of the Assessment of Conceptual Organization (ACO): Improving Writing, Thinking, and Reading Skills. In J.C. Conoley and Impara, J.C., (Eds.), *The Twelfth Mental Measurements Yearbook*, pp. 87-88. Lincoln, NE: The Buros Institute of Mental Measurements.

Bandalos, D.L. (1995). Review of the Endler Multidimensional Anxiety Scales. In J.C. Conoley and Impara, J.C., (Eds.), *The Twelfth Mental Measurements Yearbook*, pp. 351-354. Lincoln, NE: The Buros Institute of Mental Measurements.

Grant Activity

- 2020 Bandalos, D. L. consultant on Measuring Mindset in Undergraduate STEM Students. NSF Grant # 1937684 awarded to Limeri, L., University of Georgia.
- 2015 Cramond, B., Summers, S., & Bandalos, D.L. Advancing the science of imagination: Toward an imagination quotient. Templeton Foundation, The Imagination Institute. \$188,480 not funded.
- 2013 Schwanenflugel, P., Bandalos, D.L., & Kuhn, M. Rating Reading Expressiveness. U.S. Department of Education, Institute for Education Science. \$1,000,000 not funded.
- 2011 Schwanenflugel, P., Bandalos, D.L., & Kuhn, M. Rating Reading Expressiveness. U.S. Department of Education, Institute for Education Science. \$800,000, not funded.
- 2011 Sheridan, S.M., Beretvas, T., Moorman Kim, E., Bandalos, D.L., & Hill, N.E. A Meta-Analysis of Parent Involvement Interventions and Family-School Partnerships' Effects on Student Outcomes. U.S. Department of Education, Institute for Education Science. \$699,997, awarded.
- 2008 Orpinas, P., Bandalos, D., Horne, A., & Reeves, P. Developmental Pathways to Dating Violence and Suicidal Behavior: The Healthy Teens Project. U.S. Department of Health and Human Services, Centers for Disease Control. \$899,997 funded.
- 2005 Orpinas, P., Bandalos, D., Horne, A., Quinn, W., & Reeves, P. Healthy Teens: Understanding Social Competence Development. U.S. Department of Health and Human Services. \$900,000, funded.
- 2001 Bandalos, D.L. & Mickelson, K. Integration of Assessment Content into the Preservice Teacher Curriculum, Federal Eisenhower Grant administered through the Nebraska Coordinating Commission for Post-secondary Education. \$49,533 funded.
- 2000 Bandalos, D.L. & Roeschewski, P. Teachers' Perceptions of Standards Based Assessment. Joint Teachers' College Institute and UNL Layman Grant. \$12,032, funded.

- 1998-1999 Bandalos, D.L., Finney, S., Jonson, J., & Geske, J. Development of Teaching Strategies and Assessments to Improve Student Learning and Integration of Statistical Concepts. UNL Teaching Council Grant. \$5240, funded.
- 1995-1996 Gallup Research Professorship to study the behavior of ADF estimation techniques with nonnormal and coarsely categorized data.. \$11,000, funded.
- 1996 Ansonge, C., Wise, S., Bandalos, D., Creswell, J., Evans, S., & Giraud, G. Authoring Multimedia Tools for Teaching Introductory Statistics. UNL Teaching Council Grant. \$8710, not funded.

Honors and Awards

- 2019 Eber Award, Society for Multivariate Experimental Psychology.
- 2018 Winner of the Outstanding Researcher Award, Department of Graduate Psychology, James Madison University
- 2017 Elected to fellow status in the American Psychological Association.
- 2007 Outstanding Scholar Award from the College of Education, University of Maryland, College Park.
- 2005 Elected to membership in the Society for Multivariate Experimental Psychology (SMEP); this society has a national membership limit of 65 people.
- 2002 Recipient, with Leslie Lukin and Delwyn Harnish, of the NCME award for Excellence in Classroom Assessment Training for the Nebraska Assessment Cohort, the nation's first state teacher endorsement program in assessment.
- 2001 Recipient, Teachers College Distinguished Teaching Award.

SERVICE AND OUTREACH ACTIVITIES

Professional Affiliations

American Educational Research Association
 National Council on Measurement in Education
 American Psychological Association

National Leadership Roles

- 2021 President-elect, American Psychological Association, Division 5
- 2020-2023 Committee on Psychological Testing and Assessment, American Psychological Association
- 2020 Advisory Committee for the Cancer Support Community's Valued

2020	Outcomes in the Cancer Experience (VOICE) Project Technical Advisory Board Member: Early Educator Investment Collaborative
2018-present	Advisory Council of the Buros Center on Testing, Lincoln, NE
2017	President-elect of the Society for Multivariate Experimental Psychology
2015-present	Re-appointed to the Examination Committee of the Association of State and Provincial Psychology Boards (licensing body for psychologists in the U.S. and Canada)
2013-2017	Appointed as Financial Officer of the Society for Multivariate Experimental Psychology (SMEP)
2013	Appointed to the Advisory Board of the Torrance Center for Creativity and Talent Development
2011	Appointed to the Examination Committee of the Association of State and Provincial Psychology Boards (licensing body for psychologists in the U.S. and Canada)
2005 – 2010	Grant proposal reviewer: U.S. Department of Education Institute of Education Sciences
2005	Member, James Madison University Assessment and Measurement Program External Review Team

Editorial Boards

2012 – 2019	Associate Editor, <i>Multivariate Behavioral Research</i>
2007 - 2012	Associate Editor, <i>Structural Equation Modeling: A Multidisciplinary Journal</i> .
2012 - Present	<i>Multivariate Behavioral Research</i>
1993 - Present	<i>Structural Equation Modeling: A Multidisciplinary Journal</i>
2000 - Present	<i>Psychological Methods</i>
1997 - Present	<i>Applied Measurement in Education</i>
2000 - 2004	<i>Educational Measurement: Issues and Practice</i>
2000 - 2002	<i>School Psychology Quarterly</i>
1994 - 2000	<i>The Journal of Leisure Studies</i>

Ad Hoc Reviewer

1992-1997	<i>Applied Measurement in Education</i> .
1992-2000	<i>Educational Measurement: Issues and Practice</i>
1993 -Present	<i>Multivariate Behavioral Research</i> .
1995-2000	<i>Psychological Methods</i>
1999-Present	<i>Journal of Educational Measurement</i>
2003-Present	<i>Educational Researcher</i>
2005- Present	<i>Psychological Assessment</i>
2005-Present	<i>Journal of Educational and Behavioral Statistics</i>
2007-Present	<i>Psychometrika</i>
2008-Present	<i>School Psychology Quarterly</i>

Professional Organizations

2017-2018	Chair, American Psychological Association Division 5 Awards Committee
2016 – 2018	Chair, Thomas F. Donlon Mentoring Award Committee, Northeast Educational Research Association
2018	Chair, Awards Committee, American Psychological Association, Division 5
2015 – 2017	Member-at-large and member of Awards Committee, American Psychological Association, Division 5
2014	Discussant, Paper session entitled “Measurement and modeling issues in structural equation modeling.” American Educational Research Association, Philadelphia, PA, April, 2014.
2014	Speaker, Division D (AERA) Graduate Student Research Seminar: Planning for the “After Life” (... After Graduation!): Advice From Measurement and Research Methodology Professionals. Philadelphia, PA, April, 2014.
2014	Discussant, Structural Equation Modeling SIG, American Educational Research Association, Philadelphia, PA
2013	Mentor, 2013 Speed Mentoring Event, American Psychological Association, Honolulu, HI
2013	Organizer, “Thinking clearly about multivariate models in psychology.” Symposium session, American Psychological Association, Honolulu, HI
2011	Organizer, “Recruitment and training of measurement professionals.” Innovative Symposium Session, National Council on Measurement in Education, Vancouver, BC, Canada.
2011	Discussant, American Psychology Association, Division 5
2011	Elected as Division 5 Representative to the APA Council of Representatives
2008	Incoming Chair, APA Division 5 Membership Committee
2008-2011	Member, NCME Membership Committee
2008; 2010	Discussant, Structural Equation Modeling Special Interest Group of the American Educational Research Association
2006	Co-Chair, APA Division 5 Program Committee
2004	Member, NCME Training Session Committee
2003-Present	Member, AERA Division D Mentoring Committee
2003	Discussant, Structural Equation Modeling Special Interest Group of the American Educational Research Association
1998	Nominee for secretary of Division D: American Educational Research Association
1999-2001	Program Chair, Structural Equation Modeling Special Interest Group of the American Educational Research Association
1999	Session Discussant, Structural Equation Modeling Special Interest Group of the American Educational Research Association
1997, 1998	Session Chair, Structural Equation Modeling Special Interest Group of the American Educational Research Association
1992-Present	Proposal Reviewer, Division D (Research Methodology) of the

1992 - Present	American Educational Research Association
1992	Proposal Reviewer, National Council on Measurement in Education
1993 - Present	Session Chair, National Council on Measurement in Education
	Proposal Reviewer, Structural Equation Modeling
	Special Interest Group of the American Educational Research Association
1993 -1998	Secretary/Treasurer of the Structural Equation Modeling
	Special Interest Group of the American Educational Research Association

University

2017-present	Member, Committee on Academic Programs
2012 -2016	Member, Faculty Research Council, James Madison University
2010 – present	Member, Graduate Faculty Committee, James Madison University
2005 - 2006	Member, Lifelong Education, Administration, and Policy Program Internal Review Team
1999	Faculty Evaluator for International Teaching Assistant Program
1996 - 1999	Faculty Peer Review Fellow: Program funded by the Fund for the Improvement of Postsecondary Education, U.S. Department of Education
1995	Panelist on Teaching and Learning Center workshop “Promoting Discussion in the Classroom”
1995 -1996	Presenter at University-wide GA Training workshops

College

2010-present	Member, CHBS Graduate Faculty Committee, James Madison University
2010-present	Director, Assessment and Measurement Program, James Madison University
2008	Member, College of Education Workload Committee
2003 - 2006	Co-chair, College of Education Graduate Student Research Conference
2000 - 2002	Teachers College Institute Assessment Committee
2000 - 2002	Teachers College Assessment Endorsement Committee
1998 - 2001	Teachers College Promotion and Tenure Committee
1996-1998	Teachers College Planning and Allocation Committee
1991 - 1993	Teachers College Evaluation Committee
1992 -1994	Teachers College Scholarship Committee
1995 -1997	Teachers College Equity Committee

Department

Fall 2018	Co-chair, Assessment and Measurement Program Search Committee
2014-2015	Chair, Personnel Action Committee, Department of Graduate Psychology, James Madison University
2013- present	Member, Personnel Action Committee, Department of Graduate

2010- present	Psychology, James Madison University Director, Assessment and Measurement Doctoral Program, James Madison University
2004 – 2010	Director, Program in Research, Measurement, Evaluation, and Statistics, University of Georgia
2003 – 2007	Member, Committee on the Carnegie Initiative for the Doctorate, University of Georgia
1998 - 2001	Program Leader, Qualitative and Quantitative Methods in Education, University of Nebraska
1992 -1998	Supervisor of EP 459 Instructors, University of Nebraska
1993 -1998	Departmental Peer Reviewer for the Institutional Review Board, University of Nebraska
1993 -1998	Undergraduate Education Committee, University of Nebraska
1994 -1999	Buros Institute for Mental Measurement Advisory Board, University of Nebraska

Community Outreach Activities

Summer, 2001-2005	Evaluator, Nebraska Student-based Teacher-led Assessment and Reporting System (STARS), Nebraska Department of Education
Summer, 2001- 2005	Evaluator of District Language Arts Assessment Portfolios for Nebraska State Department of Education
Fall, 2000	Developed, with Leslie Lukin, the only state teacher endorsement in assessment in the U.S.
1999	Coordinator: Workshop on Assessment and Standards for the Nebraska Council on Excellence in Education
1999-1998	Presenter: Workshop on Assessment and Standards for the Nebraska Council on Excellence in Education
1995-1996	Collaboration on a generalizability project for a district-wide writing assessment with the Millard Public Schools, Millard, Nebraska
1996	Volunteer tutor for the Lincoln Action Program