

## V I T A

### I. Personal

- A. Jeffrey D. Kromrey
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### II. Education

- A. Ph.D., Educational Measurement and Evaluation, 1989  
University of South Florida, Tampa, Florida.  
Dissertation: *Toward Practical Advice on the Treatment of Missing Data*
- B. Master of Arts, Exceptional Child Education, 1982  
University of South Florida, Tampa, Florida.
- C. Bachelor of Arts magna cum laude, Psychology, 1977  
University of South Florida, Tampa, Florida.

### III. Present Position

(2007 - Present) Professor  
Department of Measurement and Research, College of Education,  
University of South Florida.  
Major responsibilities include:

Teaching graduate courses in educational statistics, applied data analysis, and a laboratory in statistical computing; consultation with faculty in the College of Education on quantitative methods; service on dissertation committees.

### IV. Experience

- A. (2004 - 2007) Professor and Chair  
Department of Measurement and Research, College of Education,  
University of South Florida.  
Major responsibilities include:

Leading academic department of seven faculty members providing M.A., Ed.S. and Ph.D. degrees in Educational Measurement and Research as well as delivering undergraduate coursework in measurement for teachers.

Teaching graduate courses in educational statistics, applied data analysis, and a laboratory in statistical computing; consultation with faculty in the College of Education on quantitative methods; service on dissertation committees.

- B. (1999 - 2004) Professor  
Department of Measurement and Research, College of Education,  
University of South Florida.  
Major responsibilities include:
- Teaching graduate courses in educational statistics, applied data analysis, and a laboratory in statistical computing; consultation with faculty in the College of Education on quantitative methods; service on dissertation committees.
- C. (1994 - 1999) Associate Professor  
Department of Measurement and Research, College of Education,  
University of South Florida.  
Major responsibilities include:
- Teaching graduate courses in educational statistics, applied data analysis, and a laboratory in statistical computing; consultation with faculty in the College of Education on quantitative methods; service on dissertation committees.
- D. (1991 - 1994) Assistant Professor  
Department of Measurement and Research, College of Education,  
University of South Florida.  
Major responsibilities include:
- Teaching graduate courses in educational statistics, applied data analysis, and a laboratory in statistical computing; consultation with faculty in the College of Education on quantitative methods; service on dissertation committees.
- E. (1990 - 1991) Visiting Assistant Professor  
Department of Measurement and Research, College of Education,  
University of South Florida.  
Major responsibilities include:
- Teaching graduate courses in educational statistics, applied data analysis, and a laboratory in statistical computing; consultation with faculty in the College of Education on quantitative methods; service on dissertation committees.
- F. (1986 - 1990) Visiting Assistant Professor  
Institute for Instructional Research and Practice, College of Education,  
University of South Florida, Tampa, Florida.  
Major responsibilities included:
- Design of data gathering and analysis systems for test development; technical issues in sampling, research design, data analysis and statistics; develop technical aspects of proposals for test development projects. Measurement specialist for item writing and review, test construction and training of committee members.
- G. (1984 - 1986) Research Associate  
Teacher Evaluation and Assessment Center, College of Education,  
University of South Florida.

Major responsibilities included:

Design and operation of data management system for the classroom observation portion of the State of Florida Master Teacher Program, data analysis and research design for instrument development and observer certification.

- H. (1983 - 1984) Research Associate  
Office of Clinical Education, College of Education,  
University of South Florida.  
Major responsibilities included:

Design and data analysis of research studies on classroom performance of student teachers.

- I. (1983) Graduate Assistant  
Department of Measurement and Research, College of Education,  
University of South Florida.  
Major responsibilities included:

Classroom instruction in undergraduate and graduate educational measurement and graduate statistics, supplemental individual tutoring in statistics, survey design and analysis, program evaluation.

- J. (1978 - 1983) Counselor  
State of Florida, Department of Health and Rehabilitative  
Services, Developmental Services,  
Major responsibilities included:

Individual and family counseling with developmentally disabled clients, interpretation of psychological evaluations and treatment strategies, case management.

## V. Academic Awards

- A. Graduate Council Fellow 1984, 1985
- B. Phi Kappa Phi membership
- C. Graduate Teaching Award (TIP), 1995
- D. FERA Educational Researcher of the Year, 1997
- E. Distinguished Paper Award, FERA, 1999 (with Qing Yi, former doctoral student)
- F. Distinguished Paper Award, FERA, 2000 (with Melinda Hess, current doctoral student)
- G. Distinguished Paper Award, FERA, 2001 (with Constance Hines, John Ferron, Kristine Hogarty, and Karen Mumford, colleagues and doctoral students)
- H. Distinguished Paper Award, FERA, 2003 (with Melinda Hess, former doctoral student)
- I. President's Award for Faculty Excellence, 2003
- J. Distinguished Paper Award, College Teaching and Learning Conference, 2005 (with Kristine Hogarty, Gianna Rendina-Gobioff, and Amy Hilbelink, colleagues and doctoral students)
- K. Best Paper Award, World Multi-conference on Systemics, Cybernetics and Informatics, 2005 (with Will Tyson, Reggie Lee, Anna Tolentino, MaryAnn Hanson, Ted Micceri, and Kathy Borman, colleagues and doctoral students)

- L. Distinguished Paper Award, FERA, 2006 (with Jeanine Romano, doctoral student)
- M. Best Paper Award, Florida Association for Institutional Research, 2007 (with Jeanine Romano and Jesse Coraggio, doctoral students)

## VI. Grants and Contracts

Date: 2007  
Agency: Bankhead-Coley Cancer Research Program  
Title: Florida Cancer Clinical Trials Physician/Patient Information and Education Program Evaluation  
Amount: \$10,000

Date: 2006  
Agency: Association for Institutional Research  
Title: Correlates of Decision Making: Factors Associated with Degree Completion and Employment  
Amount: \$30,000

Date: 2005  
Agency: American Cancer Society  
Title: Emerging Med Clinical Trials Evaluation  
Amount: \$10,000

Date: 2004  
Agency: American Cancer Society  
Title: Emerging Med Clinical Trials Evaluation  
Amount: \$10,000

Date: 2003  
Agency: Fund for the Improvement of Postsecondary Education  
Title: Innovations in Technology and Teaching (Project Evaluation and Research)  
Amount: \$230,000

Date: 2003  
Agency: University of South Florida, Office of the Provost  
Title: QEP Needs Assessment and Evaluation Planning  
Amount: \$40,000

Date: 2003  
Agency: Spectrum Systems, Inc.  
Title: Evaluation of Spectrum Systems in Elementary Science Classrooms  
Amount: \$42,000

Date: 2003  
Agency: National Science Foundation  
Title: Research Experiences for Teachers (Project Evaluation)  
Amount: \$45,000

Date: 2003  
Agency: University of South Florida, Innovative Teaching  
Title: *EncStat*: A Web-Based Program for the Identification and Management of Statistics Anxiety  
Amount: \$12,000

Date: 2002  
Agency: United States Department of Defense  
Title: Item Exposure Control for the Armed Services Vocational Assessment Battery  
Amount: \$25,000

Date: 2001  
Agency: American Association of Medical Colleges  
Title: Graduate Research Fellowship  
Amount: \$20,000

Date: 2000  
Agency: National Science Foundation  
Title: Analyzing Student Achievement in Statewide, Urban and Rural Systemic Initiatives  
Amount: \$400,000

Date: 1998  
Agency: University of South Florida, Research and Creative Scholarship Grant.  
Title: Construct Validation of the Researcher Beliefs and Practices Scale  
Amount: \$6,129

Date: 1998  
Agency: Educational Testing Services  
Title: GRE Research Graduate Assistantship  
Amount: \$19,500

Date: 1993  
Agency: University of South Florida, Research and Creative Scholarship Grant.  
Title: Detecting Unit of Analysis Problems in Nested Designs: Statistical Power and Type I Error Rates of the F Test for Groups-Within-Treatments Effects  
Amount: \$7,179

Date: 1990  
Agency: Florida Department of Education/ Institute for Instructional Research and Practice.  
Title: Item analysis and item bias analysis in small sample testing  
Amount: \$25,000

## VII. Professional Affiliations

American Educational Research Association  
National Council on Measurement in Education  
American Statistical Association  
Florida Educational Research Association  
    Chair, Distinguished Paper Award Committee, 1992  
    Board Member 1993 - 1996  
Georgia Educational Research Association  
Eastern Educational Research Association  
Psychometric Society

## VIII. Publications

- Romano, J. L. & Kromrey, J. D. (in press). What are the consequences if the assumption of independent observations is violated in reliability generalization meta-analysis studies? Educational and Psychological Measurement.
- Cavanaugh, C., Gillan, K. J., Kromrey, J. D., Hess, M., & Blomeyer, R. (in press). The effect of distance education on K-12 student outcomes: A meta-analysis. American Journal of Distance Education.
- Kromrey, J. D., Hess, M. R. & Coraggio, J. T. (in press). Evidence of the effectiveness of an academic intervention using high stakes test results. In S. Sawilowsky (Ed.) Real data analysis. American Educational Research Association.
- Cafri, G., Kromrey, J. D., & Brannick, M. T. (2009). A SAS macro for statistical power calculations in meta-analysis. Behavior Research Methods, *41*, 35-46.
- Dedrick, R. F., Ferron, J. M., Hess, M. R., Hogarty, K. Y., Kromrey, J. D., Lang, T. R., Niles, J., & Lee, R. (2009). Multilevel modeling: A review of methodological issues and applications. Review of Educational Research, *79*, 69-102.
- Ferron, J.M., Hogarty, K. Y., Dedrick, R. F., Hess, M. R., Niles, J., Kromrey, J. D. (2008). Reporting results from multilevel analyses. In A. O'Connell & D. B. McCoach (Eds.) Multilevel Modeling of Educational Data. Information Age Publishing.
- Bell-Ellison, B. A., Kromrey, J. D. & Ferron, J. M. (2008). Cluster size in multilevel models: The impact of small level-1 units on point and interval estimates in two level models. Proceedings of the American Statistical Association, Social Statistics Section [CD-ROM], Alexandria, VA: American Statistical Association.
- Kromrey, J. D., Fay, R., & Bellara, A. P. (2008). ATTENUATE: A SAS® macro for computing confidence intervals for disattenuated correlation coefficients. Proceedings of the Southeast SAS Users Group.

- Bell-Ellison, B. A., Ferron, J. M., Kromrey, J. D., & Owens, C. M. (2008). Parsimony vs. complexity: A comparison of two-level, three-level, and cross-classified models using Add Health and AHAA data. Proceedings of the Southeast SAS Users Group.
- Cafri, G., Kromrey, J. D., & Brannick, M. (2008). A SAS® macro for statistical power calculations in meta-analysis. Proceedings of the Southeast SAS Users Group.
- Kromrey, J. D., Romano, J., & Hibbard, S. T. (2008). ALPHA\_CI: A SAS® macro for computing confidence intervals for coefficient alpha. Proceedings of the SAS Global Forum.
- Hess, M. R., Hogarty, K. Y., Ferron, J. M. & Kromrey, J. D. (2007). Interval Estimates of Multivariate Effect Sizes: Accuracy and Precision Under Non-normality and Variance Heterogeneity. Educational and Psychological Measurement, *67*, 21 - 40.
- Johnson-Mallard, V., Lengacher, C. A., Kromrey, J. D., Campbell, D. W., Jevitt, C. M., Daley, E., & Schmitt, K. (2007). Increasing knowledge of sexually transmitted infection risk. The Nurse Practitioner, *32*, 26 - 32.
- Bell-Ellison, B. & Kromrey, J. D. (2007). Software alternatives for variance estimation in the analysis of complex sample surveys: A comparison of SAS survey procedures, SUDAAN, and AM. Proceedings of the American Statistical Association, Social Statistics Section [CD-ROM], Alexandria, VA: American Statistical Association
- Bell-Ellison, B. A. & Kromrey, J. D. (2007). Alternatives for analysis of complex sample surveys: A comparison of SAS®, SUDAAN®, and AM® software. Proceedings of SAS Global Forum.
- Kirkman, S. Coughlin, K. & Kromrey, J. (2007). Correlates of satisfaction and success in self directed learning: Relationships with school experience, course format and internet use. International Journal of Self-Directed Learning, *4*, 39 - 52.
- James T. Coraggio, J. T., Kromrey, J. D., Phan, H. T., Romano, J. L., Hess, M. R., Lee, R. S., Hines, C. V., & Luther, S. L. (2007). GLMM\_SIM: A SAS® macro for evaluating the statistical integrity of general linear mixed models. Proceedings of SAS Global Forum.
- Kromrey, J. D. & Coughlin, K. B. (2007). ROBUST\_ES: A SAS® macro for computing robust estimates of effect size. Proceedings of the Southeast SAS Users Group.
- Kromrey, J. D. & Rendina-Gobioff, G. (2006). On knowing what we don't know: An empirical comparison of methods to detect publication bias in meta-analysis. Educational and Psychological Measurement, *66*, 357-373.
- Kromrey, J. D., Hogarty, K. Y. & Onwuegbuzie, A. (2006). The continua of disciplined inquiry: Quantitative, qualitative, and mixed methods. In S. Permuth & R. Mawdsley (Eds.). Research Methods for Studying Legal Issues in Education. Dayton, OH: Education Law Association.
- Kromrey, J. D. & Hogarth, K. Y. (2006). METAPER2: A SAS® macro for permutation tests of linear models in fixed and random effects meta-analyses. Proceedings of the 31<sup>st</sup> Annual SAS Users Group International Conference.

- Kromrey, J. D., Coraggio, J. T., Phan, H. T., Romano, J. L., Hess, M. R., Lee, R. S., Hines, C. V., & Luther, S. L. (2006). MLM\_SIM: A SAS® macro for the statistical investigation of mixed models. Proceedings of the Southeast SAS Users Group.
- Rendina-Gobioff, G. & Kromrey, J. D. (2006). PUB\_BIAS: A SAS® macro for detecting publication bias in meta-analysis. Proceedings of the Southeast SAS Users Group.
- Luther, S. L., Kromrey J. D., Powell-Cope, G., Rosenberg, D., Nelson, A., Ahmed, S., & Quigley, P. (2006). A pilot study to modify the SF-36V physical functioning scale for use with veterans with SCI. Archives of Physical Medicine and Rehabilitation, *87*, 1059-66.
- Loggie, K. A., Barron, A. E., Gulitz, E., Hohlfeld, T., Kromrey, J. D., Venable, M., & Sweeney, P. (2006). An analysis of copyright policies for distance learning materials at major research universities. Journal of Interactive Online Learning, *5*, 224 - 242.
- Kromrey, J. D., Hogarty, K. Y., Hess, M. R., Rendina-Gobioff, G., Hilbelink, A., Lang, T. (2005). A comprehensive system for the evaluation of innovative online instruction at a research university: Foundations, components and effectiveness. Journal of College Teaching and Learning, *2*, 1 - 9.
- Kromrey, J. D. & Hess, M. R. (2005). Interval estimates of R<sup>2</sup>: An empirical investigation of the influence of fallible regressors. Multiple Linear Regression Viewpoints, *31*, 19 - 37.
- Hogarty, K. Y., Hines, C. V., Kromrey, J. D., Ferron, J. M. & Mumford, K. R. (2005). The quality of factor solutions in exploratory factor analysis: The influence of sample size, communalities and overdetermination. Educational and Psychological Measurement, *65*, 202 - 226.
- Borman, K. M., Kersaint, G., Cotner, B., Lee, R., Boydston, T., Uekawa, K., Kromrey, J. D., Katzenmeyer, W., Baber, M. Y. & Barber, J. (2005). Meaningful educational reform: Confronting the learning crisis in mathematics and science. Albany, NY: State University of New York Press.
- Hogarty, K. Y., Kromrey, J. D., Hess, M. R., & Ferron, J. F. (2005). A macro for computing point estimates and confidence intervals for Mahalanobis Distance. Proceedings of the 30<sup>th</sup> Annual SAS Users Group International Conference.
- Hogarty, K. Y., Kromrey, J. D., Ferron, J. M., Hess, M. R., & Hines, C. V. (2005). Robustness in meta-analysis: A macro for computing point estimates and confidence intervals for standardized mean differences and Cliff's delta. Proceedings of the Southeast SAS Users Group.
- Hogarty, K. Y., Kromrey, J. D., Ferron, J. M. & Hines, C. V. (2004). Selection of variables in exploratory factor analysis: An empirical comparison of stepwise and traditional approaches. Psychometrika, *69*, 593 - 611.
- Borman, K. M., Cotner, B., Baber, M. Y., Boydston, T., Katzenmeyer, W., Kersaint, G., Kromrey, J., Lee, R. & Uekawa, K. (2004). Rhetoric versus reality in educational reform: The case of the National Science Foundation's Urban System Initiative. Journal of Educational Change, *5*, 249 - 266.
- Smith, G. F., Kromrey, J. D., Barron, A. E., Carey, L. M., Hogarty, K. Y. & Hess, M. R. (2004). Assessing the pedagogical and technological quality of online courses. Proceedings of the Society for Information Technology and Teacher Education, 1047 - 1054.

- Brockmeier, L. L., Kromrey, J. D. & Hogarty, K. Y. (2003). Nonrandomly missing data in multiple regression analysis: An empirical comparison of ten missing data treatments, Multiple Linear Regression Viewpoints, 29, 8 - 29.
- Hogarty, K. Y. & Kromrey, J. D. (2003). RETR\_PWR: A SAS macro for retrospective statistical power analysis. Behavior Research Methods and Instrumentation, 35, 585-589..
- Kromrey, J. D. & Rendina-Gobioff, G. (2003). An empirical comparison of regression analysis strategies with discrete ordinal variables. Multiple Linear Regression Viewpoints, 29, 30 - 43.
- Ferron, J. M., Foster-Johnson, V. L. & Kromrey, J. D. (2003). The functioning of single-case randomization tests with and without random assignment. Journal of Experimental Education, 71, 267 - 288.
- Kromrey, J. D. & Hogarty, K. Y. (2003). METAPERM: A SAS macro for permutation tests of linear models in meta-analysis. Proceedings of the Southeast SAS Users Group, 570 - 575.
- Hess, M. & Kromrey, J. D. (2003). EFFECT\_CI: A SAS macro for constructing confidence intervals around standardized mean differences. Proceedings of the Southeast SAS Users Group, 523 - 528.
- Hogarty, K. Y. & Kromrey, J. D. (2003). Permutation tests for linear models in meta-analysis: Robustness and power under non-normality and variance heterogeneity. Proceedings of the American Statistical Association, Social Statistics Section [CD-ROM], Alexandria, VA: American Statistical Association.
- Luther, S., Studnicki, J., Kromrey, J., Lomando-Frakes, K., Grant, P. & Finley, G. C. (2003). A method to measure the impact of primary care programs targeted to impact racial and ethnic disparities in health outcomes. Journal of Public Health Management and Practice, 9, 243 - 248.
- Hogarty, K. Y., Lang, T. R. & Kromrey, J. D. (2003). Another look at technology use in classrooms: The development and validation of an instrument to measure teachers' perceptions. Educational and Psychological Measurement, 63, 137-160.
- Ferron, J., Hogarty, K. Y., Hess, M., Romano, J., Kromrey, J. D., Niles, J. D., Dawkins, G. R. & Sentovick, C. (2002). A macro for examining the consequences of error structure misspecifications. Proceedings of the 27<sup>th</sup> Annual SAS Users Group International Conference.
- Kromrey, J. D. & Hogarty, K. Y. (2002). Estimates of variance components in random effects meta-analysis: Sensitivity to violations of normality and variance homogeneity. Proceedings of the American Statistical Association, Social Statistics Section [CD-ROM], Alexandria, VA: American Statistical Association.
- McKinney-Burney, D. & Kromrey, J. D. (2001). Initial development and score validation of the Adolescent Anger Rating Scale. Educational and Psychological Measurement, 61, 446 - 460.
- O'Reilly, L. V., Flaitz, J. & Kromrey, J. D. (2001). Two modes of connecting communicative tasks: Recent findings. Foreign Language Annals, 34, 246 - 257.

- Reed, J. H. & Kromrey, J. D. (2001). Teaching critical thinking in a community college history course: Empirical evidence from infusing Paul's model. College Student Journal, 35, 201 - 215.
- Studnicki, J., Luther, S. L., Kromrey, J. D. & Myers, B. (2001). A minimum data set and empirical model for population health status assessment. American Journal of Preventive Medicine, 20, 40 - 49.
- Blank, W., Hogarty, K. Y., Witte, J. & Kromrey, J. D. (2001). The effectiveness of correspondence study vs. classroom-based instruction for real estate relicensure: An experimental study. Distance Education Online.
- Hogarty, K. Y. & Kromrey, J. D. (2000). Robust effect size estimates and meta-analytic tests of homogeneity. Proceedings of SAS Users' Group International, 1139-1144.
- Hogarty, K. Y. & Kromrey, J. D. (2000). Theory and evidence: An empirical investigation of Meehl's Index of Corroboration. American Statistical Association Proceedings of the Section on Government Statistics and Section on Social Statistics, 260 - 264.
- Kromrey, J. D. & Hogarty, K. Y. (2000). Retrospective power analysis: An empirical comparison of point and interval estimates. Proceedings of the American Statistical Association, Section on Government Statistics and Section on Social Statistics, 265-269 .
- Kromrey, J. D. & Hogarty, K. Y. (2000). Retrospective statistical power analysis: An empirical investigation of point and interval estimation techniques. Multiple Linear Regression Viewpoints, 26 (2), 7 - 14.
- Parshall, C., Harmes, J. C. & Kromrey, J. D. (2000). Item exposure control in computer-adaptive testing: The use of freezing to augment stratification. Florida Journal of Educational Research, 40, 28 - 52.
- Wynn, M. J. & Kromrey, J. D. (2000). Paired peer placement with peer coaching to enhance prospective teachers' professional growth in early field experiences. Action in Teacher Education, 22, 73 - 84.
- Barron, A. E., Hogarty, K. Y., Kromrey, J. D. & Lenkway, P. (1999). An examination of the relationships between student conduct and the number of computers per student in Florida Schools. Journal of Computing in Education, 32, 98-107.
- Kromrey, J. D. & Foster-Johnson, L. (1999). Testing weights in multiple regression analysis: An empirical comparison of protection and control strategies. American Statistical Association Proceedings of the Section on Government Statistics and Section on Social Statistics, 416-421.
- Hogarty, K. Y. & Kromrey, J. D. (1999). Traditional and robust effect size estimates: Power and Type I error control in meta-analytic tests of homogeneity. American Statistical Association Proceedings of the Section on Government Statistics and Section on Social Statistics, 426-431.
- Kromrey, J. D., Parshall, C. G., Chason, W. M. & Yi, Q. (1999). Generating item responses based on multidimensional item response theory. Proceedings of SAS Users' Group International, 1406-1411.
- Hogarty, K. Y. & Kromrey, J. D. (1999). Using SAS to calculate tests of Cliff's Delta. Proceedings of SAS Users' Group International, 1389-1393.

- Hogarty, K. Y., Conley, C. & Kromrey, J. D. (1999). The development and validation of the inquiry beliefs and practices scale. Florida Journal of Educational Research, *39*, 46 - 78.
- Kromrey, J. D. & Foster-Johnson, L. (1999). Statistically differentiating between interaction and nonlinearity in multiple regression analysis: A Monte Carlo investigation of a recommended strategy. Educational and Psychological Measurement, *59*, 392-413.
- LaRocca, M. A. & Kromrey, J. D. (1999). The perception of sexual harassment in higher education: impact of gender and attractiveness. Sex Roles, *40*, 921-940.
- Parshall, C. G., Kromrey, J. D. & Dailey, R. (1999). Comparative performance of three statistical tests of independence for sparse I X J contingency tables. Communications in Statistics: Simulation and Computation, *28*, 275-289.
- Wright, V., Barron, A. E. & Kromrey, J.D. (1999). Preparing students for high-stakes testing in Florida: An interactive website. Florida Journal of Educational Research, *39*, 79 - 94.
- Wynn, M. J. & Kromrey, J. D. (1999). Paired peer placement with peer coaching in early field experiences: results of a four-year study. Teacher Education Quarterly, *26*, 21-38.
- Hogarty, K. Y. & Kromrey, J. D. (1998). Using SAS to calculate tests of Cliff's delta. Proceedings of the Sixth Annual Conference of the Southeast SAS Users' Group, 483-487.
- Kromrey, J. D., Parshall, C. G., Chason, W. M. & Yi, Q. (1998). Generating item responses based on multidimensional item response theory. Proceedings of the Sixth Annual Conference of the Southeast SAS Users' Group, 494-499.
- Kromrey, J. D., Parshall, C. G., Chason, W. M. & Yi, Q. (1998). Modern psychometric theory: Using SAS to calculate IRT ability estimates. Proceedings of the Sixth Annual Conference of the Southeast SAS Users' Group, 500-504.
- Brockmeier, L. L., Kromrey, J. D. & Hines, C. V. (1998). Systematically missing data and multiple regression analysis: An empirical comparison of deletion and imputation techniques. Multiple Linear Regression Viewpoints, *25*, 20-39.
- Bogan, M. B., Easton, S., & Kromrey, J. D. (in press). How to measure the development of environmental literacy. Proceedings of the North American Association for Environmental Education.
- Kromrey, J. D., Laframboise, K.L. & Purdom, D. M. (1998). Are TIP award teachers really expert teachers? Florida Educational Research Journal, *38*, 65-74.
- Nugent, P., Faucette, N. & Kromrey, J. D. (1998). Physical educators' and other majors' experiences in a college of education and their attitudes toward interacting across gender and race. Florida Educational Research Journal, *38*, 49-64.
- Kromrey, J. D. & Hogarty, K. Y. (1998). Analysis options for testing group differences on ordered categorical variables: An empirical investigation of Type I error control and statistical power. Multiple Linear Regression Viewpoints, *25*, 70-82.

- Kromrey, J. D. & Foster-Johnson, L. (1998). Mean centering in moderated multiple regression: Much ado about nothing. Educational and Psychological Measurement, *58*, 42-67.
- Bogan, M. B., Easton, S. E., Kromrey, J. D., McCabe, D. & Fitzgerald, J. (1998). Metacognition in environmental education: A study of the relationship between the manifest and received curriculum. College Student Journal, *32*, 93-111.
- Ferron, J., Yi, Q. & Kromrey, J.D. (1997). NNCORR: A SAS/IML program for generating nonnormal correlated data. Applied Psychological Measurement, *21*, 64.
- Bogan, M. B. & Kromrey, J. D. (1996). Measuring the environmental literacy of high school students. Florida Journal of Educational Research, *36*, 62-70.
- Kromrey, J. D. & Dickinson, W. B. (1996). Detecting unit of analysis problems in nested designs: Statistical power and Type I error rates of the F test for groups- within-treatments effects. Educational and Psychological Measurement, *56*, 215-231.
- Kromrey, J. D. & Foster-Johnson, L. (1996). Determining the efficacy of intervention: The use of effect sizes for data analysis in single-subject research. Journal of Experimental Education, *65*, 73-93.
- Kromrey, J. D. & Hines, C. V. (1996). Estimating the coefficient of cross-validity in multiple regression: A comparison of analytical and empirical methods. Journal of Experimental Education, *64*, 240-266.
- Kromrey, J. D., Hines, C. V., Paul, J., & Rosselli, H. (1996). Creating and using a multiparadigmatic knowledge base for restructuring teacher education in special education: Technical and philosophical issues. Teacher Education in Special Education, *19*, 87-101.
- Kushner, S. N., Carey, L. M. & Kromrey, J. D. (1996). A portrait of school improvement efforts across Florida high schools: A content analysis of 1993-94 Blueprint 2000 school improvement plans. Florida Journal of Educational Research, *36*, 1-22.
- Nugent, P., Faucette, N. & Kromrey, J. D. (1996). Male and female preservice educators' experiences in a college of education and their attitudes toward interacting across gender and race. College Student Journal, *30*, 462-478.
- Parshall, C. G. & Kromrey, J. D. (1996). Tests of independence in contingency tables with small samples: A comparison of statistical power. Educational and Psychological Measurement, *56*, 26-44.
- Street, S., Kimmel, E. & Kromrey, J. D. (1996). Gender role preferences and perceptions of university students, faculty and administrators. Research in Higher Education, *37*, 615-632.
- Arhar, J. M. & Kromrey, J. D. (1995). Interdisciplinary teaming and the demographics of membership: A comparison of student belonging in High SES and Low SES middle-level schools. Research in Middle Level Education Quarterly, *18*, 71-88.
- Hines, C. V. & Kromrey, J. D. (1995). Re-examining research on teacher education: paradigmatic and technical issues. In Paul, J. L., Roselli, H. & Evans, D. (Eds.) Integrating school restructuring and special education reform. Fort Worth: Harcourt Brace.

- Kern, L., Wacker, D., Mace, C., Falk, G., Dunlap, G., & Kromrey, J. (1995). Improving the peer interactions of students with emotional or behavioral disorders through self-evaluation procedures: A component analysis and group application. Journal of Applied Behavior Analysis, 28, 47-59.
- Knoff, H. M., Hines, C. V., & Kromrey, J. D. (1995). Finalizing the supervisor effectiveness scale: An analysis and validation of the characteristics of effective consultants. School Psychology Review, 24, 480-496.
- Kromrey, J. D. & Dickinson, W. B. (1995). The use of an overall F test to control Type I error rates in factorial analyses of variance: Limitations and better strategies. Journal of Applied Behavioral Science, 31, 51-64.
- Kromrey, J. D. & Hines, C. V. (1995). Use of empirical estimates of shrinkage in multiple regression: A caution. Educational and Psychological Measurement, 55, 901-925.
- Kromrey, J. D. & LaRocca, M. (1995). Power and Type I error rates of new pairwise multiple comparison procedures under heterogeneous variances. Journal of Experimental Education, 63, 343-362.
- Kromrey, J. D. & Purdom, D. M. (1995). A comparison of lecture, cooperative learning and programmed instruction at the college level. Studies in Higher Education, 20, 341-349.
- Parshall, C. G., DuBose, P., & Kromrey, J. D. (1995). Equating error and statistical bias in small sample linear equating. Journal of Educational Measurement, 32, 37-54.
- Purdom, D. & Kromrey, J. D. (1995). Adapting cooperative learning to fit college students. College Student Journal, 29, 57-64.
- Street, S. & Kromrey, J. D. (1995). Gender roles and suicidal behavior. Journal of College Student Psychotherapy, 9, 41-56.
- Street, S. Kromrey, J. D., and Kimmel, E. (1995). University faculty gender roles perceptions. Sex Roles, 5/6, 407-422.
- Blair, R. C., Higgins, J. J., Karniski, W., & Kromrey, J. D. (1994). A study of multivariate permutation tests which may replace Hotelling's T<sup>2</sup> test in prescribed circumstances. Multivariate Behavioral Research, 29, 141-163.
- Boudreau, C. & Kromrey, J. D. (1994). A longitudinal study of the retention and academic performance of participants in a freshman orientation course. Journal of College Student Development, 35, 444-449.
- Kromrey, J. D. & Hines, C. V. (1994). Nonrandomly missing data in multiple regression: An empirical comparison of common missing data treatments. Educational and Psychological Measurement, 54, 573-593.
- Street, M. S. & Kromrey, J. D. (1994). Relationship between suicide risk and personality types. Suicide and Life Threatening Behavior, 24, 282-292.

- Homan, S. P., Hines, C. V., & Kromrey, J. D. (1993). An investigation of varying reading level placement on reading achievement of Chapter I students. Reading Research and Instruction, 33, 29-38.
- Kromrey, J. D. (1993). Ethics and data analysis. Educational Researcher, 22, 24-27.
- Street, S. & Kromrey, J. (1993). Differences in adjustment issues for male and female adolescents. Special Services in the Schools, 8, 143-154.
- Street, S., Kromrey, J., Reed, J., & Anton, W. (1993). A phenomenological perspective of problems experienced by high school students. High School Journal, 76, 129-138.
- Griffith, P. L., Klesius, J. P., & Kromrey, J. D. (1992). The effect of phonemic awareness on the literacy development of first grade children in a traditional or a whole language classroom. Journal of Research in Childhood Education, 6, 85-92.
- Kromrey, J. D., Chason, W. M., & Blair, R. C. (1992). PERMUTE: A SAS algorithm for permutation testing. Applied Psychological Measurement, 16, 64.
- Lavelly, C., Berger, N., Blackman, J., Follman, J. & Kromrey, J. (1992). Content validation of teacher subject matter test ratings of knowledge and skill statements by teachers vs. teacher trainers. Educational and Psychological Measurement, 52, 615-622.
- Peterson, D., Kromrey, J., Lewis, A., & Borg, J. (1992). Clinical pedagogy: Defining and measuring the teaching of essential and higher order thinking skills. Journal of Personnel Evaluation in Education, 6, 57-70.
- Lavelly, C., Berger, N., Blackman, J., Bullock, D., Follman, J., Harrison, B. & Kromrey, J. (1991). The routines, the first day of school, and the research. Eastern Kentucky University Educational Review, 15, 1-12.
- Peterson, D., Kromrey, J., and Smith, D. (1991). Research-based teacher evaluation: A response to Scriven. In R. L. Schwab (Ed.) Research-based Teacher Evaluation, Boston: Kluwer.
- Lavelly, C., Blackman, J., Bullock, D., Follman, J., Harrison, B., & Kromrey, J. (1990). Recommended components for a definition of the Master Teacher. Psychological Reports, 66, 99-102.
- Lavelly, C., Blackman, J., Bullock, D., Follman, J., Harrison, B., Kromrey, J., & Shibutani, H. (1990). The master teacher: A descriptive profile, perceived most important characteristics, recommended leadership roles, duties and functions (symposium abstract). Georgia Educational Researcher, 7, 5-6.
- Lavelly, C., Berger, N., Bullock, D., Follman, J., & Kromrey, J. (1990). Roles and duties of lead teachers in career ladder programs. Education, 110, 388-396.
- Peterson, D. & Kromrey, J. (1990). Research-based teacher evaluation: A response to Scriven. Journal of Personnel Evaluation in Education, 4, 7-17.
- Peterson, D., Kromrey, J., Borg, J., & Lewis, A. (1990). Defining and establishing relationships between essential and higher order teaching skills. Journal of Educational Research, 84, 5-12.

Lavelly, C., Berger, N., Bullock, D., Follman, J., & Kromrey, J. (1988). Roles and duties of lead teachers in career ladder programs. Social Science Perspectives Journal, 3, 59-70.

Perez, J., Homan, S., Hines, C., & Kromrey, J. (1987). Reading ability, comprehension and test validity: Effects of three procedures for administering test items. Journal of Educational Research, 81, 116-119.

Peterson, D., Kromrey, J., Micerri, T., & Smith, B. O. (1987). Florida Performance Measurement System: An example of its application. Journal of Educational Research, 80, 141-148.

Hines, C.L., Kromrey, J.D., Swartzman, J.B., Mann, M. & Homan, S.P. (1986). Teacher behavior, task engagement, and achievement: A path analysis. Florida Educational Research Journal, 28, 25-40.

Peterson, D., Kromrey, J., Micerri, T., & Smith, B.O. (1986). Evaluation of a teacher's classroom performance using the Florida Performance Measurement System. Teaching and Teacher Education, 2, 309-314.

## IX. Conference Papers

Romano, J. L., Kromrey, J. D., Owens, C. M., & Scott, H. M. (2009, April). Confidence interval methods for coefficient alpha based on discrete, ordinal response items: Which one, if any, is the best? Paper presented at the annual meeting of the American Educational Research Association, San Diego.

Kromrey, J. D., Fay, R. H., & Bellara, A. P. (2009, April). Adjusting correlation coefficients for measurement error: An empirical investigation of point and interval estimates of disattenuated coefficients. Paper presented at the annual meeting of the American Educational Research Association, San Diego.

Elam, D., Kromrey, J. D., Shaffer, E., Sullivan, J., Hohlfeld, T., & Bellara, A. (2009, April). Assessment of culturally competent practice that impacts student achievement in schools. Paper presented at the annual meeting of the American Educational Research Association, San Diego.

Rendina-Gobioff, G., Kromrey, J. D., & Coughlin, K. (2009, April). The detection of publication bias in meta-analysis: An empirical investigation of fixed, random, and conditionally random models. Paper presented at the annual meeting of the American Educational Research Association, San Diego.

Bell, B. A., Kromrey, J. D., Ferron, J. M., Owens, C. M. (2009, April). Sampling weights in multilevel modeling: An investigation of scaled two-level sampling weights using Add Health and AHA Data. Paper presented at the annual meeting of the American Educational Research Association, San Diego.

Bell, B. A., Ferron, J. M., & Kromrey, J. D. (2009, April). The effect of sparse data structures and model misspecification on point and interval estimates in multilevel models. Paper presented at the annual meeting of the American Educational Research Association, San Diego.

- Bell, B. A., Owens, C. M., Kromrey, J. D., & Ferron, J. M. (2009, March). Parsimony vs. complexity: A Monte Carlo investigation of hierarchical and cross-classified modeling using SAS® PROC MIXED. Paper presented at the annual SAS Global Forum, Washington, D.C.
- Hohlfeld, T. N., Barron, A. E., White, J. A., Kromrey, J. D., & Shaunessy, E. (2008, November). Is the integration of technology related to school level writing achievement? A longitudinal study over four years. Paper presented at the Association of Educational Communication and Technology International Convention, Orlando.
- Kromrey, J. D., Fay, R. H., & Bellara, A. P. (2008, November). Disattenuation of correlation coefficients: An empirical investigation of point and interval estimates. Paper presented at the annual meeting of the Florida Educational Research Association, Orlando.
- Romano, J. L., Kromrey, J. D., Owens, C., & Scott, H. (2008, November). Interval estimates for coefficient alpha based on discrete, ordinal response items: A Monte Carlo study of eight methods proposed in the literature. Paper presented at the annual meeting of the Florida Educational Research Association, Orlando.
- Elam, D., Kromrey, J. D., Shaffer, E., Sullivan, J., Hohlfeld, T., & Bellara, A. (2008, November). Assessment of culturally competent practice that impacts student achievement in schools. Paper presented at the annual meeting of the Florida Educational Research Association, Orlando.
- Rendina-Gobioff, G., Kromrey, J. D., & Coughlin, K. (2008, November). Fixed or random effects, that is the question: The process and impact of model selection on meta-analysis results. Paper presented at the annual meeting of the Florida Educational Research Association, Orlando.
- Hess, M., Ferron, J., Farmer, J., Bellara, A., & Kromrey, (2008, October). Reporting statistical practices in evaluation: Implications of effect sizes and confidence intervals in the interpretation of results. Paper presented at the annual meeting of the American Evaluation Association, Denver.
- Kromrey, J. D., Fay, R., & Bellara, A. P. (2008, October). ATTENUATE: A SAS® macro for computing confidence intervals for disattenuated correlation coefficients. Paper presented at the annual meeting of the Southeast SAS Users Group, St. Petersburg, FL.
- Bell-Ellison, B. A., Ferron, J. M., Kromrey, J. D., & Owens, C. M. (2008, October). Parsimony vs. complexity: A comparison of two-level, three-level, and cross-classified models using Add Health and AHAA data. Paper presented at the annual meeting of the Southeast SAS Users Group, St. Petersburg, FL.
- Cafri, G., Kromrey, J. D., & Brannick, M. (2008, October). A SAS® macro for statistical power calculations in meta-analysis. Paper presented at the annual meeting of the Southeast SAS Users Group, St. Petersburg, FL.
- Coraggio, J. T., Ferron, J., Kromrey, J. D. (2008, October). SS SIM: A SAS macro for evaluating the statistical properties of the standard setting process. Paper presented at the annual meeting of the Southeast SAS Users Group, St. Petersburg, FL.
- Bell-Ellison, B. A., Kromrey, J. D. & Ferron, J. M. (2008, August). Cluster size in multilevel models: The impact of small level-1 units on point and interval estimates in two level

- models. Paper presented at the annual meeting of the American Statistical Association, Denver.
- Bell-Ellison, B. A., Ferron, J. M. & Kromrey, J. D. (2008, March). Schools as moderators of neighborhood influences on adolescent academic achievement: A cross-classified multilevel investigation. Paper presented at the annual meeting of the American Educational Research Association, New York.
- Romano, J. L., Kromrey, J. D., & Hibbard, S. (2008, March). Confidence interval methods for coefficient alpha Monte Carlo study of seven methods proposed in the literature. Paper presented at the annual meeting of the American Educational Research Association, New York.
- Hess, M. R., Ferron, J. M., & Kromrey, J. D. (2008, March). Reporting practices in educational evaluation: An investigation into the use of effect sizes and confidence intervals. Paper presented at the annual meeting of the American Educational Research Association, New York.
- Kromrey, J. D., Romano, J., & Hibbard, S. T. (2008, March). ALPHA\_CI: A SAS® macro for computing confidence intervals for coefficient alpha. Paper presented at the annual SAS Global Forum, San Antonio.
- Bell-Ellison, B. A., Ferron, J. M., & Kromrey, J. D. (2008, February). Listwise deletion vs. subpopulation analysis with complex sample data: An investigation of bias in parameter estimates, standard errors, and hypothesis test results. Paper presented at the annual meeting of the Eastern Educational Research Association, Hilton Head, SC.
- Hess, M. R. & Kromrey, J. D. (2007, November). Adventures in evaluation: Lessons learned starting a new educational evaluation center. Paper presented at the annual meeting of the American Evaluation Association, Baltimore.
- Kromrey, J. D. & Coughlin, K. B. (2007, November). ROBUST\_ES: A SAS® macro for computing robust estimates of effect size. Paper presented at the annual meeting of the Southeast SAS Users Group, Hilton Head, South Carolina.
- Bell-Ellison, B. A., Onwuegbuzie, A. J., Ferron, J. M., Jiao, Q. G., Hibbard, S. T., & Kromrey, J. D. (2007, November). Appropriate use of design effects and sample weights in complex health survey data: A review of articles published using data from Add Health, MTF, and YRBS. Paper presented at the annual meeting of the American Public Health Association, Washington, D. C.
- Bell-Ellison, B. & Kromrey, J. D. (2007, August). Software alternatives for variance estimation in the analysis of complex sample surveys: A comparison of SAS survey procedures, SUDAAN, and AM. Paper presented at the annual meeting of the American Statistical Association, Salt Lake City.
- Romano, J. L., Cummings, K. M., Coraggio, J. T. & Kromrey, J. D. (2007, June). Increasing Intercultural Sensitivity among First-Year Undergraduate Students: A Pilot Study. Paper presented at the annual meeting of the Association for Institutional Research, Kansas City.
- Bell-Ellison, B. A., Phan, H. T., Hibbard, S. T., Hines, C. V., Pride, B., Rendina-Gobioff, G., Wao, J., Hohlfeld, T. N., Hess, M. R., & Kromrey, J. D. (2007, June). Correlates of decision making: Factors

- associated with degree completion and employment. Paper presented at the annual meeting of the Association for Institutional Research, Kansas City.
- Bell-Ellison, B. A. & Kromrey, J. D. (2007, April). Alternatives for Analysis of Complex Sample Surveys: A Comparison of SAS®, Sudaan®, and AM® Software. Paper presented at the Annual SAS Global Forum, Orlando.
- Coraggio, J. T., Kromrey, J. D., Phan, H.T., Romano, J. L., Hess, M. R., Lee, R. S., Hines, C. V., & Luther, S. L. (2007, April). GLMM SIM: A SAS® Macro for Evaluating the Statistical Integrity of General Linear Mixed Models. Paper presented at the Annual SAS Global Forum, Orlando.
- Bell-Ellison, B., Phan, H. T., Hess, M. R., Hines, C. V., Hohlfeld, T. N., Kromrey, J. D., & Rendina-Gobioff (2007, April). Transitions in College and Beyond: Applying Prospect Theory to Investigate Academic Decisions and Career Choices. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Hess, M. R., Phan, H. T., Bell-Ellison, B., Hines, C. V., Hohlfeld, T. N., Kromrey, J. D., & Rendina-Gobioff (2007, April). Application of Prospect Theory to Decision Making in Educational Attainment and Employment: A Secondary Analysis. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Breedlove, C. & Kromrey, J. D. (2007, April). Strategic Planning in a Health Care System: A Case Study of Applied Appreciative Inquiry. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Earl, S., Romano, J., Hohlfeld, T., Andryc, B., Coglein, K., Wao, H., Phan, H., Chavez, T., Helmick, I. & Kromrey, J. (2007, April). Commitments and Practices in Research Ethics: An Empirical Investigation of Doctoral Student Preparation. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Bell-Ellison, B., Phan, H. T., Hess, M. R., Hines, C. V., Hohlfeld, T. N., Kromrey, J. D., & Rendina-Gobioff (2007, February). Application of Prospect Theory to Academic and Employment Decision Making in Science and Engineering: A Secondary Analysis of SESTAT Data. Paper presented at the annual meeting of the Eastern Educational Research Association, Clearwater, FL.
- Kromrey, J.D., Coraggio, J. T., Phan, H.T., Romano, J. L., Hess, M. R., Lee, R. S., Hines, C. V., & Luther, S. L. (2007, April). Fallible Regressors in Multilevel Models: Impact of Measurement Error on Parameter Estimates and Hypothesis Tests. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Rendina-Gobioff, G., Kromrey, J. D., Dedrick, R. F., & Ferron, J. M. (2007, April). Publication Bias in Random Effects Meta-Analysis: Revealing its Impact and Detecting it with Statistical Methods. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Phan, H. T. & Kromrey, J. D. (2007, April). Missing Data in Large-scale Assessments: A Confirmatory Factor Analysis of the TIMSS 2003 Eighth-grade Mathematics Scores. Paper presented at the annual meeting of the American Educational Research Association, Chicago.

- Phan, H. T. & Kromrey, J. D. (2007, April). Validating TIMSS 2003 Eighth-grade Mathematics Scores: The Relationship of Mathematics Scores and Contextual Factors Across Countries. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Ferron, J., Hogarty, K., Dedrick, R., Hess, M., Niles, J., & Kromrey, J. (2007, April). Reporting Results of Multilevel Analyses. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Romano, J. L., Kromrey, J. D., Coraggio, J. T., Skowronek, J., & Devine, L. (2007, April). Square pegs in round holes: Are we using the appropriate statistical methods to evaluate the NSSE and other surveys? Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Romano, J. L. & Kromrey, J. D. (2007, April). What are the consequences if the assumption of independent observations is violated in reliability generalization meta-analysis studies? Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Hines, C. V., Kromrey, J. D., Hess, M. R., Hibbard, S., Rodriguez de Gil, P., & Andryc, B. (2007, April). Preparation of Education Doctoral Students in Research Methods in the United States: A National Survey. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Romano, J. L. & Kromrey, J. D. (2007, April). Reliability generalization meta-analysis study design: investigating the validity when the assumption of independence is violated. FERA Distinguished Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Kromrey, J.D., Coraggio, J. T., Phan, H.T., Romano, J. L., Hess, M. R., Lee, R. S., Hines, C. V., & Luther, S. L. (2007, February). Measurement Error in Multilevel Models: An Empirical Investigation of Type I Error Control and Statistical Power. Paper presented at the annual meeting of the Eastern Educational Research Association, Clearwater, FL.
- Hines, C. V., Kromrey, J. D., Hess, M. R., Hibbard, S., Rodriguez de Gil, P., & Andryc, B. (2007, February). Preparation in Research Methods: A National Survey of Education Doctoral Programs. Paper presented at the annual meeting of the Eastern Educational Research Association, Clearwater, FL.
- Earl, S., Romano, J., Hohlfeld, T., Andryc, B., Coglein, K., Wao, H., Phan, H., Chavez, T., Helmick, I. & Kromrey, J. (2007, February). Doctoral Student Knowledge and Perceptions of Ethical Research Practice: An Empirical Investigation. Paper presented at the annual meeting of the Eastern Educational Research Association, Clearwater, FL.
- Scott, H. M., Hess, M. R., Coraggio, J., Hohlfeld, T., Kromrey, J. D., Chavez, T., & Bane, A. (2007, February). Evaluation of a Children's Festival: Children Learning through Fun and Games. Paper presented at the annual meeting of the Eastern Educational Research Association, Clearwater, FL.
- Romano, J. L., Cummings, K. M., Coraggio, J. T. & Kromrey, J. D. (2007, February). Increasing Intercultural Sensitivity among First-Year Undergraduate Students: A Pilot Study. Paper presented at the annual meeting of the Florida Association for Institutional Research, Cocoa Beach.

- Earl, S., Romano, J., Hohlfeld, T., Andryc, B., Coglein, K., Wao, H., Phan, H., Chavez, T., Helmick, I. & Kromrey, J. (2007, January). Research Ethics and Program Evaluation Standards: How Prepared Are Doctoral Students? An Empirical Investigation. Paper presented at the annual meeting of the Southeast Evaluation Association, Tallahassee.
- Phan, H. T., Bell-Ellison, B., Hess, M. R., Hines, C. V., Hohlfeld, T. N., Kromrey, J. D., & Rendina-Gobioff (2006, November). Correlates of Decision Making: Factors Associated with Degree Completion and Employment. Paper presented at the annual meeting of the Florida Educational Research Association, Jacksonville.
- Earl, S., Romano, J., Hohlfeld, T., Andryc, B., Coglein, K., Wao, H., Phan, H., Chavez, T., Helmick, I. & Kromrey, J. (2006, November). Preparation in Research Ethics among College of Education Doctoral Students: An Empirical Investigation. Paper presented at the annual meeting of the Florida Educational Research Association, Jacksonville.
- Kromrey, J.D., Coraggio, J. T., Phan, H.T., Romano, J. L., Hess, M. R., Lee, R. S., Hines, C. V., & Luther, S. L. (2006, November). The Impact of Measurement Error in Predictor Variables in Multilevel Models: An Empirical Investigation of Statistical Bias and Sampling Error. Paper presented at the annual meeting of the Florida Educational Research Association, Jacksonville.
- Romano, J. L., Kromrey, J. D., Coraggio, J. T., Skowronek, J., & Devine, L. (2006, November). The impact of method choice in the evaluation of national student surveys: what statistic is really best with ordinal level data? Paper presented at the annual meeting of the Florida Educational Research Association, Jacksonville.
- Rendina-Gobioff, G., Kromrey, J. D., Dedrick, R. F., & Ferron, J. M. (2006, November). Detecting Publication Bias in Random Effects Meta-Analysis: An Investigation of the Performance of Statistical Methods. Paper presented at the annual meeting of the Florida Educational Research Association, Jacksonville.
- Romano, J. L. & Kromrey, J. D. (2006, November). Reliability generalization meta- analysis study design: investigating the validity when the assumption of independence is violated. Paper presented at the annual meeting of the Florida Educational Research Association, Jacksonville.
- Kromrey, J.D., Coraggio, J. T., Phan, H.T., Romano, J. L., Hess, M. R., Lee, R. S., Hines, C. V., & Luther, S. L. (2006, October). MLM SIM: A SAS® Macro for the Statistical Investigation of Mixed Models. Paper presented at the annual meeting of the Southeast SAS Users Group, Atlanta.
- Rendina-Gobioff, G. & Kromrey, J. D. (2006, October). PUB BIAS: A SAS® Macro for Detecting Publication Bias in Meta-Analysis. Paper presented at the annual meeting of the Southeast SAS Users Group, Atlanta
- Romano, J. L., Kromrey, J. D., Coraggio, J. T., Skowronek, J., & Devine, L. (2006, October). Exploring methods for evaluating group differences on the NSSE and other surveys: Are the *t*-test and Cohen's *d* indices the most appropriate choices? Paper presented at the annual meeting of the Southern Association for Institutional Research, Arlington, VA.

- Cafri, G., Brannick, M. T., & Kromrey, J. D. (2006, August). Statistical Power in Meta-Analysis, Paper presented at the Annual Meeting of the American Psychological Association, New Orleans.
- Kromrey, J. D., Hess, M. R., Hines, C. V., Vizcain, D., Bell-Ellison, B., Rendina-Gobioff, G., Adkins, L., & Romano, J. (2006, May). Graduate Degrees in Educational Measurement and Evaluation. Paper presented at the Annual Meeting of the Association for Institutional Research, Chicago.
- Kromrey, J. D., Barron, A., Hilbelink, A., Hogarty, K. Y., Loggie, K., Schullo, S. & Sweeney, P. (2006, April). Intellectual Property and Online Courses: An Analysis of Policies at Major Research Universities. American Educational Research Association, San Francisco.
- Dedrick, R., Ferron, J., Hogarty, K., Kromrey, J. D., Hess, M., Niles, J. & Lang, T. (2006, April). Hierarchical Linear Modeling: A review of methodological issues and applications. American Educational Research Association, San Francisco.
- Kirkman, S., Kromrey, J. D., Breedlove, C., Schneider, W. R. & Coughlin, K. (2006, April). A Case Study of Collaborative Learning in Higher Education. American Educational Research Association, San Francisco.
- Lee, R.S., Hanson, M.A., Borman, K. M., Tyson, W. T., Kromrey, J. D., Micceri, T., Boydston, T. & Hess, M. (2006, April). Effects of Math and Science High-School Course Taking on College Outcomes: Race and Sex Differences. American Educational Research Association, San Francisco.
- Kromrey, J. D. & Hogarty, K. Y. (2006, March). METAPERM2: A SAS® Macro for Permutation Tests of Linear Models in Fixed and Random Effects Meta-analyses. SAS Users Group International, San Francisco.
- Kromrey, J. D. & Hogarty, K. Y. (2006, February). Permutation Tests for Linear Models in Random Effects Meta-Analysis: Robustness and Power under Non-normality and Variance Heterogeneity. Eastern Educational Research Association, Hilton Head, South Carolina.
- Hogarty, K. Y. , Kromrey, J. D., Hess, M., Lang, T. & Venable, M. (2006, February). Technology Integration in Teacher Preparation: Development and Implementation of an Assessment System. Eastern Educational Research Association, Hilton Head, South Carolina.
- Kirkman, S., Coughlin, K. & Kromrey, J. D. (2006, February). Correlates of Satisfaction and Success in Self Directed Learning: Relationships with School Experience, Course Format and Internet Use. International Self-Directed Learning Symposium, Cocoa Beach.
- Romano, J., Kromrey, J. D., Coraggio, J., & Skowronek, J. (2006, February). Appropriate statistics for ordinal level data: Should we really be using t-test and Cohen's d for evaluating group differences on the NSSE and other surveys? Paper presented at the annual meeting of the Florida Association of Institutional Research, Cocoa Beach.
- Barron, A. E., Hogarty, K., Hilbelink, A., Venable, M., Carey, L., Feyten, C., Phan, H., Kromrey, J. D., Hess, M., & Lang, T. (2005, November). Laptop Initiative in Preservice Education: Probing the Perspectives of the Participants. Florida Educational Research Association, Miami.

- Hogarty, K. Y., Kromrey, J. D., Ferron, J. M., Hess, M. R., & Hines, C. V. (2005, October). Robustness in Meta-analysis: A Macro for Computing Point Estimates and Confidence Intervals for Standardized Mean Differences and Cliff's Delta. Southeast SAS Users Group, Portsmouth, Virginia.
- Kromrey, J. D., Hogarty, K. Y., Ferron, J. M., Hines, C. V. & Hess, M. R. (2005, August). Robustness in Meta-Analysis: An Empirical Comparison of Point and Interval Estimates of Standardized Mean Differences and Cliff's Delta. Joint Statistical Meetings, Minneapolis.
- Kromrey, J. D., Barron, A., Hilbelink, A., Hogarty, K. Y., Loggie, K., Schullo, S. & Sweeney, P. (2005, June). Intellectual Property and Online Courses: Policies at Major Research Universities. National Education Computing Conference, Philadelphia.
- Hess, M., Hilbelink, A., Hogarty, K. Y., Kromrey, J. D., Phan, H. & Schullo, S. (2005, June). From the Learners' Eyes: Student Evaluation of Online Instruction. National Education Computing Conference, Philadelphia.
- Motika, R. & Kromrey, J. D. (2005, April). Effects of Anchor Item Content Representation on the Accuracy and Precision of Linear Test Equating. Annual meeting of the American Educational Research Association, Montreal.
- Lang, T., Hess, M., Kromrey, J. D., Schullo, S., Hogarty, K., Barron, A., Carey, L. & Venable, M. (2005, April). Practical Guidance for Virtual Endeavors: The Evaluation of Online Instruction at a Research University. Annual meeting of the American Educational Research Association, Montreal.
- Kromrey, J. D., Ferron, J. D., Hess, M. R., Hogarty, K. Y. & Hines, C. V. (2005, April). Robust Inference in Meta-analysis: Comparing Point and Interval Estimates Using Standardized Mean Differences and Cliff's Delta. Annual meeting of the American Educational Research Association, Montreal.
- Hess, M., Kromrey, J. D., Schullo, S., Hogarty, K. & Barron, A. (2005, April). Enhancing Online Courses with Synchronous Software: An Analysis of Strategies and Interactions. Annual meeting of the American Educational Research Association, Montreal.
- Hess, M., Kromrey, J. D., Schullo, S., Hogarty, K. & Barron, A. (2005, April). Evaluation of Online Instruction in a Research University: Establishing an Evaluation Framework and Delineating Lessons Learned. Annual meeting of the American Educational Research Association, Montreal.
- Hess, M., Kromrey, J. D., Schullo, S., Hogarty, K. & Barron, A. (2005, April). Evaluation of Online Instruction at a Research University: Assessment of Processes and Products to Facilitate Development. Annual meeting of the American Educational Research Association, Montreal.
- Rendina-Gobioff, G., Kromrey, J. D., Ferron, J., Dedrick, R., Hines, C. V., Hogarty, K. (2005, April). Web-based Content Support for Learning Statistics: Development and Evaluation of an Electronic Resource. Annual meeting of the American Educational Research Association, Montreal.

- Tyson, W., Lee, R., Tolentino, A., Hanson, M.A., Kromrey, J. D., Micceri, T., & Borman, K. (2005, July). A Multiphasic Approach to Discovering How Scientists Develop Career-Related Interests and Careers. World Multi-conference on Systemics, Cybernetics and Informatics (WMSCI 2005), Orlando.
- Hogarty, K. Y., Kromrey, J. D., Hess, M. R., Schullo, S., Barron, A. E., Hilbelink, A. & Carey, L. M. (2005, March). Student Evaluation of Online Instruction: Development of a Comprehensive System. Society for Information Technology and Teacher Education, Phoenix.
- Barron, A. E., Schullo, S., Kromrey, J. D., Hogarty, K. Y., Venable, M., Hilbelink, A., Barros, C., Loggie, K. & Hohlfeld, T. (2005, March). Synchronous E-Learning: Analyzing Teaching Strategies. Society for Information Technology and Teacher Education, Phoenix
- Schullo, S., Kromrey, J. D., Barron, A. E. & Hogarty, K. (2005, March). Enhancing Online Courses with Synchronous Software: An Analysis of Strategies and Interactions. Annual meeting of the Eastern Educational Research Association, Sarasota, Florida.
- Ferron, J., Onwuegbuzie, A., Kromrey, J., Hines, C., Hogarty, K., Dickinson, W., Hess, M., Scott, H., Hollon, G. L., Dedrick, R., Schneider, W. R., Kwon, N., Ataya, R. & Frank, I. (2005, March). Structural Equation Modeling Across Disciplines: Consistency In Methodology? Annual meeting of the Eastern Educational Research Association, Sarasota, Florida.
- Hogarty, K. Y., Kromrey, J. D., Hess, M. R., & Ferron, J. F. (2005, April). A Macro for Computing Point Estimates and Confidence Intervals for Mahalanobis Distance. SAS Users Group International, Philadelphia.
- Kromrey, J. D., Hogarty, K. Y., Hess, M. R., Rendina-Gobioff, G., Hilbelink, A., Lang, T. (2005, January). A Comprehensive System for the Evaluation of Innovative Online Instruction at a Research University: Foundations, Components and Effectiveness. Paper presented at the College Teaching and Learning Conference, Lake Buena Vista, Florida.
- Hess, M. R., Kromrey, J. D., Lang, T., Hogarty, K. Y. & Phan, H. (2004, November). Evaluating Online Instruction at a Major Research University: Assessment of Processes and Products to Facilitate Development. Paper presented at the annual meeting of the Florida Educational Research Association, Tampa.
- Onwuegbuzie, A. J., Ferron, J. M., Kromrey, J. D., Hines, C. V., Hogarty, K. Y., Hess, M. R., Dickinson, W. B., Scott, H., Hollon, G. L., Dedrick, R. F., Schneider, W. R., Kwon, N., Ataya, R. & Frank, I. (2004, November). Same Old SEM? An Analysis of Trends in the Methodological Literature of Structural Equation Modeling. Paper presented at the annual meeting of the Florida Educational Research Association, Tampa.
- Hess, M., Scott, H. M., Phan, H. & Kromrey, J. D. (2004, November). Evaluating Elementary Science Curriculum and Classroom Practices: Development of a Framework and Initial Findings. Paper presented at the annual meeting of the Florida Educational Research Association, Tampa.
- Cavanaugh, C., Blomeyer, R., Kromrey, J., Hess, M. & Gillan, K. J. (2004, November). The Effects of Distance Education Systems on K-12 Student Outcomes: A Meta-Analysis. Paper presented at the annual meeting of the Florida Educational Research Association, Tampa.

- Hess, M., Carey, L. & Kromrey, J. D. (2004, November). Can Evaluation Facilitate Project Development? The Transition from Judging to Informing. American Evaluation Association, Atlanta.
- Hess, M., Carey, L. & Kromrey, J. D. (2004, November). Graduate Degree Programs Delivered via Distance: Development of a Comprehensive Evaluation Process and Protocol. American Evaluation Association, Atlanta.
- Kromrey, J. D., Hogarty, K. Y., Barron, A. E., Schullo, S., Hilbelink, A., Singh, O. & Venable, M. (2004, November). Innovative Online Instruction at a Research University: Development and Implementation of a Comprehensive Evaluation System. Association for the Advancement of Computing in Education: eLearn 2004, Washington, D. C.
- Schullo, S., Barron, A. E., Kromrey, J. D., Hogarty, K. Y. & Hilbelink, A. (2004, November). A Case Study on the Use of Synchronous Web-based Course Systems in Online Classrooms at a Research University. Association for the Advancement of Computing in Education: eLearn 2004, Washington, D. C.
- Schullo, S., Kromrey, J. D., Barron, A. E., Hogarty, K. Y., Hilbelink, A., & Venable, M. (2004, November). Synchronous Web-based Course Systems to Augment Distance Learning: A Comparison of Two Packaged Programs. Association for the Advancement of Computing in Education: eLearn 2004, Washington, D. C.
- Hogarty, K. Y., Kromrey, J. D., Barron, A. E., Carey, L. M. & Hess, M. R. (2004, June). Development, Delivery, and Effectiveness: Evaluation of Innovative Online Instruction at a Research University. National Educational Computing Conference, New Orleans.
- Hess, M. & Kromrey, J. D. (2004, April). Robust Confidence Intervals for Effect Sizes: A Comparative Study of Cohen's d and Cliff's Delta Under Nonnormality and Heterogeneous Variances. Annual meeting of the American Educational Research Association, San Diego.
- Hess, M. & Kromrey, J. D. (2004, April). An argument for including effect sizes and confidence intervals to enhance the credibility of Educational Research: A qualitative look at quantitative data. Annual meeting of the American Educational Research Association, San Diego.
- Hess, M. & Kromrey, J. D. (2004, April). Effect sizes, significance tests, and confidence intervals: Assessing the influence and impact of research reporting protocol and practice. Annual meeting of the American Educational Research Association, Orlando, San Diego.
- Dedrick, R., Ferron, J., Hogarty, K., Kromrey, J. D., Hess, M., Niles, J. & Lang, T. (2004, April). Hierarchical Linear Modeling: A review of methodological issues and applications. Annual meeting of the American Educational Research Association, San Diego.
- Ferron, J., Kromrey, J. D., Hogarty, K. & Hess, M. (2004, April). An Empirical Comparison of Confidence Interval Methods for Multivariate Effect Sizes: Accuracy and Precision Under Violations of Normality and Variance Homogeneity. Annual meeting of the American Educational Research Association, San Diego.

- Hogarty, K. Y. & Kromrey, J. D. (2004, April). Risky Predictions, Damn Strange Coincidences and Theory Appraisal: A Multivariate Corroboration Index for Path Analysis. Annual meeting of the American Educational Research Association, San Diego.
- Kromrey, J. D. & Rendina-Gobioff, G. (2004, April). On Knowing What We Don't Know: An Empirical Comparison of Methods to Detect Publication Bias in Meta-Analysis. Annual meeting of the American Educational Research Association, San Diego.
- Kromrey, J. D. & Hogarty, K. Y. (2004, April). Estimation of Variance Components in Random Effects Meta-Analysis: Impacts on Inferences About Mean Effect Size Under Nonnormality and Variance Heterogeneity. Annual meeting of the American Educational Research Association, San Diego.
- Romano, J. & Kromrey, J. D. (2004, April). Reliability Generalization: Investigating the validity of inferences when using derived internal consistency estimates of reliability (KR21) to compensate for missing data. Annual meeting of the American Educational Research Association, San Diego.
- Smith, G. F., Kromrey, J. D., Barron, A. E., Carey, L. M., Hogarty, K. Y. & Hess, M. R. (2004, March). Assessing the Pedagogical and Technological Quality of Online Courses. Society for Information Technology and Teacher Education, Atlanta.
- Kromrey, J. D., Phan, H., Hess, M., Subramaniam, C., Carey, L., Hogarty, K., Schullo, S. & Smith, G. (2004, February). A Framework for Evaluation of a Large Scale Technology Innovation Project: Lessons Learned in a Higher Education Initiative. Annual meeting of the Eastern Educational Research Association.
- Hess, M., Kromrey, J. D., Phan, H., Subramaniam, C., Carey, L., Hogarty, K., Schullo, S. & Smith, G. (2004, February). Effective evaluation of online courses in higher education: The development and validation of tools and processes to meet changing needs. Annual meeting of the Eastern Educational Research Association.
- Watson, F., Kromrey, J. D., Ferron, J., Dedrick, R., Hogarty, K. & Lang, T. (2004, February). Anxiety and Attitudes in Graduate Statistics Education: Measuring and Monitoring Change During the Semester. Annual meeting of the Eastern Educational Research Association.
- Kromrey, J. & Hogarty, K. (2004, February). Inferences about Mean Effect Size in Random Effects Meta-Analysis: The Impact of Variance Component Estimator When Assumptions are Tenuous. Annual meeting of the Eastern Educational Research Association.
- Romano, J. & Kromrey, J. D. (2003, November). Reliability Generalization: Investigating the validity using internal consistency estimates of reliability. Annual meeting of the Florida Educational Research Association, Orlando.
- Ferron, J., Hess, M., Hogarty, K. & Kromrey, J. D. (2003, November). Confidence Intervals for Multivariate Effect Sizes: An Empirical Comparison of Methods Under Nonnormality and Heterogeneity of Covariance Matrices. Annual meeting of the Florida Educational Research Association, Orlando.
- Smith G., Kromrey, J. D., Carey, L. & Helmick, I. (2003, November). Assessing Distance Learning: Models And Methods For Student Evaluation Of Online Courses. Annual meeting of the Florida Educational Research Association, Orlando.

- Hess, M. & Kromrey, J. D. (2003, November). Effect sizes, significance tests, and confidence intervals: Assessing the influence and impact of research reporting protocol and practice. Annual meeting of the Florida Educational Research Association, Orlando.
- Kromrey, J. D. & Hogarty, K. Y. (2003, September). METAPERM: A SAS macro for permutation tests of linear models in meta-analysis. Annual meeting of the Southeast SAS Users Group, St. Petersburg.
- Hess, M. & Kromrey, J. D. (2003, September). EFFEFFECT\_CI: A SAS macro for constructing confidence intervals around standardized mean differences. Annual meeting of the Southeast SAS Users Group, St. Petersburg.
- Hogarty, K. Y. & Kromrey, J. D. (2003, August). Permutation tests for linear models in meta-analysis: Robustness and power under non-normality and variance heterogeneity. Annual meeting of the American Statistical Association, San Francisco.
- Mumford, K., Hogarty, K. Y., Ferron, J. M., Kromrey, J. D. & Hines, C. V., & Mumford, K. (2003, April). Factor Retention in Exploratory Factor Analysis: A Comparison of Alternative Methods. Annual meeting of the American Educational Research Association, Chicago.
- Hogarty, K. Y. & Kromrey, J. D. (2003, April). Permutation Tests for Linear Models in Meta-Analysis: Robustness and Power Under Non-normality and Variance Heterogeneity. Annual meeting of the American Educational Research Association, Chicago.
- Watson, F. & Kromrey, J. D. (2003, April). An Assessment Blueprint for EncStat: A Statistics Anxiety Intervention Program. Annual meeting of the American Educational Research Association, Chicago.
- Watson, F. & Kromrey, J. D. (2003, April). Multifaceted Foci: The Antecedents of Statistics Anxiety and Negative Attitudes Toward Statistics. Annual meeting of the American Educational Research Association, Chicago.
- Hess, M. & Kromrey, J. D. (2003, April). Confidence Intervals for Standardized Mean Differences: An Empirical Comparison of Bootstrap Methods Under Non-Normality and Heterogeneous Variances. Annual meeting of the American Educational Research Association, Chicago.
- Hess, M. & Kromrey, J. D. (2003, April). The Message in the Numbers: The Impact of Reporting Research Results as Significance Tests, Effect Sizes, Point Estimates and Interval Estimates. Annual meeting of the American Educational Research Association, Chicago.
- Harmes, J. C., Kromrey, J. D., & Parshall, C. (2003, April). Recalibration of IRT Item Parameters in a CAT: Sparse Data Matrices and Missing Data Treatments. Annual meeting of the National Council for Measurement in Education, Chicago.
- Hogarty, K. Y. & Kromrey, J. D. (2003, February). Linear Models in Meta-Analysis: Robustness and Power of Permutation Tests Under Non-normality and Variance Heterogeneity. Annual meeting of the Eastern Educational Research Association, Hilton Head.

- Watson, F. & Kromrey, J. D. (2003, February). Development and Initial Validation of the Encouraging Statistics Professor Scale. Annual meeting of the Eastern Educational Research Association, Hilton Head.
- Watson, F. & Kromrey, J. D. (2003, February). Toward a Conceptual Model for Statistics Anxiety Intervention. Annual meeting of the Eastern Educational Research Association, Hilton Head.
- Hess, M. & Kromrey, J. D. (2003, February). Confidence Bands for Standardized Mean Differences: A Comparison of Nine Techniques Under Non-normality and Variance Heterogeneity. Annual meeting of the Eastern Educational Research Association, Hilton Head.
- Kromrey, J. D. & Hogarty, K. Y. (2002, November). Permutation Tests for Linear Models in Meta-Analysis: An Empirical Investigation of Type I Error Control and Statistical Power Under Non-normality and Variance Heterogeneity. Annual meeting of the Florida Educational Research Association, Gainesville, FL.
- Harmes, J. C., Parshall, C., & Kromrey, J. D. (2002, November). Sparse Data Matrices and Missing Data Treatment in IRT: An Empirical Investigation of CAT Item Parameter Estimation. Annual meeting of the Florida Educational Research Association, Gainesville, FL.
- Hess, M. & Kromrey, J. D. (2002, November). Variations on the Bootstrap: A Comparison of Confidence Band Coverage for the Standardized Mean Difference. Annual meeting of the Florida Educational Research Association, Gainesville, FL.
- Hess, M. & Kromrey, J. D. (2002, November). Constructing Confidence Bands Around Standardized Mean Differences Under Variance Heterogeneity: An Empirical Comparison of Methods. Annual meeting of the Florida Educational Research Association, Gainesville, FL.
- Hogarty, K. Y., Ferron, J. M., Kromrey, J. D., Hines, C. V., & Mumford, K. (2002, November). Factor Retention in Exploratory Factor Analysis: An Empirical Investigation of the Number of Factors Problem. Annual meeting of the Florida Educational Research Association, Gainesville, FL.
- Watson, F. & Kromrey, J. D. (2002, November). Breaking Ground for EncStat: A Statistics Anxiety Intervention Program. Annual meeting of the Florida Educational Research Association, Gainesville, FL.
- Sweeny, P. C. & Kromrey, J. D. (2002, October). Resources and fair use knowledge of faculty who use online course materials for students. Annual meeting of the International Association for Computer Information Systems, Ft. Lauderdale, Florida.
- Kromrey, J. D. & Hogarty, K. Y. (2002, September). FDR\_TEST: A SAS Macro for Calculating New Methods of Error Control in Multiple Hypothesis Testing. Southeast SAS Users Group, Savannah, Georgia.
- Hogarty, K. Y. & Kromrey, J. D. (2002, August). Estimates of variance components in random effects meta-analysis: Sensitivity to violations of normality and variance homogeneity. American Statistical Association Joint Statistics Meeting, New York.

- Kromrey, J. D., Ferron, J. M., Parshall, C. J., Hogarty, K. Y., Grinnell, L., Hess, M. R., Lee, R., Motika, R., Romano, J. & Sentovick, C. (2002, July). Alignment, Trends and Effects: The Quality of the Representation and Communication of Student Outcomes in Systemic Reform. CREATE National Evaluation Institute, Boise, Idaho.
- Ferron, J., Hogarty, K. Y., Hess, M., Romano, J., Kromrey, J. D., Niles, J. D., Dawkins, G. R. & Sentovick, C. (2002, April). A Macro for Examining the Consequences of Error Structure Misspecifications. SAS Users Group International, Orlando.
- Wright, V., Barron, A. & Kromrey, J. D. (2002, April). High Stakes Testing: A Comparison of Practices Used by Teachers to Aid in Test Preparation. American Educational Research Association, New Orleans.
- Hess, M. & Kromrey, J. D. (2002, April). Interval Estimates of Effect Size: An Empirical Comparison of Methods for Constructing Confidence Bands Around Standardized Mean Differences. American Educational Research Association, New Orleans.
- Hess, M. R. & Kromrey, J. D. (2002, April). Interval Estimates of  $R^2$ : An Empirical Investigation Into the Influence of Fallible Regressors. American Educational Research Association, New Orleans.
- Brockmeier, L., Kromrey, J. D. & Hogarty, K. Y. (2002, April). Missing Data in the Multiple Regression Analysis: A Comparison of Ten Missing Data Treatments. American Educational Research Association, New Orleans.
- Ferron, J. M., Hines, C. V., Hogarty, K. Y., Kromrey, J. D. & Mumford, K. R. (2002, April). Alternative Perspectives on Sample Size in Exploratory Factor Analysis: An Empirical Investigation of the Influence of Community and Overdetermination. American Educational Research Association, New Orleans.
- Hogarty, K. Y. & Kromrey, J. D. (2002, April). Family Wise Errors, False Discovery Rates and Statistical Power: An Empirical Comparison of Multiple Hypothesis Testing Procedures. American Educational Research Association, New Orleans.
- Kromrey, J. D., Ferron, J. M., Parshall, C. J., Hogarty, K. Y., Grinnell, L., Hess, M. R., Lee, R., Motika, R., Romano, J. & Sentovick, C. (2002, April). Evidence of Attainment: A Comparison of Methods for Representing and Communicating Student Outcomes in Systemic Reform. American Educational Research Association, New Orleans.
- Kromrey, J. D. & Hogarty, K. Y. (2002, April). Bias and Sampling Error of Variance Component Estimates in Random Effects Meta-Analysis: An Empirical Comparison Under Heterogeneous Variances and Nonnormality. American Educational Research Association, New Orleans.
- Romano, J. & Kromrey, J. D. (2002, April). The "RG Sausage's" Missing Ingredients: Investigating the Validity of Reliability Generalization Study Design. American Educational Research Association, New Orleans.
- Hines, C. V., Ferron, J. M., Hogarty, K. Y., Kromrey, J. D. & Mumford, K. R. (2002, April). Sample size in exploratory factor analysis: An empirical investigation of factor recovery (FERA Distinguished Paper Award Presentation). American Educational Research Association, New Orleans.

- Lee, R., Borman, K., Kromrey, J. D., Boydston, T., Katzenmeyer, W., & Moriarty, K. O. (2002, April). The NSF Six-Driver Model of Urban Systemic Reform: The Impact of Policy on Student Achievement and Closing the Gap in Four USI Sites. 2002 Invitational Systemic Initiative Workshop, Orlando, FL.
- Hess, M. & Kromrey, J. D. (2002, February). Confidence Intervals for the Standardized Mean Difference: An Empirical Comparison of Methods for Interval Estimation of Effect Sizes. Eastern Educational Research Association, Sarasota.
- Kromrey, J. D. & Hogarty, K. Y. (2002, February). Errors, Discoveries and Statistical Power: An Empirical Comparison of Multiple Hypothesis Testing Procedures. Eastern Educational Research Association, Sarasota.
- Kromrey, J. D., Ferron, J. M., Parshall, C. J., Hogarty, K. Y., Grinnell, L., Hess, M. R., Lee, R., Motika, R., Romano, J. & Sentovick, C. (2002, February). Evidence of Achievement in Systemic Reform: Methodological Alternatives for Analyzing Student Outcomes. Eastern Educational Research Association, Sarasota.
- Lang, T., Hogarty, K. Y. & Kromrey, J. D. (2002, February). Technology Use in School: Factors Affecting Classroom Implementation. Eastern Educational Research Association, Sarasota.
- Hogarty, K. Y. & Kromrey, J. D. (2002, February). What's N Got to Do with it? A Modification of Meehl's Index of Corroboration. Eastern Educational Research Association, Sarasota.
- Wright, V. S., Barron, A. E. & Kromrey, J. D. (2002, February). High Stakes Testing and Student Preparation: Evaluation of an Interactive Website. Eastern Educational Research Association, Sarasota.
- Brockmeier, L. L., Kromrey, J. D. & Hogarty, K. Y. (2001, November). A comparison of ten missing data treatments for nonrandomly missing data in the multiple regression analysis. Florida Educational Research Association, Marco Island, FL.
- Ferron, J. M., Parshall, C. J., Hogarty, K. Y., Kromrey, J. D., Grinnell, L., Hess, M. R., Lee, R., Motika, R., Romano, J. & Sentovick, C. (2001, November). Representing and communicating student outcomes in systemic reform. Florida Educational Research Association, Marco Island, FL.
- Harmes, J. C. & Kromrey, J. D. (2001, November). Online item parameter estimation in computerized adaptive tests: Application of missing data treatments to overcome the effects of sparse data conditions. Florida Educational Research Association, Marco Island, FL.
- Hess, M. R. & Kromrey, J. D. (2001, November). Interval estimates of effect size: An empirical comparison of methods for constructing confidence bands around standardized mean differences. Florida Educational Research Association, Marco Island, FL.
- Hines, C. V., Ferron, J. M., Hogarty, K. Y., Kromrey, J. D. & Mumford, K. R. (2001, November). Sample size in exploratory factor analysis: An empirical investigation of factor recovery. Florida Educational Research Association, Marco Island, FL.

- Hogarty, K. Y. & Kromrey, J. D. (2001, November). Multiple hypothesis testing procedures: An empirical comparison of familywise error rates, false discovery rates and statistical power. Florida Educational Research Association, Marco Island, FL.
- Kromrey, J. D. & Hess, M. R. (2001, November). Interval estimates of  $R^2$ : An empirical investigation into the influence of fallible regressors. Florida Educational Research Association, Marco Island, FL.
- Kromrey, J. D. & Hogarty, K. Y. (2001, November). Estimators of variance components in random effects meta-analysis: An empirical comparison of bias and sampling error under heterogeneous variances and nonnormality. Florida Educational Research Association, Marco Island, FL.
- Lang, T. R., Hogarty, K. Y. & Kromrey, J. D. (2001, November). Technology use in classrooms: An investigation of school related factors. Florida Educational Research Association, Marco Island, FL.
- Romano, J. & Kromrey, J. D. (2001, November). The validity of reliability generalization study design: Examining the "RG Sausage's" missing ingredients. Florida Educational Research Association, Marco Island, FL.
- Wright, V., Barron, A. & Kromrey, J. D. (2001, November). High-Stakes Testing in Florida: Preparing 8<sup>th</sup> Grade Students for the Reading FCAT. Florida Educational Research Association, Marco Island, FL.
- Wright, V., Barron, A. & Kromrey, J. D. (2001, November). Preparing Students For High-Stakes Testing In Florida: An Empirical Evaluation of Interactive Website. Florida Educational Research Association, Marco Island, FL.
- Kromrey, J. D., Parshall, C. G., Ferron, J., Grinnell, L., Hess, M. R., Hogarty, K. Y., Lee, R., Rendina-Gobioff, G., Romano, J. & Sentovich, C. (July, 2001). The contours of evidence: Alternative representations of student outcomes in systemic reform. CREATE National Evaluation Institute, Wilmington, NC.
- Hogarty, K. Y. & Kromrey, J. D. (2001, April). Corroboration and coincidence: The moderating effect of statistical complexity on the relationship between research design factors and Meehl's  $C_i$ . American Educational Research Association, Seattle.
- Hogarty, K. Y. & Kromrey, J. D. (2001, April). We've been reporting some effect sizes: Can you guess what they mean? American Educational Research Association, Seattle.
- Hogarty, K. Y. & Kromrey, J. D. (2001, April). Deus ex machina (again): An empirical investigation of stepwise selection of variables in factor analysis. American Educational Research Association, Seattle.
- Kromrey, J. D. & Hess, M. (2001, April). Interval estimates of  $R^2$ : An empirical comparison of accuracy and precision under violations of the normality assumption. American Educational Research Association, Seattle.

- Kromrey, J. D. & Rendina-Gobioff, G. (2001, April). Discrete ordinal response variables in multiple regression: Toward practical advice on prudent analysis. American Educational Research Association, Seattle.
- Kromrey, J. D. & Romano, J. (2001, April). The influence of influence diagnostics: An empirical investigation of the effects of removing extreme data points. American Educational Research Association, Seattle.
- Kromrey, J. D. & Hess, M. (2001, April). Confidence bands for  $R^2$ : An empirical comparison of accuracy and precision with non-normal populations. American Educational Research Association, Seattle.
- Parshall, C., Kromrey, J. D., Harmes, J. C. & Sentovich, C. (2001, April). A comparison of methods for exposure control in adaptive testing. National Council for Measurement in Education, Seattle.
- Hogarty, K. Y. & Kromrey, J. D. (2001, April). A SAS macro for retrospective statistical power analysis. Annual meeting of SAS Users' Group International, Longbeach.
- Kromrey, J. D., Hogarty, K. Y., Ferron, J., & Hines, C. V. (2001, February). Stepwise variable selection in exploratory factor analysis: An empirical investigation of accuracy and bias. Annual meeting of the Eastern Educational Research Association, Hilton Head.
- Kromrey, J. D. (2000, November). From pipedreams to pipelines: Scholarly publishing and the art of having fun. Florida Educational Research Association, Tallahassee.
- Kromrey, J. D. & Hogarty, K. Y. (2000, November). A comparison of parametric and non-parametric indices of effect size under population non-normality and heterogeneous variances. Florida Educational Research Association, Tallahassee.
- Kromrey, J. D. & Hogarty, K. Y. (2000, November). The nature of technology use in classrooms: The development and validation of an instrument to measure teachers' perceptions. Florida Educational Research Association, Tallahassee.
- Kromrey, J. D. & Hess, M. (2000, November). Interval estimates of  $R^2$ : An empirical comparison of accuracy and precision under violations of the normality assumption. Florida Educational Research Association, Tallahassee.
- Kromrey, J. D., Parshall, C. & Harmes, J. C. (2000, November). Variations on stratification: The use of item freezing to augment the stratified-a exposure control method. Florida Educational Research Association, Tallahassee.
- Kromrey, J. D. & Romano, J. (2000, November). Outliers and influence in regression: An empirical investigation of the effects of removing extreme data points. Florida Educational Research Association, Tallahassee.
- Kromrey, J. D. & Rendina-Gobioff, G. (2000, November). Multiple regression with discrete ordinal variables: An empirical comparison of analysis strategies. Florida Educational Research Association, Tallahassee.

- Bogan, M. B. & Kromrey, J. D. (2000, November). Determining the efficacy of an environmental education program teacher inservice program using multiple data source analyses. Florida Educational Research Association, Tallahassee.
- Brockmeier, L., Kromrey, J. D. & Hines, C. V. (2000, November). Multiple regression with nonrandomly missing data: A comparison of missing data treatments. Florida Educational Research Association, Tallahassee.
- Wright, V., Hogarty, K. Y. & Kromrey, J. D. (2000, November). Preparing 4<sup>th</sup> grade students for the FCAT reading test: A case of trailing technology. Florida Educational Research Association, Tallahassee.
- Kromrey, J. D. & Hogarty, K. Y. (2000, August). Retrospective power analysis: An empirical comparison of point and interval estimates. American Statistical Association Joint Statistical Meetings, Indianapolis.
- Hogarty, K. Y. & Kromrey, J. D. (2000, August). Theory and evidence: An empirical investigation of Meehl's Index of Corroboration. American Statistical Association Joint Statistical Meetings, Indianapolis.
- Parshall, C. G., Kromrey, J. D. & Harmes, J. C. (2000, July). Variations on stratification methods for item exposure control: Effects of suspending selection and sharpening strata. Psychometric Society, Vancouver.
- Borman, K. M., Kromrey, J. D., Katzenmeyer, W. & Della Piana, G. (2000, April). How do standards matter? Linking policy to practice in four cities implementing systemic reform. American Educational Research Association: New Orleans.
- Hogarty, K. Y. & Kromrey, J. D. (2000, April). Risky predictions and damn strange coincidences: An initial consideration of Meehl's Index of Corroboration. American Educational Research Association: New Orleans.
- Kromrey, J. D. & Foster-Johnson, L. (2000, April). Bias, Type I error control and statistical power in multiple regression: An empirical comparison of OLS and Errors-in-Variables regression. American Educational Research Association: New Orleans.
- Kromrey, J. D. & Hogarty, K. Y. (2000, April). Retrospective statistical power analysis: An empirical investigation of point and interval estimation techniques. American Educational Research Association: New Orleans.
- Kromrey, J. D. & Larrimore, C. D. (2000, April). Univariate, multivariate and empirical Bayes approaches to repeated-measures designs: An empirical comparison of Type I error control and statistical power. American Educational Research Association: New Orleans.
- Parshall, C. G., Kromrey, J. D. & Hogarty, K. Y. (2000, April). Sufficient simplicity or comprehensive complexity? A comparison of probabilistic and stratification methods of exposure control. National Council on Measurement in Education: New Orleans.

- Yi, Q. & Kromrey, J. D. (2000, April). Comparison of ability estimation methods in a CAT environment under the presence of nonmodel-fitting responses. American Educational Research Association: New Orleans.
- Hogarty, K. Y. & Kromrey, J. D. (2000, April). Robust effect size estimates and meta-analytic tests of homogeneity. SAS Users' Group International, Indianapolis.
- Barron, A., Kromrey, J. D., Hogarty, K., White, J., Lang, T., Harmes, C., Kemker, K., Calandra, B., Fitzpatrick, J., Raver, R. & Wright, V. (2000, March). Computer use in schools: Development and validation of improved measures. First Annual College of Education School-Based Research and Innovative Practices Forum, Tampa.
- Kromrey, J. D., Barron, A., Hogarty, K., White, J., Lang, T., Harmes, C., Kemker, K., Calandra, B., Fitzpatrick, J., Wright, V. & Burket, R. (2000, March). Preparation for the FCAT 4<sup>th</sup> grade reading test: Practices used by Pinellas County teachers. First Annual College of Education School-Based Research and Innovative Practices Forum, Tampa.
- Haag, A., Lang, T., Kromrey, J. D. & Borman, K. (2000, February). Varsity soccer players fifteen years later: A follow-up study on life course development. Eastern Educational Research Association, Clearwater, Florida.
- McKinnie-Burney, D. & Kromrey, J. D. (2000, February). The Adolescent Anger Rating Scale: Development and initial evidence of validity. Eastern Educational Research Association, Clearwater, Florida.
- Kromrey, J. D. & Hogarty, K. Y. (2000, April). The accuracy of probabilistic hindsight: A comparison of techniques for retrospective statistical power analysis. Eastern Educational Research Association, Clearwater, Florida.
- Hogarty, K. Y. & Kromrey, J. D. (1999, November). Relating theoretical predictions to empirical results: An initial consideration of Meehl's index of corroboration. Florida Educational Research Association, Deerfield Beach, FL.
- Kromrey, J. D. & Hogarty, K. Y. (1999, November). Supporting the nearly null: An empirical comparison of statistical strategies for establishing good-enough group equivalence. Florida Educational Research Association, Deerfield Beach, FL.
- Kromrey, J. D. & Larrimore, C. D. (1999, November). Hypothesis testing in repeated-measures designs: An empirical comparison of univariate, multivariate and empirical Bayes approaches. Florida Educational Research Association, Deerfield Beach, FL.
- Kromrey, J. D., Hogarty, K. Y. & Parshall, C. G. (1999, November). CAT item exposure control: Relative effectiveness of complex and parsimonious strategies. Florida Educational Research Association, Deerfield Beach, FL.
- Yi, Q. & Kromrey, J. D. (1999, November). Comparison of ability estimation methods in a CAT environment under the presence of nonmodel-fitting responses. Florida Educational Research Association, Deerfield Beach, FL.

- Hogarty, K. Y., Kromrey, J. D., Ostrenko, M. Z., LaRocca, M. & Vizcain, D. C. (1999, October). Evidence of experience: Assessing the delivery of liberal arts education through curricular process analysis. Association for General and Liberal Studies, Richmond.
- Kromrey, J. D. & Foster-Johnson, L. (1999, August). Testing weights in multiple regression analysis: An empirical comparison of protection and control strategies. Joint Statistical Meetings (ASA-ENAR-WNAR-IMS-SSC), Baltimore.
- Hogarty, K. Y. & Kromrey, J. D. (1999, August). Traditional and robust effect size estimates: An empirical comparison in meta-analytic tests of homogeneity. Joint Statistical Meetings (ASA-ENAR-WNAR-IMS-SSC), Baltimore.
- Katzenmeyer, W. B., Kromrey, J. D. & Greenbaum, S. (1999, July). Evaluating the National Science Foundation's Urban Systemic Initiative. National Evaluation Institute, Traverse City, Michigan.
- Parshall, C. G., Hogarty, K. Y. & Kromrey, J. D. (1999, June). Item exposure in adaptive tests: An empirical investigation of control strategies. Psychometric Society, Lawrence, Kansas.
- Kromrey, J. D., Parshall, C. G., Chason, W. M. & Yi, Q. (1999, April). Generating item responses based on multidimensional item response theory. SAS Users' Group International, Miami.
- Hogarty, K. Y. & Kromrey, J. D. (1999, April). Using SAS to calculate tests of Cliff's Delta. SAS Users' Group International, Miami.
- Kromrey, J. D., Yi, Q, Parshall, C. G. & Harris, D. (1999, April). The effects of differential weighting on common item equating under conditions of non-representative content and dissimilar group ability. National Council on Measurement in Education, Montreal.
- Kromrey, J. D. & Larrimore, C. D. (1999, April). Meta-analytic tests for homogeneity of effect sizes: An empirical investigation of robustness under non-normality and variance heterogeneity. American Educational Research Association, Montreal.
- Kromrey, J. D. & Hogarty, K. Y. (1999, April). Traditional and robust effect size estimates: An empirical comparison in meta-analytic tests of homogeneity. American Educational Research Association, Montreal.
- Kromrey, J. D., Borman, K. M. & Dickinson, W. (1999, April). Industry perspectives on necessary skills. American Educational Research Association, Montreal.
- Foster-Johnson, L. & Kromrey, J. D. (1999, April). Type I error control in multiple regression analysis: A comparison of alternative procedures. American Educational Research Association, Montreal.
- Ferron, J., Aaron, B. & Kromrey, J. D. (1999, April). The robustness and power of some alternative analyses for single-case data. American Educational Research Association, Montreal.
- Hewitt-Gervais, C. M. & Kromrey, J. D. (1999, April). Analysis strategies for conducting F tests with non-independent observations: An empirical investigation. American Educational Research Association, Montreal.

- Hewitt-Gervais, C. M., Hogarty, K. Y. & Kromrey, J. D. (1999, April). Measuring researchers' beliefs and practices: The development and validation of a practical instrument. American Educational Research Association, Montreal.
- Kromrey, J. D. & Dickinson, W. (1999, February). Ethical decision-making for data analysis: An empirical investigation. Eastern Educational Research Association, Hilton Head, South Carolina.
- Kromrey, J. D. & Foster-Johnson, L. (1999, February). Effect sizes, cause sizes and the interpretation of research results: Confounding effects of score variance on effect size estimates. Eastern Educational Research Association, Hilton Head, South Carolina.
- Kromrey, J. D. & Montilla, J. M. (1999, February). Tests of differences in two population means: A comparison of Type I error rates and statistical power under violations of normality and homogeneity of variance. Eastern Educational Research Association, Hilton Head, South Carolina.
- Kromrey, J. D., Hogarty, K. Y., Larrimore, C. D., Ostrenko, M. Z. & Vizcain, D. C. (1999, February). Assessing undergraduate curricula: Students' and instructors' views of a liberal arts education. Eastern Educational Research Association, Hilton Head, South Carolina.
- Hewitt-Gervais, C., Hogarty, K. Y. & Kromrey, J. D. (1999, February). Measuring beliefs and practices of researchers: The development and validation of an instrument. Eastern Educational Research Association, Hilton Head, South Carolina.
- Kromrey, J. D. & Hogarty, K. Y. (1998, November). Effect size estimates: An empirical study of their robustness in meta-analysis. Annual meeting of the Florida Educational Research Association, Orlando
- Kromrey, J. D. & Larrimore, C. D. (1998, November). The robustness of meta-analytic tests for homogeneity of effect sizes: An empirical investigation. Annual meeting of the Florida Educational Research Association, Orlando
- Ferron, J., Aaron, B. & Kromrey, J. D. (1998, November). An examination of two GLM based methods for analyzing single-case data. Annual meeting of the Florida Educational Research Association, Orlando
- Aaron, B., Kromrey, J. D. & Ferron, J. (1998, November). Equating r-based and d-based effect size indices: Problems with a commonly recommended formula. Annual meeting of the Florida Educational Research Association, Orlando
- Hogarty, K. Y. & Kromrey, J. D. (1998, September). Using SAS to calculate tests of Cliff's delta. Sixth Annual Conference of the Southeast SAS Users' Group, Norfolk, VA.
- Kromrey, J. D., Parshall, C. G., Chason, W. M. & Yi, Q. (1998, September). Generating item responses based on multidimensional item response theory. Sixth Annual Conference of the Southeast SAS Users' Group, Norfolk, VA.

- Kromrey, J. D., Parshall, C. G., Chason, W. M. & Yi, Q. (1998, September). Modern psychometric theory: Using SAS to calculate IRT ability estimates. Sixth Annual Conference of the Southeast SAS Users' Group, Norfolk, VA.
- Ferron, J., Kromrey, J. D. & Lee, R. (1998, April). Permutation tests of equality of variances: An empirical comparison of robustness and statistical power. Annual meeting of the American Educational Research Association, San Diego.
- Kromrey, J. D., Parshall, C. G. & Yi, Q. (1998, April). The effects of content representativeness and differential weighting on test equating: A Monte Carlo study. Annual meeting of the American Educational Research Association, San Diego.
- Kromrey, J. D., Borman, K., Thomas, D. & Dickinson, W. (1998, April). University women and minorities: A case study of organizational supports and impediments for faculty. Annual meeting of the American Educational Research Association, San Diego.
- Kromrey, J. D. & Hogarty, K. Y. (1998, April). Analysis options for testing group differences on ordered categorical variables: An empirical investigation of Type I error control and power. Annual meeting of the American Educational Research Association, San Diego.
- Brockmeier, L., Kromrey, J. D. & Hines, C. V. (1998, April). Missing data treatments for systematically missing data in multiple regression analysis. Annual meeting of the American Educational Research Association, San Diego.
- Dickinson, W. & Kromrey, J. D. (1998, April). All samples of size N are not the same: An empirical inquiry into the four-corners of data for testing moderated multiple regression models. Annual meeting of the American Educational Research Association, San Diego.
- Purdum, D., Laframboise, K. & Kromrey, J. D. (1998, April). Expert Teaching in a college of arts and sciences: An investigation of Sternberg and Horvath's prototype view. Annual meeting of the American Educational Research Association, San Diego.
- Dickinson, W. & Kromrey, J. D. (1998, April). Impact and structure of a knowledge delivery system for advanced graduate education. Annual meeting of the American Educational Research Association, San Diego.
- Ferron, J., Kromrey, J. D. & Foster-Johnson, L. (1998, April). The functioning of single-case randomization tests in the absence of random assignment. Annual meeting of the American Educational Research Association, San Diego.
- Test equating: The effects of differentially weighting nonrepresentative content areas (with C. Parshall & Q. Yi). Annual meeting of the Eastern Educational Research Association, Tampa, 1998.
- The McClelland and Judd approach: Using four corners samples vs. random samples to detect nonlinearity and nonadditivity (with W. Dickinson). Annual meeting of the Eastern Educational Research Association, Tampa, 1998.
- Random regression tests for single-subject data (with B. Aaron). Annual meeting of the Eastern Educational Research Association, Tampa, 1998.

- Are all experts created equal? Looking at expert university teachers across disciplines (with K. Laframboise & D. Purdom). Annual meeting of the Eastern Educational Research Association, Tampa, 1998.
- Paired peer placement with peer coaching to enhance lesson planning, preparation, and presentation in early field experiences (with M. Wynn). Annual meeting of the Eastern Educational Research Association, Tampa, 1998.
- Testing group differences on ordered categorical variables: A Monte Carlo study of four methods (with K. Hogarty). Annual meeting of the Florida Educational Research Association, Orlando, FL, 1997.
- An examination of trends in computer use in Florida schools (with K. Hogarty). Annual meeting of the Florida Educational Research Association, Orlando, FL, 1997.
- Evaluation of parameter estimation under modified IRT models and small samples. (with C. Parshall, W. Chason & Q. Yi). Annual meeting of the Psychometric Society, Gattlinburg, TN, 1997.
- Relative effectiveness of randomization tests for single-subject data (with B. Aaron). Annual meeting of the Psychometric Society, Gattlinburg, TN, 1997.
- The accuracy and precision of parametric and nonparametric item discrimination indices for small samples (with T. Bacon). Annual meeting of the American Educational Research Association, Chicago, 1997.
- Correcting the F test for non-independence of observations: An empirical investigation of a recommended strategy (with C. Hewitt-Gervais). Annual meeting of the American Educational Research Association, Chicago, 1997.
- An empirical comparison of methods for estimating shrinkage of eigenvalues (with R. Lee). Annual meeting of the American Educational Research Association, Chicago, 1997.
- Robustness and power comparisons of ANCOVA and repeated-measures ANOVA for two-group pretest-posttest designs under violations of assumptions (with M. LaRocca). Annual meeting of the American Educational Research Association, Chicago, 1997.
- Statistical bias resulting from the use of variable selection algorithms in discriminant function analysis: What do stepwise built models represent? (with L. Foster-Johnson & Q. Yi). Annual meeting of the American Educational Research Association, Chicago, 1997.
- Testing homogeneity of covariance matrices: The robustness of alternatives to Box's M test (with J. Ferron & Q. Yi). Annual meeting of the American Educational Research Association, Chicago, 1997.
- Evaluation of parameter estimation under modified IRT models and small samples (with C. Parshall, W. Chason & Q. Yi). Annual meeting of the American Educational Research Association, Chicago, 1997.

Using extreme samples to detect nonlinearity and nonadditivity: An investigation of a recommended strategy (with W. Dickinson). Annual meeting of the American Educational Research Association, Chicago, 1997.

Expert teaching in a college of education: An investigation of Sternberg and Horvath's prototype view (with D. Purdom & K. Laframboise). Annual meeting of the American Educational Research Association, Chicago, 1997.

Equity in the social distribution of student engagement, belonging, and intrinsic valuing: A framework for studying middle school restructuring (with J. Arhar). Annual meeting of the American Educational Research Association, Chicago, 1997.

Relative effectiveness of randomization tests for single-subject data (with B. Aaron). Annual meeting of the American Educational Research Association, Chicago, 1997.

Gender identification and the threat to anonymity (with C. Hewitt-Gervais). Annual meeting of the Eastern Educational Research Association, Hilton Head, 1997.

Use of an adjusted F test to correct for nonindependence of observations: An empirical investigation of a recommended strategy (with C. Hewitt-Gervais). Annual meeting of the Eastern Educational Research Association, Hilton Head, 1997.

Teachers of teachers: A prototype of expert teaching (with K. Laframboise & D. Purdom). Annual meeting of the Eastern Educational Research Association, Hilton Head, 1997.

The McClelland and Judd approach: Using four-corners data to detect nonlinearity and nonadditivity (with W. Dickinson). Annual meeting of the Eastern Educational Research Association, Hilton Head, 1997.

What do stepwise-built models in discriminant function represent? An empirical evaluation of statistical bias (with Q. Yi & L. Foster-Johnson). Annual meeting of the Florida Educational Research Association, Gainesville, 1996.

The effect of non-normality and sample size on tests of the equality of covariance matrices (with J. Ferron & Q. Yi). Annual meeting of the Florida Educational Research Association, Gainesville, 1996.

Examining the effectiveness of randomization tests for single-subject data (with B. Aaron & L. Foster-Johnson). Annual meeting of the Florida Educational Research Association, Gainesville, 1996.

Expert teaching in a college of education: An investigation of Sternberg and Horvath's prototype view (with D. Purdom & K. Laframboise). Annual meeting of the Florida Educational Research Association, Gainesville, 1996.

Nonparametric alternatives to traditional item discrimination (with T. Bacon). Annual meeting of the Florida Educational Research Association, Gainesville, 1996.

The relationship between a manifest and received environmental education curriculum (with M. Bogan). Annual meeting of the Florida Educational Research Association, Gainesville, 1996.

- Instructing teachers in higher order thinking: Measuring their learning, retention and classroom applications (with L. Leffler). Annual meeting of the Florida Educational Research Association, Gainesville, 1996.
- Estimating shrinkage in stepwise multiple regression: A comparison of analytical and empirical methods (with C. Hines, C. Parshall, & R. Lee). Annual meeting of the American Educational Research Association, New York, 1996.
- Statistically differentiating between interaction and non-linearity in multiple regression analyses: A Monte Carlo investigation of a recommended strategy (with L. Foster-Johnson). Annual meeting of the American Educational Research Association, New York, 1996.
- Evaluation of the proposed critical values for the generalized t and generalized rank sum procedures using unequal sample sizes (with W. Chason). Annual meeting of the American Educational Research Association, New York, 1996.
- Missing data treatments with nonrandomly missing data for multiple regression analysis (with L. Brockmeier and C. Hines). Annual meeting of the American Educational Research Association, New York, 1996.
- Mean Centering in Moderated Multiple Regression: Much Ado About Nothing (with Lynn Foster-Johnson). Eastern Educational Research Association, Boston, February, 1996.
- Performance and Power: ANCOVA Versus Subclassification on the Propensity Score Under Regression Heterogeneity and Measurement Error (with Wendy Dickinson). Eastern Educational Research Association, Boston, February, 1996.
- Relative Effectiveness of Parametric and Nonparametric Analyses of Single-Subject Data: A Monte Carlo Investigation Under Regression Heterogeneity and Measurement Error (with Bruce Aaron and Lynn Foster-Johnson). Eastern Educational Research Association, Boston, February, 1996.
- Relationship Between Mentoring and Life Satisfaction in Doctoral Education (with Georgianna Sorensen). Eastern Educational Research Association, Boston, February, 1996.
- African American Families with Young Children with Disabilities: Exploring the Variability Within (with Daphne Thomas). Eastern Educational Research Association, Boston, February, 1996.
- A Comparison of Two Regression Procedures Used to Test Single-Case Designs: A Monte Carlo Study (with Isadore Newman, John Fraas, and Al Herbert). Mid-Western Educational Research Association, Chicago, October, 1995.
- A Comparison of the Statistical Power and Type I Error Rate of Subclassification on the Propensity Score and ANCOVA (with Wendy Dickinson). American Educational Research Association, San Francisco, April, 1995.
- Statistical Power and Type I Error Rates of Multiple Comparison Procedures when Fewer than All Possible Contrasts are Tested (with Michela LaRocca). American Educational Research Association, San Francisco, April, 1995.

Comparison of Statistical Tests of Independence for Sparse I X J Contingency Tables (with Cynthia Parsall and Ron Dailey). American Educational Research Association, San Francisco, April, 1995.

A Portrait of School Improvement Efforts Across Florida High Schools: A Content Analysis of 1993 School Improvement Plans (with Susan Kushner and Lou Carey). American Educational Research Association, San Francisco, April, 1995.

The Role of School Membership in Middle School Student Engagement and Achievement (with Joanne Arhar). American Educational Research Association, San Francisco, April, 1995.

Preservice Physical Educators' and Other Majors' Experiences in a College of Education and Their Attitudes Toward Interacting Across Gender and Race (with Peg Nugent and Nell Faucette). American Educational Research Association, San Francisco, April, 1995.

Statistical Power and Type I Error Rates of ANCOVA and Subclassification on the Propensity Score (with Wendy Dickinson). Eastern Educational Research Association, Hilton Head, March, 1995.

The Robustness and Statistical Power of Alternatives to the Two-factor ANOVA Under Heterogeneous Variances and Non-normality (with Lynn Foster-Johnson and Husein M. Taherbhai). Eastern Educational Research Association, Hilton Head, March, 1995.

Within-Group Variability: Caveats and Consequences for Methodologists in Diversity Research. (with Daphne D. Thomas). Research Symposium: Celebrating Diversity Through Research, Tampa, March, 1995.

Preservice Educators: Gender Differences in Experiences and Attitudes. (with Peg Nugent and Nell Faucette). Research Symposium: Celebrating Diversity Through Research, Tampa, March, 1995.

Statistical Consequences of Post Hoc Compression of Likert Scales (with Wendy Dickinson). Florida Educational Research Association, Tampa, November, 1994.

Estimation of Socioeconomic Status: Limitations of the Hollingshead for Diverse Family Structures. (with Daphne Thomas). Florida Educational Research Association, Tampa, November, 1994.

Male and Female Preservice Educators' Experiences in a College of Education and Their Attitudes Toward Interacting Across Gender and Race. (with Peg Nugent and Nell Faucette). Florida Educational Research Association, Tampa, November, 1994.

Representing Florida's diversity by the Year 2000? A comparison of future physical educators' and classroom teachers' personal characteristics and educational choices. (with Nell Faucette and Peg Nugent). Florida Association on Health and Physical Education, Ft. Lauderdale, October, 1994.

How to Measure Environmental Literacy. (with Margaret Bogan and Stanley Easton). North American Association for Environmental Education, Cancun, September, 1994.

The Development of an Instrument for Assessing the Qualities of Teacher Classroom Performance: Implications for Student Learning and Teacher Improvement. (with Constance Hines and Wade Burley). Third Annual National Evaluation Institute, Gatlinburg, Tennessee, July, 1994

Estimating the coefficient of cross-validity in multiple regression: A comparison of analytical and empirical methods. (with Constance Hines). American Educational Research Association, New Orleans, April, 1994.

Detecting unit of analysis problems in nested designs: Statistical power and Type I error rates of the F test for groups-within-treatments effects. (with Wendy Dickinson). American Educational Research Association, New Orleans, April, 1994.

Power and Type I error rates of new pairwise multiple comparison procedures under heterogeneous variances. (with Michela LaRocca). American Educational Research Association, New Orleans, April, 1994.

Effectiveness of imputation procedures and deletion procedures on multiple regression analysis. (with Lantry Brockmeier and Constance Hines). American Educational Research Association, New Orleans, April, 1994.

A comparison of strategies for controlling Type I error rates in factorial analyses of variance. (with Wendy Dickinson). Eastern Educational Research Association, Sarasota, Florida, February, 1994.

Multiple comparison techniques and heterogeneous variances: A comparison of new pairwise procedures. (with Michela LaRocca). Eastern Educational Research Association, Sarasota, Florida, February, 1994.

Some nonstatistical aspects of teaching statistics. Florida Educational Research Association, Destin, Florida, November, 1993.

A comparison of cooperative learning, programmed instruction, and lecture method at the college level. (with Daniel Purdom). Florida Educational Research Association, Destin, Florida, November, 1993.

An analysis of the statistical consequences associated with reducing a continuous variable(s) to categorical form in order to conduct a chi-square or OVA analysis. (with Dwight Newsome). Florida Educational Research Association, Destin, Florida, November, 1993.

Unit of analysis violations: Statistical power and Type I error rates of the F test for groups-within-treatments effects. (with Wendy Dickinson). Florida Educational Research Association, Destin, Florida, November, 1993.

A comparison of the power of statistical tests of independence in contingency tables with small samples. (with Cynthia Parshall). Midwest Educational Research Association, Chicago, October, 1993.

A comparison of the accuracy of analytical and empirical estimates of shrinkage in multiple regression. (with Constance Hines). American Educational Research Association, Atlanta, April, 1993.

A comparison of the power of statistical tests of differences in correlated correlation coefficients. (with Ronald Dailey). American Educational Research Association, Atlanta, April, 1993.

Treatments for missing data in multiple regression: stochastic imputation, deterministic imputation, and the deletion procedures. (with Lantry Brockmeier and Constance Hines). American Educational Research Association, Atlanta, April, 1993.

Computer testing vs. paper-and-pencil testing: An analysis of examinee characteristics associated with mode effects on the GRE general test. (with Cynthia Parshall). American Educational Research Association, Atlanta, April, 1993.

Rasch DIF detection: Stability of performance under differing numbers of replications. (with Cynthia Parshall and Richard Smith). American Educational Research Association, Atlanta, April, 1993.

An empirical investigation of equating stability in a single and a double linkage design with small sample sizes using Angoff model IV. (with Pansy DuBose). American Educational Research Association, Atlanta, April, 1993.

Interdisciplinary teaming in the middle level school: Creating a sense of belonging for at-risk middle level students. (with Joanne Arhar). American Educational Research Association, Atlanta, April, 1993.

A comparison of four empirical methods in the estimation of shrinkage of the multiple correlation coefficient (with Constance Hines). Eastern Educational Research Association Annual Meeting, Clearwater, 1993.

The demographics of membership: The effects of student demographic characteristics and school demographic characteristics on the social bonding of middle-level students (with Joanne Arhar). Eastern Educational Research Association Annual Meeting, Clearwater, 1993.

The effects of school organization on the social bonding of middle level students (with Joanne Arhar). Eastern Educational Research Association Annual Meeting, Clearwater, 1993.

What's the difference? A look at some relationships between perception, affinity for diversity, and the concept of multicultural education (with Nancy Greenman). Society for Applied Anthropology Annual Meeting, San Antonio, Texas, 1993.

PERMUTE: A SAS Algorithm for permutation testing (with Walter Chason and Cliff Blair). Southeast SAS Users Group Annual Conference, St. Petersburg, FL, 1993.

Missing data treatments for multiple regression: Imputation procedures vs. the deletion procedures (with Lantry Brockmeier and Constance Hines). Florida Educational Research Association Annual Meeting, Orlando, 1992.

Ethics and data analysis. Eastern Educational Research Association Annual Meeting, Hilton Head, South Carolina, 1992.

Assessment of the reliability of holistic scoring of foreign language and speech performance examinations (with Donna Bullock). National Council on Measurement in Education Annual Meeting, San Francisco, 1992.

Correlates of candidates' performance on a math (6-12) teacher certification examination (with Pansy DuBose). American Educational Research Association Annual Meeting, San Francisco, 1992.

Common item linear equating in small samples of examinees: An empirical comparison of sample size effects (with Pansy DuBose and Cynthia Parshall). American Educational Research Association Annual Meeting, San Francisco, 1992.

Item analysis of achievement tests based on small numbers of examinees (with Betina Bacon). American Educational Research Association Annual Meeting, San Francisco, 1992.

Comparison of different instructor intervention strategies in cooperative learning groups at the college level (with Dan Purdom). American Educational Research Association Annual Meeting, San Francisco, 1992.

Performance of statistical indices of test item bias in small samples of examinees (with Cynthia Parshall). American Educational Research Association Annual Meeting, San Francisco, 1992.

A comparison of the power of five multivariate permutation tests relative to Hotelling's T-squared in small sample situations (with Cliff Blair). American Educational Research Association Annual Meeting, San Francisco, 1992.

Randomly missing data in multiple regression: An empirical comparison of the effectiveness of common missing data treatments (with Constance Hines), Eastern Educational Research Association Annual Meeting, Boston, 1991.

Toward establishing relationships between essential and higher order teaching skills (with Donovan Peterson), Eastern Educational Research Association Annual Meeting, Boston, 1991.

Using multiple choice examination items to measure teachers' content-specific pedagogical knowledge (with Donata Renfrow), Eastern Educational Research Association Annual Meeting, Boston, 1991.

Power Properties of Multivariate Permutation Tests Relative to Hotelling's T-Squared in Small Samples (with R. Clifford Blair), Florida Educational Research Association Annual Meeting, Clearwater Beach, 1991.

A Comparison of Different Instructor Intervention Strategies in Cooperative Learning Groups at the College Level (with Daniel Purdom), Florida Educational Research Association Annual Meeting, Clearwater Beach, 1991.

Screening for Bias: An Empirical Comparison of the Performance of Three Indices in Small Samples of Examinees (with Cynthia Parshall), Florida Educational Research Association Annual Meeting, Clearwater Beach, 1991.

Small Sample Item Analysis: Statistical Bias and Sampling Errors (with Bettina Bacon), Florida Educational Research Association Annual Meeting, Clearwater Beach, 1991.

Statistical Error in Linear Equating with Small Samples of Examinees (with Cynthia Parshall and Pansy DuBose), Florida Educational Research Association Annual Meeting, Clearwater Beach, 1991.

The Measurement of Content-Specific Pedagogical Knowledge: Psychometric Issues Regarding Items and Tests (with Pansy DuBose), National Council on Measurement in Education Annual Meeting, Chicago, 1991

Descriptions and Uses of Content-Specific Pedagogical Items (with Donata Renfrow), National Council on Measurement in Education Annual Meeting, Boston, 1990.

The Effects of Systematically Missing Data in the Two Predictor Regression Problem (with Constance Hines), American Educational Research Association Annual Meeting, Boston, 1990.

Nonrandomly Missing Data in Multiple Regression: An Empirical Examination of the Effectiveness of Common Missing Data Treatments (with Constance Hines), Florida Educational Research Association, Deerfield Beach, 1990.

The Most Important Characteristics of Master Teachers: Perceptions of Participants in Florida's Master Teacher Program (with Carolyn Lavelly), Georgia Educational Research Association Annual Meeting, Atlanta, 1989.

Leadership Roles of Master Teachers: Perceptions of Participants in Florida's Master Teacher Program (with Carolyn Lavelly), Georgia Educational Research Association Annual Meeting, Atlanta, 1989.

Content Validation of Teacher Subject Matter Test Ratings of Knowledge and Skill Statements by Teachers vs. Teacher Trainers (with Carolyn Lavelly), American Educational Research Association Annual Meeting, San Francisco, 1989.

Content Validity of Teacher Subject Matter Knowledge Testing for Initial Certification and Career Achievement (symposium), Florida Educational Research Association Annual Meeting, Sarasota, 1988.

Factor Analysis of Importance of Teacher Initial Certification Test Competency Ratings by Practicing Florida Teachers (with Carolyn Lavelly), Georgia Educational Research Association Annual Meeting, Atlanta, 1988.

The Role and Process of External Validation in the Development of Florida Subject Area Teacher Tests (with Carolyn Lavelly), Florida Educational Research Association Annual Meeting, Jacksonville, 1987.

Teacher Evaluation for Advancement or Retention: Issues and Application (with Donovan Peterson), Georgia State University conference on issues in certification, advancement, and instruction, Atlanta, 1986.

A Descriptive Profile of the Florida Associate Master Teacher (with Carolyn Lavelly), Florida Educational Research Association Annual Meeting, Tampa, 1986.

## **X. Technical Reports**

The Effects of Distance Education on K – 12 Student Outcomes: A Meta-Analysis. (October, 2004). Technical report submitted to Learning Point Associates, Naperville, IL. (with C. Cavanaugh, K. J. Gillian, M. Hess, and R. Blomeyer).

Quality Enhancement Plan: Background Data Collection and Analysis. (May, 2004). Report to the Office of the Provost, University of South Florida. (with M. Hess, F. Watson, J. Ferron, and L. Carey).

USF Liberal Arts Curriculum Study: Interim Report. (August, 1998) Report to the Dean of Undergraduate Studies and the General Education Council.

Establishing Comparable Passing Scores on the FTCE Subject Area Tests: Report on a Meeting of the Ad Hoc Advisory Committee. (1997) Report submitted to the Florida Department of Education, Tallahassee, Florida.

A Review of the Knowledge Base of the Florida Performance Measurement System in Consideration of the Blueprint 2000 Teacher Accomplished Practices. (1997) Report submitted to the Florida Department of Education, Tallahassee, Florida.

Detecting Unit of Analysis Problems in Nested Designs: Statistical Power and Type I Error Rates of the F Test For Groups-Within-Treatment Effects. (1993) Report to the Division of Sponsored Research, University of South Florida Research and Creative Scholarship Grant Program.

Quality of Student Life at the University of South Florida. (1992) Report to the Institute on Black Life, University of South Florida. (with M.L. Moore, A. Smith, L. Morehouse, and R. Wheeler)

The evaluation of item bias in small samples of examinees. (1991) Report submitted to the Florida Department of Education, Tallahassee, Florida, and the Institute for Instructional Research and Practice, University of South Florida.

Recommendations for item analysis of achievement tests when the number of examinees is small. (1991). Report submitted to the Florida Department of Education, Tallahassee, Florida, and the Institute for Instructional Research and Practice, University of South Florida.

A Report on FPMS Trainer Performance. (1990) Report submitted to the State of Florida Department of Education, Tallahassee, Florida.

TEAC Computer Programs for FPMS Observer Certification. (1990) Report submitted to the State of Florida Department of Education, Tallahassee, Florida.

Teacher Evaluation and Assessment Center: Final Report 1988-1989. Report submitted to the State of Florida Department of Education, Tallahassee, Florida. (with Donovan Peterson)

A Report on FPMS Trainer Performance. (1989) Report submitted to the State of Florida Department of Education, Tallahassee, Florida.

Teacher Evaluation and Assessment Center: Final Report 1987-1988. Report submitted to the State of Florida Department of Education, Tallahassee, Florida. (with Donovan Peterson)

Initial Certification and Career Achievement Program Phase III: Examination Assembly and Development of Expanded Item Pools. Final Report (1988) Report submitted to the State of Florida Department of Education, Tallahassee, Florida. (with Carolyn Lavelly)

Teacher Evaluation and Assessment Center: Final Report 1986-1987. Report submitted to the State of Florida Department of Education, Tallahassee, Florida. (with Donovan Peterson)

Teacher Evaluation Study: FPMS Validity Studies, Revision of Essential Domain 4 Knowledge Base Higher Order Thinking Skills: Domains 5.0 and 6.0. (1987) Report submitted to the State of Florida Department of Education, Tallahassee, Florida. (with Donovan Peterson)

Initial Certification and Career Achievement Program Phase I: Competency, Skill, and Item Specification Development. Final Report (1987) Report submitted to the State of Florida Department of Education, Tallahassee, Florida. (with Carolyn Lavelly)

Initial Certification and Career Achievement Program Phase II: Development, Pilot Testing, and Validation of Test Items. Final Report (1987) Report submitted to the State of Florida Department of Education, Tallahassee, Florida. (with Carolyn Lavelly)

## **XI. Manuscripts Under Review for Publication**

Pitt Barnes, S., McCormack Brown, K., McDermott, R. J., Bryant, C. A., Kromrey, J. D., & Carey, L. (2007). Perceived parenting style and the eating practices of college freshmen. Manuscript submitted for publication.

Bell-Ellison, B. A., Phan, H. T., Hibbard, S. T., Hines, C. V., Pride, B., Rendina-Gobioff, G., Wao, J., Hohlfeld, T. N., Hess, M. R., & Kromrey, J. D. (2007). Correlates of decision making: Application of Prospect Theory to models of baccalaureate degree completion. Manuscript submitted for publication.

Bell-Ellison, B. A., Onwuegbuzie, A. J., Ferron, J. M., Jiao, Q. G., Hibbard, S. T., & Kromrey, J. D. (2007). Use of design effects and sample weights in complex health survey data: A review of articles published using data from Add Health, MTF, and YRBS. Manuscript submitted for publication.

Barron, A. E., Hogarty, K., Hilbelink, A., Venable, M., Carey, L., Feyten, C. Phan, H., Kromrey, J. D., Hess, M. & Lang, T. (2006). Laptop Initiative in Preservice Education: Implementation and Evaluation. Manuscript submitted for publication.

Loggie, K., Kromrey, J., Barron, A., Hohlfeld, T., Gulitz, E., Venable, M., Sweeney, P. & Bennouna, S. (2006). Intellectual Property and Online Courses: Policies at Major Research Universities. Manuscript submitted for publication.

## **XII. Conference Papers Accepted for Presentation**

Bell, B. A., Ferron, J. M., & Kromrey, J. D. (2009, August). Missing data and complex samples: The impact of listwise deletion vs. subpopulation analysis on statistical bias and hypothesis test results when

data are MCAR and MAR. Paper to be presented at the annual meeting of the American Statistical Association, Washington, D.C.

### **XIII. Conference Paper Proposals Under Review**

Bell, B. A., Morgan, G. B., Schoeneberger, J. A., Ferron, J. M., & Kromrey, J. D. (2009, October). MIXED\_DX: A SAS® macro for two-level linear model diagnostics. Paper to be presented at the annual meeting of the Southeast SAS Users Group, Birmingham.

### **XIV. Additional Research in Progress**

Use of Generalized Estimating Equations in longitudinal analyses with missing data

Validation of revised SF36 instrument for use with spinal cord injured patients

Robustness properties of tests for differences in parametric and non-parametric estimates of effect size.

Effects of measurement error in predictors in hierarchical linear modeling

### **XV. Supervision of Dissertation Research of Doctoral Students**

Served as major/co-major professor for the following students who have received doctoral degrees:

Bruce Aaron, The Relative Effectiveness of Randomization Tests: The Effects of Autocorrelation, Model Specification, and Randomization Procedures on Significance Tests for Single Subject Data. 1998.

Lisa Aaron, A Comparison of Type I Error and Power in Tests of Homogeneity in Meta-analysis, 2003.

Bettina Bacon, An Empirical Investigation into the Accuracy and Precision of Parametric and Non-Parametric Item Discrimination Indices for Small Samples. 1996.

Jan Brady, The Relationship Between Intolerance of Ambiguity in Alcoholism Treatment Providers and Relative Adherence to the Disease or Psychosocial Models of Alcoholism. 1993.

Lantry Brockmeier, Missing Data Treatments and Multiple Regression: An Empirical Investigation of Stochastic Imputation, Deterministic Imputation, and the Deletion Procedures. 1992.

Christopher Capsembelis, Construction and Validation of a Police Applicant Examination for Law Enforcement Agencies, 1998.

Pansy Dubose, The Accuracy and Precision of Linear Equating in Small Samples When Examinee Groups Differ in Ability. 1993.

- Janet I. Greenwood, An Investigation of the Validity of a Multivariate Career Decision-Making Model, 2003.
- Patricia Johnston, The Conceptualization and Measurement of Collegiality in Universities: Development and Initial Validation. 2002.
- J. Christine Harmes, Accuracy and Stability of Item Parameter Estimates Under Conditions of Sparse Data: Implications for Computerized Adaptive Testing. 2002.
- Melinda R. Hess, Effect Sizes, Significance Tests, and Confidence Intervals: Assessing the Influence and Impact of Research Reporting Protocol and Practice, 2003.
- Cynthia Hewitt-Gervais, What's In A Word: A Comparison of Qualitative and Quantitative Analysis of Narrative Data. 1997.
- Kristine Y. Hogarty, Risky Predictions, Damn Strange Coincidences, and Theory Appraisal: A Multivariate Corroboration Index for the Path Analytic Model, 2003
- Roseanne MacGregor, Beginning Teachers in Florida's Public Schools: Perceptions of Success in the Florida Essential Generic Teaching Competencies and Job Satisfaction, 1995.
- Mirella Mele, Meta-cognitive Awareness Training and Anxiety in Language Learning, 2001.
- Josefa M. Montilla, The Construct Validation of an Instrument Based on Students' University Choice and their Perceptions of Professor Effectiveness and Academic Reputation at the University of Los Andes, 2004.
- Robert T. Motika, Effects of Anchor Item Content Representation on the Accuracy and Precision of Small Sample Linear Test Equating, 2003.
- Karen R. Mumford, The Stress Response, Psychoeducational Interventions and Assisted Reproduction Technology Treatment Outcomes: A Meta-Analytic Review. 2004.
- Dwight Newsome, The Impact of Missing Data Treatment in a Multiple Regression Analysis: A Monte Carlo Comparison of Deterministic Imputation, Stochastic Imputation, Multiple Imputation, and the Deletion Procedures. 1996.
- Peg Nugent, Preadolescent Females' Physical Lives During a Longitudinal School-based Public Health Intervention: A Qualitative Analysis. 1995.
- Cynthia Parshall, Computer Testing versus Paper-and-Pencil Testing: An Analysis of Examinee Characteristic Associated with Mode Effects on the GRE General Test. 1992.
- Mary Porta, The Professional Contributions, Critical Incidents, and Mentoring Relationships of One Exemplary Female Senior Scholar: A Qualitative Case Study. 1997.
- Gianna Rendina-Gobioff, Detecting Publication Bias in Random Effects Meta-analysis: An Empirical Comparison of Statistical Methods. 2006.

Hiro Shibutani, Item Bias Detection in Very Small Samples: A Comparison of Three Indices Based on Transformed Item Difficulty. 1994.

Gwen Smith, Validation of a Measure of Effective Schools, 2005.

Kristen Snyder, A Construct Validity and Reliability Estimation of the Educational Quality Benchmark System. 1997.

Georgianna Sorenson, The Relationship Between Mentoring and Life Satisfaction in Doctoral Education, 1995.

Husein Taherbai, Comparison of Techniques for Item Bias Assessment, 1998.

JoAnn Tibbs, Personality Types, Online Searching Styles, and Search Outcomes of Health Sciences Online Search Specialists. 1996.

Gail Van Etten, Major Challenges, Coping Strategies and Support Systems Concerning AIDS and Ethnicity. 1995.

Deril Wood, Academic Achievement of Eighth-Grade Minority Students: Path Analyses of Asian, Hispanic and Black Eighth-Graders. 1993.

Qing Yi, A Comparison of Three Ability Estimation Procedures for Computerized Adaptive Testing in the Presence of Nonmodel-Fitting Responses Resulting from a Compromised Item Pool, 1998.

In addition, I have been a member of dissertation committees for 103 completed dissertations and 20 completed Ed.S. theses. On these committees, I served as the design, measurement, and statistics advisor.

## **XVI. Professional Service Activities**

### A. Editorial Activities

Editor, Florida Journal of Educational Research, 2000 - present

Executive Editor, Journal of Experimental Education, 2004 - present.

Member of Editorial Board, Review of Educational Research, 2003 - present.

Member of Editorial Board, Educational and Psychological Measurement, 1995-present.

Associate Editor, Review of Educational Research, 1998 - 2002.

Member of Editorial Board, Journal of Experimental Education, 1996 - 2004.

Additionally, I have served as a paper reviewer for American Educational Research Journal, Journal of Early Intervention, Psychological Methods, and the Florida Educational Research Journal.

#### B. Leadership Positions

Co-chair, Statistics and Data Analysis Section, Southeast SAS Users Group, 2008.

Chair, Distinguished Paper Awards Committee, Florida Educational Research Association, 1992.

Chair, Paper Review Committee, Florida Educational Research Association, 1994, 1995, 1996.

Program Chair, American Educational Research Association, Multiple Linear Regression/General Linear Models Special Interest Group, 1997.

#### C. National/State Councils

Member of Technical Advisory Committee, Florida Department of Education, 1993 - present.

Member of Board of Directors, Florida Educational Research Association, 1993 - 1996.

#### D. University Councils

Member of Research Committee, Institute on Black Life, University of South Florida, 1990 - present.

Member of Misconduct in Research Investigation Panel, University of South Florida, 1995-1996, 1998.

Member of Research Council, University of South Florida, 1993 - 1996.

Member of Graduate Council, University of South Florida, 1997 - 2000.

Member of Student Affairs Advisory Committee, College of Education, University of South Florida, 1990 - 1992.

Member of Advanced Graduate Policy Committee, College of Education, University of South Florida, 1992 - 1995, 1997 - 2000.

Member of Tenure and Promotion Committee, College of Education, University of South Florida, 1999 - 2000, 2001 - 2002, 2008 - 2009.

Departmental representative to College of Education Faculty Council, University of South Florida, 2000-2002.

Departmental representative to Graduate Policy Committee, College of Education, University of South Florida, 2002 - 2004, 2007 - present.