

CURRICULUM VITAE

Laura M. Stapleton

Associate Professor
Human Development and Quantitative Methodology
University of Maryland
College Park, MD 20742
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Education

Bachelor of Arts	Economics / Japanese double major Apr., 1988 University of Michigan
Master of Education	Curriculum and Instruction May, 1992 George Mason University
Doctor of Philosophy	Measurement, Statistics and Evaluation Aug., 2001 University of Maryland

Professional Experience

Economist May, 1988 to Aug., 1990	International Price Program Bureau of Labor Statistics, Washington, DC
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Responsible for providing technical assistance to industry analysts, assisting in the development of pricing programs and the development of new survey data entry and management programs. Collaborated to create Import and Export Price Indexes in a given time frame, and prepared the data for publication. Participated in, as well as chaired, various research studies regarding the quality of the collected BLS international price data. Also instrumental in the development of U.S.-Japan Export Price Index comparisons.

Research Associate Aug. 1990 to Jan., 1995	Office of Research American Association of State Colleges and Universities, Washington, DC
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Responsible for the overall management of research data, conducted and facilitated research activities and implemented new database and statistical computer applications, training research staff on them. Coordinated annual survey efforts of higher education institutions, including questionnaire design, data entry, analysis and dissemination. Imported data from the U.S. Department of Education for use in responding to requests about higher education from association members, association staff and the media. Undertook research projects for grants and contracts, which included quantitative and qualitative

research methods. Grant activities included case studies of five teacher education programs and a quantitative analysis of transfer student enrollment behavior.

Associate Director Office of Institutional Research and Planning
Jan., 1995 to Aug., 2001 University of Maryland

Conducted research and program evaluation for use in university planning. Responsible for the coordination of several annual projects, which require data generation from university databases as well as survey development and production. Projects included topics such as state-mandated faculty workload reporting, student and faculty attitudes toward the general mathematics requirement, and campus climate assessment. Served on university committees such as the Enrollment Management Committee, the Campus Assessment Work Group, the Diversity Evaluation Committee, and the Middle States Task Force on Interdisciplinary Education, as well as represent the Associate Vice President for Institutional Research and Planning. Supervise eight analysts, programmers, and assistants.

Lecturer Dept of Measurement, Statistics and Evaluation
Fall semesters, 1997, 1999 University of Maryland

Taught upper-level undergraduate course, Classroom Assessment, to teacher education students.

Workshop Instructor Dept of Measurement, Statistics and Evaluation
2000 to 2003, 2-day periods University of Maryland
National Center for Education Statistics
Graduate Certificate in Large-Scale Assessment

Taught and co-taught workshops on statistical techniques to practitioners and academics. Topics included hierarchical linear modeling, principal components analysis, discriminant function analysis, multivariate analysis of variance, canonical correlation, and cluster analysis.

Assistant Professor Department of Educational Psychology
Aug., 2001 to July, 2005 University of Texas at Austin

Taught graduate courses in structural equation modeling and survey research methods, as well as undergraduate introduction to statistics.

Assistant Professor Psychology Department
Aug., 2005 to June, 2008 University of Maryland, Baltimore County

Teach graduate courses in structural equation modeling, measurement, regression, and survey of multivariate methods, as well as undergraduate experimental psychology (design and analysis).

Methodology, pp. 342-369. Lawrence Erlbaum Associates.

- Stapleton, L. M. (2006). Using multilevel structural equation modeling techniques with complex sample data. In Hancock, G. R., & Mueller, R. (Eds). *A Second Course in Structural Equation Modeling*, pp. 345-383. Greenwich, CT: Information Age Publishing.
- Ludwig, M., & Stapleton, L. M. (1992). Public Enrollment Trends of 1979-89 in *A Challenge of Change: Public Four-Year Higher Education Enrollment Lessons from the 1980s for the 1990s*, pp. 13-49. American Association of State Colleges and Universities, Washington, D.C.

Articles in Refereed Journals. (* indicates current or former student)

- Stapleton, L. M. (2012). Evaluation of conditional weight approximations for two-level models. *Communications in Statistics: Simulation and Computation*, 41, 182-204.
- Goodin, B. R.*, Quinn, N. B.*, Kronfli, T., King, C. D., Page, G. G., Haythornthwaite, J. A., Edwards, R. R., Stapleton, L. M., & McGuire, L. (in press). Experimental pain ratings and reactivity of cortisol and soluble tumor necrosis factor-[alpha] receptor II following a trial of hypnosis: Results of a randomized controlled pilot study. *Pain Medicine*.
- Goodin, B. R.*, Quinn, N. B.*, King, C. D., Page, G. G., Haythornthwaite, J. A., Edwards, R. R., Stapleton, L. M., & McGuire, L. (in press). Enhanced cortisol increase upon awakening is associated with greater pain ratings but not salivary cortisol or soluble tumor necrosis factor-[alpha] receptor II responses to acute pain. *The Clinical Journal of Pain*.
- Ross, D. D., Shpritz, D. W., Wolfsthal, S. D., Zimrin, A. B., Keay, T. J., Fang, H., Schuetz, C., Stapleton, L. M., & Weissman, D. E. (in press). Creative solutions for implementation of experiential, competency-based palliative care training for internal medicine residents. *Journal of Cancer Education*.
- Leite, W. L.*, & Stapleton, L. M. (in press). Detecting growth shape misspecifications in latent growth models: An evaluation of fit indices. *Journal of Experimental Education*.
- Goodin, B. R.*, Quinn, N. B.*, King, C. D., Page, G. G., Haythornthwaite, J. A., Edwards, R. R., Stapleton, L. M., & McGuire, L. (2011). Salivary cortisol and soluble tumor necrosis factor-alpha receptor II responses to multiple experimental modalities of acute pain. *The Clinical Journal of Pain*, 1, 1-10.
- Burt, W. M.*, & Stapleton, L. M. (2010). Connotative meanings of student performance labels used to in standard setting. *Educational Measurement: Issues and Practice*, 29, 28-38.
- Schultz, D., Ambike, A.*, Stapleton, L. M., Domitrovich, C., Schaeffer, C., & Bartels, B. (2010). Development of a questionnaire assessing teacher perceived support for and attitudes about social and emotional learning. *Early Education & Development*, 21, 866-885.
- Stapleton, L. M., Cafarelli, M.*, Almario, M.*, & Ching, T.* (2010). Prevalence and characteristics of student attitude surveys used in public elementary schools in the United States. *Practical Assessment Research and Evaluation*, 15, #9.

- Sonnenschein, S., Stapleton, L. M., & Benson, A.* (2010). The relation between the type and amount of instruction and growth in children's reading competencies. *American Educational Research Journal*, *47*, 358-389.
- Schultz, D., Logie, S.*, Ambike, A.*, Bohner, K.*, Stapleton, L., Vanderwalde, H.*, Min, C.*, & Betkowski, J. A.* (2010). The development and validation of a video-based assessment of young children's social information processing. *Journal of Abnormal Child Psychology*, *38*, 601-613.
- Goodin, B. R.*, McGuire, L. M., Stapleton, L. M., Haythornthwaite, J. A., Mayes, L. A.*, Quinn, N. B.*, & Edwards, R. R. (2009). Pain catastrophizing mediates the relation between strenuous exercise involvement and pain response: The moderating role of anxiety sensitivity. *Psychosomatic Medicine*, *71*, 1018-1025.
- Goodin, B. R.*, McGuire, L., Allshouse, M., Stapleton, L. M., Haythornthwaite, J., Burns, N.*, Mayes, L. A.*, & Edwards, R. R. (2009). Associations between catastrophizing and endogenous pain-inhibitory processes: Sex differences. *Journal of Pain*, *10*, 180-190.
- Schultz, D., Izard, C. E., Stapleton, L. M., Buckingham-Howes, S.*, & Bear, G. C. (2009) Children's social status as a function of emotionality and attention control. *Journal of Applied Developmental Psychology*, *30*, 169-181.
- Stapleton, L. M. (2008). Variance estimation using replication methods in structural equation modeling with complex sample data. *Structural Equation Modeling: A Multidisciplinary Journal*, *15*, 183-210.
- Allua, S.*, Stapleton, L. M., & Beretvas, S. N. (2008). Testing Latent Mean Differences Between Observed and Unobserved Groups using Multilevel Factor Mixture Models. *Educational and Psychological Measurement*, *68*, 357-378.
- Pituch, K. A., & Stapleton, L. M. (2008). The performance of methods to test upper-level mediation in the presence of nonnormal data. *Multivariate Behavioral Research*, *43*, 237-267.
- Stapleton, L. M., Sander, J. B., & Stark, K. D. (2007). Psychometric properties of the Beck Depression Inventory for youth in a sample of girls. *Psychological Assessment*, *19*, 230-235.
- Fine, J. G.*, Semrud-Clikeman, M., Keith, T. Z., Stapleton, L. M., & Hynd, G. W. (2007). Reading and the corpus callosum: An MRI family study of volume and area. *Neuropsychology*, *21*, 235-241.
- Suizzo, M.-A., & Stapleton, L. M. (2007). Home-based parental involvement in young children's education: examining the effects of maternal education across U.S. ethnic groups. *Educational Psychology*, *27*, 533-556.
- Stapleton, L. M. (2006). An assessment of practical solutions for structural equation modeling with complex sample data. *Structural Equation Modeling: A Multidisciplinary Journal*, *13*, 28-58.
- Whittaker, T. A.*, & Stapleton, L. M. (2006). The performance of cross-validation indices used to select among competing covariance structure models under multivariate nonnormality conditions. *Multivariate Behavioral Research*, *41*, 295-335.
- Pituch, K. A., Stapleton, L. M., & Kang, J.-Y.* (2006). A comparison of single sample and bootstrap methods to assess mediation in cluster randomized trials. *Multivariate Behavioral Research*, *41*, 367-400.

- Shah, S.* , Novak, S.* & Stapleton, L.M. (2006). Evaluation and comparison of models of metabolic syndrome using confirmatory factor analysis: a methodological approach. *European Journal of Epidemiology*, 21, 343-349.
- Stapleton, L. M., & Edmonds, M.* (2005). An exploration of the validity of the unbounded write-in scale for inter-individual research. *International Journal of Public Opinion Research*, 17, 484-494.
- Pituch, K., Whittaker, T. A.* , & Stapleton, L. M. (2005). A comparison of methods to test for mediation in multisite experiments. *Multivariate Behavioral Research*, 40, 1-23.
- Stapleton, L. M., & Leite, W. L.* (2005). A review of syllabi for a sample of structural equation modeling courses. *Structural Equation Modeling: A Multidisciplinary Journal*, 12, 642-664.
- Best, R. G.* , Stapleton, L. M., & Downey, R. G. (2005). Core self-evaluations and job burnout: The test of alternative models. *Journal of Occupational Health Psychology*, 10, 441-451.
- Novak S.* , Stapleton L. M., Litaker J.* , Lawson K. (2005). Re: “(Mis)use of factor analysis in the study of insulin resistance syndrome”. *American Journal of Epidemiology*, 161, 1184-1185.
- Cemalcilar, Z.* , Falbo, T., & Stapleton, L. M. (2005) Cyber communication: A new opportunity for international students’ acculturation. *International Journal of Intercultural Relations*, 29, 91-110.
- Novak, S.* , Stapleton, L. M., Litaker, J. R.* , & Lawson, K. A. (2003). A confirmatory factor analysis evaluation of the coronary heart disease risk factors of metabolic syndrome with emphasis on the insulin resistance factor. *Diabetes, Obesity and Metabolism*, 5, 388-396.
- Stapleton, L. M. (2002). The incorporation of sample weights into multilevel structural equation models. *Structural Equation Modeling: A Multidisciplinary Journal*, 9, 475-502.
- De Ayala, R., Kim, S.-H., Stapleton, L. M., & Dayton, C. M. (2002). Differential Item Functioning: A mixture distribution conceptualization. *International Journal of Testing*, 2, 243-276.

Monographs, Reports, and Extension Publications.

- Stapleton, L. M., & Lissitz, R. W. (1999). *Evaluating faculty salary equity using hierarchical linear modeling*. Monograph 98-11, Institute for Higher Education Law and Governance, University of Houston, Working monograph series.
- Ludwig, M., & Stapleton, L. M. (1994). *At what point do community college students transfer to baccalaureate-granting institutions? Evidence from a 13-state study*. American Council on Education, Washington, D.C. ED370479
- Strand, H. & Stapleton, L. (1992). *Estimates of enrollment at public, four-year institutions*. American Association of State Colleges and Universities. ED365217

Stapleton, L. & Ludwig, M. (1991). *Student charges at public institutions: Annual survey 1990-91*. American Association of State Colleges and Universities. ED365211

Stapleton, L. & Ludwig, M. (1990). *Enrollments at public four-year colleges and universities: Annual survey 1989-90*. American Association of State Colleges and Universities. ED365216

Book Reviews, Other Articles, and Notes.

Stapleton, L. M. (2011). Review of Structural Equation Modeling: Foundations and Extensions (2nd edition) by David Kaplan. *Structural Equation Modeling: A Multidisciplinary Journal*, 18, 492-496.

Talks, Abstracts, and Other Professional Papers Presented.

Invited talks, etc.

Stapleton, L. M. (2012, July 23). U.S. Department of Education, Institute for Education Sciences, sixth training Institute on Cluster-Randomized Trials: two-hour workshop on tests of mediation. Northwestern University, Chicago, IL.

Stapleton, L. M. (2012, April 27). Invited day-long workshop on multilevel structural equation modeling. University of Connecticut, Storrs, CT.

Stapleton, L. M. (2011, June 29). U.S. Department of Education, Institute for Education Sciences, fifth training Institute on Cluster-Randomized Trials: two-hour workshop on tests of mediation. Northwestern University, Chicago, IL.

Stapleton, L. M. (2011, June 7). Invited day-long workshop on assessing mediation in single-level and multi-level contexts. University of Minnesota, Minneapolis, MN.

Stapleton, L. M. (2010, June 29). Invited two-hour lecture on testing mediation within cluster randomized trials. Institute for Education Sciences, annual research conference, Washington, DC.

Stapleton, L. M. (2009, October). Invited lecture on issues in the use of structural equation modeling with longitudinal public-release data files. 25th annual International Methodology Symposium. Gatineau/Ottawa, Canada.

Stapleton, L. M. (2009, June 26). U.S. Department of Education, Institute for Education Sciences, third training Institute on Cluster-Randomized Trials: two-hour workshop on tests of mediation. Vanderbilt University, Nashville, TN.

Stapleton, L. M. (2008, October 27). Invited one-hour lecture on issues in analyzing data from complex sampling designs. Measurement, Statistics and Evaluation Department, University of Maryland, College Park.

Stapleton, L. M. (2007, Dec 1). Invited half-day workshop on measurement issues in social science research. Education Policy Program, Oakland University, Michigan.

Stapleton, L. M. (2007, April 30). Invited one-hour lecture on variance estimation in structural equation modeling when analyzing data obtained through non

random samples. Measurement, Statistics and Evaluation Department, University of Maryland, College Park.

Stapleton, L. M. (2006, Dec 2). Invited half-day workshop on measurement issues in social science research. Education Policy Program, Oakland University, Michigan.

Stapleton, L. M. (2006, April 7). Pre-conference one-hour workshop on multilevel structural equation modeling. Annual meeting of the American Educational Research Association, San Francisco, CA.

Refereed conference proceedings.

Stapleton, L. M. & Kang, Y.-J.* (2012, April). *Level-Two Design Effects for Data from the National Center for Educational Statistics*. Paper to be presented at the 2012 annual meeting of the American Educational Research Association, Vancouver, BC.

Stapleton, L. M. & Pituch, K.-A. (2012, April). *Effect size measures for mediation in cluster-randomized trials*. Paper to be presented at the 2012 annual meeting of the American Educational Research Association, Vancouver, BC.

Stapleton, L. M. (2011, July). *Hybrid aggregated-disaggregated multilevel structural equation modeling with complex sample data*. Symposium presentation at the 2011 annual meeting of the American Psychological Association, Washington, DC.

Pituch, K. A., & Stapleton, L. M. (2011, May). *An improved approach for mediation analysis in the 2-1-1 cluster randomized experimental design*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans.

Stapleton, L. M. (2010, May). *Evaluation of conditional weight approximations for two-level models*. Paper presented at the 2010 annual meeting of the American Educational Research Association, Denver, CO.

Choi, J., Villarreal, P., & Stapleton, L. M. (2010, May). *Mediation effect analysis using Markov chain Monte Carlo estimation methods*. Paper presented at the 2010 annual meeting of the American Educational Research Association, Denver, CO.

Leite, W. L.*, Stapleton, L. M., Beretvas, S. N., & Algina, J. (2010, May). *Analyzing Cross-classified Data Structures without a Cross-classified Random Effects Model: An Evaluation of Design-Based Methods*. Paper presented at the 2010 annual meeting of the American Educational Research Association, Denver, CO.

Pituch, K. A., & Stapleton, L. M. (2010, May). *Multilevel mediation hypotheses and analysis for two- and three-level cluster randomized experimental designs*. Paper presented at the annual meeting of the American Educational Research Association, Denver.

Stapleton, L. M., Reiner, L. S.*, & Aluvathingal, A. J.* (2010, March). *The relation of the response distribution to self-report questionnaire items and cognitive ability among school-aged children*. Poster to be presented at the annual meeting of the Society for Research on Educational Effectiveness, Washington, D.C.

- Sonnenschein, S., Stapleton, L. M., & Metzger, S. R.* (April, 2009). *What do parents know about how well their children are doing in school?* Poster to be presented at the 2009 meeting of the Society for Research on Children and Adolescents, Denver, CO.
- Stapleton, L. M. & Whittaker, T. A.* (March, 2008) *A demonstration of the equivalency of CFA and IRT estimates with dichotomous and ordinal indicators.* Paper presented at the 2008 annual meeting of the American Educational Research Association, New York, NY.
- Sonnenschein, S., Stapleton, L. M., & Benson, A.* (March, 2008) *The relation between type and amount of instruction on children's literacy development.* Paper presented at the 2008 annual meeting of the American Educational Research Association, New York, NY.
- Beall, L,* Baker, L., & Stapleton, L. M. (March, 2008) *Issues in using national and international datasets for educational research: An applied example.* Paper presented at the 2008 annual meeting of the American Educational Research Association, New York, NY.
- Falbo, T. & Stapleton, L. M. (2007, August). *College motivation of students with and without learning disabilities.* Poster presented at the annual conference of the American Psychological Association. San Francisco, CA.
- Fine, J.*, Semrud-Clikeman, M., Keith, T. Z., Stapleton, L. M., & Hynd, G. (2007, August). *Familial study of the corpus callosum and oral reading.* Poster presented at the annual conference of the American Psychological Association. San Francisco, CA.
- Earhart, J. A.*, Stark, K. D., Stapleton, L. M., & Patel, P.* (2007, August). *Psychometric properties of the CTI-C used with school-aged females.* Poster presented at the annual conference of the American Psychological Association. San Francisco, CA.
- Stapleton, L. M. (2007, April). *Prevalence of student attitude surveys in public elementary and middle schools and a review of response option formats used.* Paper presented at the annual meeting of the American Educational Research Association. Chicago, IL.
- Leite, W. L.*, & Stapleton, L. M. (2006, April). *Sensitivity of fit indices to detect misspecifications of growth shape in latent growth modeling.* Paper presentation at the annual meeting of the American Educational Research Association. San Francisco, CA.
- Allua, S.*, Stapleton, L. M., & Beretvas, S. N. (2006, April). *Measurement invariance revisited: A demonstration of a series of multilevel CFA models.* Paper presentation at the annual meeting of the American Educational Research Association. San Francisco, CA.
- Fine, J. G.*, Semrud-Clikeman, M., Keith, T. Z., Stapleton, L. M., & Hynd, G. (2006, February). *Smaller corpus callosum midbody in poorer readers.* Poster presentation at the 34th annual meeting of the International Neuropsychological Society, Boston, MA.
- Fine, J. G.*, Semrud-Clikeman, M., Keith, T. Z., Stapleton, L. M., & Hynd, G. (2006, February). *Some lessons learned from comparing MRI area and volume measurements of the corpus callosum.* Poster presentation at the 34th meeting of the International Neuropsychological Society, Boston, MA.

- Fine, J. G.*, Semrud-Clikeman, M., Keith, T. Z., Stapleton, L. M., & Hynd, G. (2006, February). *Why not study differences among family members for heritable disorders?* Poster presentation at the 34th annual meeting of the International Neuropsychological Society, Boston, MA.
- Bennett, R.*, Stapleton, L. M., & Stark, K. (2005, August). *Testing effects in self-report measures of depression in children.* Paper presentation at the annual meeting of the American Psychological Association. Washington, D.C.
- Stapleton, L. M., & Hancock, G. R. (2005, April). *Strategies for assessing latent means differences with two-level data.* Paper presentation at the annual meeting of the American Educational Research Association. Montreal, Canada.
- Stapleton, L. M. (2005, April). *Variance estimation using replication methods in structural equation modeling with complex sample data.* Paper presentation at the annual meeting of the American Educational Research Association. Montreal, Canada.
- Pituch, K., & Stapleton, L. M. (2005, April). *A comparison of single-sample and resampling methods to assess mediation in multilevel experiments.* Paper presentation at the annual meeting of the American Educational Research Association. Montreal, Canada.
- Fine, J. G.*, Semrud-Clikeman, M., Keith, T. Z., Stapleton, L. M., & Hynd, G. W. (2005, April). *Volumetric analysis of the corpus callosum in RD and able readers.* Paper presentation at the annual meeting of the American Educational Research Association. Montreal, Canada.
- Hersh, B. L.*, Greenberg, M. W.*, Sander, J. B., Stapleton, L. M. & Stark, K. D. (2004, July). *Diagnosing depression: Who reports symptoms more accurately, parent or child?* Poster presented at the American Psychological Association annual convention, Honolulu, Hawaii.
- Greenberg, M. W.*, Hersh, B. L.*, Sander, J. B., Stapleton, L. M. & Stark, K. D. (2004, July). *Relationship between parent's and children's self-views in depressed girls.* Poster presented at the American Psychological Association annual convention, Honolulu, Hawaii.
- Graves, M.*, Rosenberg, V.*, Sander, J. B., Stapleton, L. M., & Stark, K. D. (2004, November). *Exploration of a DSM-IV depression symptom interview in girls: Screening effectiveness, non-specific therapeutic effects, and predictive ability.* Poster presentation at the annual convention of the Association for Advancement of Behavior Therapy. New Orleans, Louisiana.
- Rosenberg, V.*, Graves, M.*, Sander, J. B., Stapleton, L. M., & Stark, K. D. (2004, November). *The relationship between exercise and depression in girls: Symptom severity and comorbidity.* Poster presentation at the annual convention of the Association for Advancement of Behavior Therapy. New Orleans, Louisiana.
- Giroux, D.*, Stapleton, L. M., Stark, K. D., & Sander, J. B. (2004, November). *Assessment of childhood depression: Screening measures and identification of depression versus comorbid conditions.* Poster presentation at the annual convention of the Association for Advancement of Behavior Therapy. New Orleans, Louisiana.
- Simpson, J. P.*, Greenberg, M.*, Stark, K. D., Stapleton, L. M., & Sander, J. B. (2004, November). *Differences in cognitive style between depressed and*

- comorbid depressed and anxious early adolescent girls*. Poster presentation at the annual convention of the Association for Advancement of Behavior Therapy. New Orleans, Louisiana.
- Niemeier, M. L.*, Molnar, J. M.*, Simpson, J.*, Stark, K. D., Stapleton, L. M., & Sander, J. B. (2004, November). *Depressive symptoms and relational aggression in young adolescent girls*. Poster presentation at the annual convention of the Association for Advancement of Behavior Therapy. New Orleans, Louisiana.
- Monnat, L. M.*, Molnar, J. M.*, Greenberg, M.*, Sander, J. B., Stapleton, L. M., & Stark, K. D. (2004, November). *Cognitive triad and perceived family messages: Relationship to depression and comorbid disorders in preadolescent girls*. Poster presentation at the annual convention of the Association for Advancement of Behavior Therapy. New Orleans, Louisiana.
- Bennett, R.*, & Stapleton, L. M. (2004, November). *Monitoring children's depressive symptoms throughout the course of a longitudinal CBT treatment study: An examination of testing effects in self-report-measures*. Symposium presentation at the annual convention of the Association for Advancement of Behavior Therapy. New Orleans, Louisiana.
- Pituch, K., Whittaker, T.*, & Stapleton, L. M. (2004, April). *A comparison of methods to test for mediation in multisite educational experiments*. Paper presentation at the annual meeting of the American Educational Research Association, San Diego, California.
- Whittaker, T. A.*, & Stapleton, L. M. (2004, April). *Performance of cross-validation indices with nonnested models*. Paper presentation at the annual meeting of the American Educational Research Association, San Diego, California.
- Stapleton, L. M. (2004, April). *An assessment of approaches for structural equation modeling with national large-scale databases*. Paper presentation at the annual meeting of the American Educational Research Association, San Diego, California.
- Novak, S.* & Stapleton, L. (2003, May). *A confirmatory factor analysis evaluation of the coronary heart disease risk factors of metabolic syndrome and the effectiveness of the current ATP III guidelines for identification*. Poster session at the annual meeting of the International Society for Pharmoeconomic and Outcomes Research.
- Stapleton, L. M., & Edmonds, M.* (2003, April). *An exploration of the validity of the unbounded write-in scale*. Paper presentation at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- Whittaker, T.*, & Stapleton, L. M. (2003, April). *The performance of cross-validation indices used to select competing covariance structure models under multivariate nonnormality conditions*. Presentation at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- Tomberlin, T.*, Beth, A.*, Bush, A.*, & Stapleton, L. M. (2003, April). *Investigating differences in student learning outcomes: individualized online instruction as a supplement to a traditional classroom-based learning-to-learn course*. Paper discussion at the annual meeting of the American Educational Research Association, Chicago, Illinois.

- Torney-Purta, J. & Stapleton, L. M. (2002, April). *Predictors of civic knowledge and engagement*. Symposium paper presentation at the annual meeting of the American Educational Research Association, New Orleans, Louisiana.
- Stapleton, L. M. (2001, April). *Design-based and model-based approaches for multilevel data in structural equation modeling*. Invited symposium presentation at the annual meeting of the American Educational Research Association, Seattle, Washington.
- Stapleton, L. M., & Hancock, G. R. (2001, April). *The incorporation of design information in multilevel structural equation models for complex sample data*. Paper presented at the annual meeting of the American Educational Research Association, Seattle, Washington.
- Hancock, G. R., Conley, M. W., & Stapleton, L. M. (2001, April). *Latent growth models with multilevel data*. Invited symposium presentation at the annual meeting of the American Educational Research Association, Seattle, Washington.
- Stapleton, L. M., & Hancock, G. R. (2000, May). *Multilevel modeling using data from the National Study of Postsecondary Faculty*. Invited paper presented at the annual forum of the Association for Institutional Research, Cincinnati, OH.
- Stapleton, L. M., Noxel, S., Bers, T., & Hammang, J. (2000, May). *Success and setback: Three case studies of the implementation of Joint Commission on Accountability Reporting graduation rate methodology*. Panel presented at the 2000 annual forum of the Association for Institutional Research, Cincinnati, OH.
- Stapleton, L. M., & Hancock, G. R. (2000, April). *Using multilevel structural equation modeling with faculty data*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Stapleton, L. M., & Hancock, G. R. (1999, November). *Multilevel modeling using data from the National Study of Postsecondary Faculty*. Workshare presented at the North East Association for Institutional Research, Newport, RI.
- Umbach, P. D., Stapleton, L. M., & LaManque, A. (1999, November). *Faculty Workload Policies: Maximizing Multiple Outputs at a Research University*. Paper presented at the 24th Annual Meeting of the Association for the Study of Higher Education, San Antonio, TX.
- Stapleton, L. M. (1999, July). *New ideas: Hierarchical linear modeling*. Workshop presented at the Maryland Association for Institutional Research summer meeting, Westminster, MD.
- Stapleton, L. M. (1999, May). *An alternative to the use of multiple regression to evaluate faculty salary equity*. Presentation at the annual forum of the Association for Institutional Research, Seattle, WA.
- Stapleton, L. M., & Lissitz, R. W. (1999, April). *Evaluating faculty salary equity using hierarchical linear modeling*. Paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- Hancock, G. R., Stapleton, L. M., & Berkovits, I. (1999, April). *Minimum constraints for loading and intercept invariance in covariance and mean*

- structure models*. Paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- De Ayala, R. J., Kim, S.-H., Stapleton, L. M., & Dayton, C. M. (1999, April). *A reconceptualization of differential item functioning*. Paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- Stapleton, L. M. (October, 1998). *An investigation of the Graduation Efficiency Index*. Paper presented at the annual meeting of the Maryland Association for Institutional Research, Columbia, MD.
- Stapleton, L. M., & LaManque, A. (1998, April). *Moving beyond the 'count'ing in accountability*. Paper presented at the annual forum of the Association for Institutional Research, Minneapolis, MN. (MD AIR best paper session)
- Stapleton, L. M. & LaManque, A. (1997, October). *Moving beyond the 'count'ing in accountability*. Paper presented at the annual meeting of the Maryland Association for Institutional Research, Baltimore.
- Stapleton, L. (November, 1996). *An exploration of the use of the Joint Commission for Accountability Reporting definitions for calculating graduation rates*. Paper presented at the annual meeting of the Maryland Association for Institutional Research, Annapolis, MD.
- Presley, J. P., Babin, N., Schmidt, J., & Stapleton, L. (1996, May). *Reporting faculty workload: Moving from mandated accountability to quality assessment*. Paper presented at the annual forum of the Association for Institutional Research, Albuquerque, NM.
- Stapleton, L., Annas, T., Mallette, B., Broughton, V., & Ludwig, M. (1995, May). *Ideas for reporting and using Student-Right-to-Know graduation rate data wisely*. Panel presentation at annual forum of the Association for Institutional Research, Boston, MA.
- Ludwig, M., & Stapleton, L. (1993, April). *Teacher education programs for nontraditional students: The art and science of preparing mid-career changers for teaching math and science*. Paper presented at the annual meeting of the American Educational Research Association, Atlanta, GA.
- Stapleton, L. M. (1993, April). *Research on mid-career teacher preparation program participants and their experiences in various alternative programs*. Paper presented at the Spring Conference of the National Center for Alternative Preparation of Teachers, in Macon, GA.

Contracts and Grants.

National Institutes of Health, National Institute on Drug Abuse
 Duration: 2011 – 2012 (co-investigator)
 Title: Gender-Specific Trajectories of Risk Behavior: Substance Abuse and Delinquency (R03DA031264)
 Funding: \$100,000
 PIs: Dr. Charlotte Bright and Dr. Paul Sacco

Institute for Education Sciences; Statistical and Methodological Research in Education

Duration: 2011 – 2013 (principal investigator)
Title: Approaches for weighting and estimation of public-release education data using two-level covariance structure models
Funding: \$159,000

National Institute of Alcohol Abuse and Alcoholism

Duration: 2007 – 2009 (co-investigator)
Title: Exploring Personal Change Mechanisms in Modifying Drinking Behavior
Funding: \$275,000 (direct)
PI: Dr. Carlo DiClemente

National Institutes of Health; National Center for Complementary and Alternative Medicine

Duration: 2006 – 2008 (co-investigator)
Title: Neuroendocrine and Immune Response to Hypnotic Analgesia: A Pilot Clinical Trial
Funding: \$400,000 (direct)
PI: Dr. Lynanne McGuire

Maryland State Board of Elections

Duration: 2006 – 2007 (co-principal investigator)
Title: Evaluation of election judge training in the state of Maryland
Funding: \$59,628
Co-PI: Dr. Marvin Mandell

University of Maryland, Baltimore, Department of Psychiatry

Duration: 2006 – 2010
Title: Yearly subcontract to provide validation of measures and development of longitudinal risk-adjusted outcomes evaluation for child mental health programs
Funding: ranged from 5% to 18% of annual salary; total of \$28,283

University of Maryland, Baltimore, Department of General Medicine

Duration: 2006 – 2008
Title: Subcontract on HRSA grant to provide training in evaluation of education programs and general research techniques including measurement and data analysis
Funding: \$6,850

American Educational Research Association

Duration: 2004 (principal investigator)
Title: An Assessment of Practical Solutions for Structural Equation Modeling with National Large-Scale Databases
Funding: \$19,307

National Institute of Mental Health

Duration: 2002 – 2007 (co-principal investigator)
Title: CBT vs. CBT plus Parent Training for Girls with
Depression
Funding: \$1,725,000
PI: Dr. Kevin Stark

AIR/NCES/NSF Grant Program on Improving Institutional Research in
Postsecondary Educational Institutions

Duration: June, 1999 - May, 2000
Title: An Investigation of the Application of Structural Equation
Models to Multilevel Higher Education Data
Funding: \$29,178
Co-PI: Dr. Gregory R. Hancock

Maryland Association for Higher Education

Duration: September, 1999 - August, 2000
Title: New Measures of Persistence for New Patterns of College
Attendance
Funding: \$3,000
Co-PI: Dr. Nehama Babin

Fellowships, Prizes, and Awards.

College of Education Alumni Association, University of Maryland
Outstanding New Scholar, 2008

Survey Research Methods Section, American Statistical Association
*Travel award to attend the International Conference on Questionnaire
Development, Evaluation, and Testing (QDET), 2002*

Educational Testing Service, Princeton, New Jersey
Gulliksen Psychometric Fellowship, 2000 – 2001
Funding: \$26,000

**Editorships, Editorial Boards, and Reviewing Activities for Journals and Other
Learned Publications.**

Associate Editor
Journal of Educational Psychology, 2010-present

Editorial Board Membership
Journal of Educational Psychology, 2002-2010
Sport Management Review, 2002-2008

Ad hoc Manuscript Review
Psychological Methods, 2004-2009, 2011

Last updated January 18, 2012

Journal of Applied Behavior Analysis, 2008, 2011
 Contemporary Educational Psychology, 2005, 2011
 Structural Equation Modeling: A Multidisciplinary Journal, 2003-2010
 Multivariate Behavioral Research, 2007-2010
 Journal of Educational Measurement, 2002-2008
 Psychophysiology, 2008
 Journal of Counseling and Clinical Psychology, 2007
 Journal of the Royal Statistical Society, 2005
 Educational and Psychological Measurement, 2004
 Measurement and Evaluation in Counseling and Development, 2004
 Applied Psychological Measurement, 2003
 Journal of Child Development, 2002
 Journal of Educational Psychology, 2001-2002
 Economic and Social Research Council (United Kingdom), 2001

Service

Professional.

Offices and committee memberships held in professional organizations.

2012	Program Chair	Division D, Section 2, AERA
2011	Program co-Chair	Division D, Section 2, AERA
2011	President	Educational Statisticians SIG, AERA
2010	Program Chair	Educational Statisticians SIG, AERA
2004	Chair	Structural Equation Modeling SIG, AERA
2003	Vice Chair	Structural Equation Modeling SIG, AERA
1997-2000	Member	Forum Evaluation Committee, AIR
1996-1999	Representative	Maryland Association for Institutional Research

Reviewing activities for agencies.

U.S. Department of Education, Institute for Education Sciences
 Field-initiated studies grant proposal reviewer – panel for Reading,
 Writing, and Language Development, February, 2012

National Science Foundation
 Methodology, Measurement, and Statistics Program
 November, 2007, October, 2008

U.S. Department of Education, Institute for Education Sciences
 Field-initiated studies grant proposal reviewer – panel for
 evaluation of educational innovations, February, 2005

U.S. Department of Education, Office of Educational Research and Improvement

Field-initiated studies grant proposal reviewer – panel for postsecondary education
 March, 2000, October, 2000, May, 2001

Other unpaid services to local, state, and federal agencies.

2007 - 2011	Baltimore City Public Schools, Research and Planning Division Provide guidance on item response theory and predictive validation of benchmark examinations
2004 – 2008	Wissahickon Charter School, Philadelphia, PA Serve as evaluator/consultant for the K-8 school, summarizing test score reports, developing surveys and analyzing the resulting survey data

Paid consultancies.

- South Carolina State Department of Education
- Johns Hopkins University, Department of Psychological Sciences
- Johns Hopkins University, Department of Psychiatry and Behavioral Sciences
- University of Iowa, Department of Community and Behavioral Health
- University of Maryland, School of Medicine
- ChildTrends, Washington DC

Campus.

Departmental.

2011 – present	Member	Exams Committee
2011 – present	Member	Undergraduate Committee
2010 – 2011	Sponsor	Psychology Council of Majors
2008 – 2010	Member	Department Chair’s Advisory Committee (elected)
2006 – 2008	Member	Teaching Assistant Committee
2005 – 2007	Co-chair	Ad hoc committee on merit pay

University.

2011-2012	Member	Provost’s Dean Review Committee
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2010	Acting Chair	Undergraduate Council
2010	Member	Faculty Senate Executive Committee
2007 – 2010	Member	PeopleSoft Student Accounts Implementation Advisory Group
2007 – 2009	Member	Course Redesign Evaluation Committee
2006 – 2010	Member	Undergraduate Council