

David A. Walker, Ph.D.

- Associate Dean for Academic Affairs, College of Education
- Professor of Educational Technology, Research, and Assessment
- Lagomarcino Laureate
- Alumni Achievement

Northern Illinois University
College of Education
316 Graham Hall
DeKalb, IL 60115
815-753-7886
dawalker@niu.edu

ACADEMIC DEGREES

- Ph.D. - Iowa State University of Science and Technology
- M.A. - Iowa State University of Science and Technology
- B.A. - St. Olaf College

UNIVERSITY POSITIONS

- 2016 – Present: Associate Dean for Academic Affairs, College of Education, Northern Illinois University
- 2012 – Present: Professor, Department of Educational Technology, Research, and Assessment, Northern Illinois University
- 2006 – 2012: Associate Professor, Department of Educational Technology, Research, and Assessment, Northern Illinois University
- 2006 – 2011: Coordinator of Assessment, College of Education, Northern Illinois University
- 2003 – 2006: Assistant Professor, Department of Educational Technology, Research, and Assessment, Northern Illinois University
- 2000 – 2003: Assistant Professor, Department of Educational Technology and Research, Florida Atlantic University
- 1999 – 2000: Post-Doctorate, Research Institute for Studies in Education, Iowa State University of Science and Technology

SCHOLARSHIP

REFEREED JOURNAL PUBLICATIONS

1. Conderman, G., Baker, S., & **Walker, D. A.** (2023). Special education student teachers' reflections on skills and observed practices. *The Clearing House: A Journal of Educational Strategies, Issues and Ideas*, 96(1), 1-10.
doi:10.1080/00098655.2022.2128285
2. Parker-Barnes, L. Degges-White, S., & **Walker, D. A.**, Wickman, S., Linneman, B., Rowley, C., Giansante, R., & McKillip, N. (2023). From exploration of classism to anticlassist counseling: Implications for counselors and counselor educators. *Journal of Counselor Preparation and Supervision*, 17(1), 1-23.
3. Andzik, N. R., Conderman, G., **Walker, D. A.**, & Koehler, K. (2022). Navigating an undergraduate teacher licensure program as a non-traditional student. *Mid-Western Educational Researcher*, 34(4), 395-411.
4. Moore, Q. T., **Walker, D. A.**, Frush, D. P., Daniel, M., & Pavkov, T. W. (2022). Intrapersonal and institutional influences on overall perception of radiation safety among radiologic technologists. *Radiologic Technology*, 93(3), 255-267. PMID 35017269.
5. Parker-Barnes, L. Degges-White, S., & **Walker, D. A.**, Wickman, S., Linneman, J., Rowley, C., Giansante, R., & McKillip, N. (2022). Using tools we may not know we have: Career agency as a resiliency factor. *Career Convergence*, 1-5.
https://www.ncda.org/aws/NCDA/pt/sd/news_article/435903/_PARENT/CC_layout_details/false
6. Shokrani M., Lukaszuk J., **Walker D. A.**, McCann H., & Kim E. (2022). Assessment of intake of cinnamon supplements on hemoglobin A1c levels in pre-diabetics. *Integrative Medicine Reports*, 1(1), 53-58. doi: 10.1089/imr.2021.0018
7. Smith, T. J., **Walker, D. A.**, Hsu, W.-Y., Lu, Y.-Y., Hong, Z.-. R., & McKenna, C. M. (2022). Teacher characteristics as predictors of mathematics attitude and perceptions of engaged teaching among 12th grade advanced mathematics students in the U.S. *Education Inquiry*, 13(3), 338-353. doi: 10.1080/20004508.2021.1883910
8. Smith, T. J., **Walker, D. A.**, & McKenna, C. M. (2022). Homework characteristics as predictors of advanced math achievement and attitude among U.S. 12th grade students. *SN Social Sciences*, 2(1). doi: 10.1007/s43545-021-00300-9
9. Andzik, N. R., DeSpain, S. N., & **Walker, D. A.** (2021). It's all in the notes: The impact of required class notes on post-lecture, in-class quiz scores. *The Journal on Excellence in College Teaching*, 32(4), 147-164.

10. Smith, T. J., **Walker, D. A.**, Chen, H.- T., & Hong, Z.-. R., & Lin, H.-S. (2021). School belonging and math attitudes among high school students in advanced math. *International Journal of Educational Development*, 80. doi: 10.1016/j.ijedudev.2020.102297
11. Smith, T. J., **Walker, D. A.**, & McKenna, C. M. (2021). A coefficient of discrimination for use with nominal and ordinal regression models. *Journal of Applied Statistics*, 48(16), 3208-3219. doi:10.1080/02664763.2020.1796940
12. Smith, T. J., **Walker, D. A.**, Chen, H.- T., & Hong, Z.-. R. (2020). Students' sense of school belonging and attitude towards science: A cross-cultural examination. *International Journal of Science and Mathematics Education*, 18(5), 855-867. doi: 10.1007/s10763-019-10002-7
13. Chomentowski, P. J., Alis, J. P., Nguyen, R. K., Lukaszuk, J. M., & **Walker, D. A.**, & Salacinski, A. J. (2019). The effects of a coconut water beverage on blood glucose homeostasis during prolonged aerobic exercise. *Sport and Health –International Journal of Sport Sciences and Health*, 6(11-12), 9-18. UDC: 796.015.572:613.192.
14. Smith, T. J., **Walker, D. A.**, & McKenna, K. M. (2019). An exploration of link functions used in ordinal regression. *Journal of Modern Applied Statistical Methods*, 18(1). doi: 10.22237/jmasm/1556669640
15. **Walker, D. A.**, & Smith, T. J. (2019). Logistic regression under sparse data conditions. *Journal of Modern Applied Statistical Methods*, 18(2). doi: 10.22237/jmasm/1604190660
16. **Walker, D. A.**, Reeves, T. D., & Smith, T. J. (2018). Confirmation of the Data Driven Decision-Making Efficacy and Anxiety Inventory's score factor structure among teachers. *Journal of Psychoeducational Assessment*, 36(5), 477-491. doi: 10.1177/0734282916682905
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18. Lukaszuk, J. M., **Walker, D. A.**, Shokrani, M., Umoren; J., & Norman, E. J. (2017). Assessment of vitamin B₁₂ tissue stores in elderly proton pump inhibitor users. *Cogent Medicine*, 4, 1-9. doi: 10.1080/2331205X.2017.1389639
19. Murawska, J. M., & **Walker, D. A.** (2017). Visual tools for eliciting connections and cohesiveness in mixed methods research. *Mid-Western Educational Researcher*, 29(3), 274-290.

20. **Walker, D. A.** (2017). The Pearson Product–Moment Correlation Coefficient and adjustment indices: The Fisher Approximate Unbiased estimator and the Olkin-Pratt adjustment. *Journal of Modern Applied Statistical Methods*, 16(2), 540-546. doi: 10.22237/jmasm/1509496140
21. **Walker, D. A.**, & Smith, T. J. (2017). Computing robust, bootstrap-adjusted fit indices for use with nonnormal data. *Measurement and Evaluation in Counseling and Development*, 50(1-2), 131-137. doi: 10.1080/07481756.2017.1326748
22. Alshahrani, H. A., & **Walker, D. A.** (2016). An exploratory, descriptive study of the attitudes of instructors and students toward the use of asynchronous online discussion at a female university in Saudi Arabia. *Mid-Western Educational Researcher*, 28(3), 247-263.
23. Martin, A. L., Reeves, T. D., Smith, T. J., & **Walker, D. A.** (2016). Computer proficiency for online learning: Factorial invariance of scores among teachers. *Mid-Western Educational Researcher*, 28(3), 232-246.
24. Mohammed, S. F., **Walker, D. A.**, Conderman, G., & Pisapia, J. (2016). Implementing scientific-based research: Learning from the history of the Reading First program. *Educational Research for Policy and Practice*, 15(1), 27-40. doi: 10.1007/s10671-015-9173-4
25. **Walker, D. A.** (2016). Confidence intervals for Kendall's tau with small samples. *Journal of Modern Applied Statistical Methods*, 15(1), 868-883. doi: 10.22237/jmasm/1462077840
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27. Conderman, G., & **Walker, D. A.** (2015). Assessing dispositions in teacher preparation programs: Are candidates and faculty seeing the same thing? *The Teacher Educator*, 50(3), 215-231. doi: 10.1080/08878730.2015.1010053
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30. Summers, K. H., Reeves, T. D., **Walker, D. A.**, & Schwartz, J. (2015). Professional development for educational leaders in the era of performance evaluation reform. *School Leadership Review*, 10(1), 33-43.

31. **Walker, D. A.** (2015). Two group program for Cohen's d , Hedges' g , η^2 , R_{adj}^2 , ω^2 , ε^2 , confidence intervals, and power. *Journal of Modern Applied Statistical Methods*, *14*(2), 282-292. doi: 10.22237/jmasm/1446351600
32. Muehsler, H. E., **Walker, D. A.**, & Smith, T. J. (2014). A note on the use of Cohen's d and Common Language Effect. *Multiple Linear Regression Viewpoints*, *40*(1), 17-22.
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34. Paver, J., **Walker, D. A.**, & Hung, W. C. (2014). Factors that predict the integration of technology for instruction by community college adjunct faculty. *Community College Journal of Research and Practice*, *38*(1), 68-85. doi: 10.1080/00098655.2013.802214
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36. Conderman, G., Johnston-Rodriguez, S., Hartman, P., & **Walker, D. A.** (2013). Honoring voices from beginning special educators for making changes in teacher preparation. *Teacher Education and Special Education*, *36*(1), 65-76. doi: 0.1177/0888406412473311
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39. **Walker, D. A.**, Smith, M. C., & Hamidova, N. I. (2013). A structural analysis of the Attitudes Toward Science scale: Students' attitudes and beliefs about science as a multi-dimensional composition. *Multiple Linear Regression Viewpoints*, *39*(2), 38-48.
40. Newell, P. A., Elmore, P. B., & **Walker, D. A.** (2012). Multiple linear regression articles and the article publication process. *Multiple Linear Regression Viewpoints*, *38*(1), 42-48.
41. **Walker, D. A.**, & Downey, P. M. (2012). Leadership for learning. *The Educational Forum*, *76*(1), 13-24. doi: 10.1080/00131725.2011.627982
42. Moosai, S., **Walker, D. A.**, & Floyd, D. L. (2011). Using student and institutional characteristics to predict graduation rates at community colleges: New developments in performance measures and institutional effectiveness. *Community College Journal of Research and Practice*, *35*(10), 802-816. doi: 10.1080/10668926.2010.520245

43. **Walker, D. A.** (2011). A note on cost-benefit analysis. *Multiple Linear Regression Viewpoints*, 37(2), 29-33.
44. **Walker, D. A.** (2010). All possible kappa coefficient values and cell distribution combinations in a 2 x 2 matrix: The case of the small sample. *Multiple Linear Regression Viewpoints*, 36(2), 40-44.
45. **Walker, D. A.** (2010). A confirmatory factor analysis of the Attitudes Toward Research scale. *Multiple Linear Regression Viewpoints*, 36(1), 17-26.
46. **Walker, D. A.**, Downey, P. M., & Cox-Henderson, J. (2010). REAL camp: A school-university collaboration to promote post-secondary educational opportunities among high school students. *The Educational Forum*, 74(4), 297-304. doi: 10.1080/00131725.2010.507105
47. Catullo, L. A., **Walker, D. A.**, & Floyd, D. L. (2009). The status of crisis management at NASPA member institutions. *NASPA Journal*, 46(2), 301-324. doi: 10.2202/1949-6605.6043
48. Melin, L. S., & **Walker, D. A.** (2009). A data-driven dispositions model for teacher candidates and program review. *Action in Teacher Education*, 31(1), 58-74. doi: 10.1080/01626620.2009.10463511
49. Mohammed, S. F., Pisapia, J., & **Walker, D. A.** (2009). Optimizing state policy implementation: The case of the scientific based research components of the NCLB Act. *Current Issues in Education*, 11(8), 1-20.
50. **Walker, D. A.** (2009). The SSER method: Replicability possibilities within the general linear model extended to the independent samples *t*-test, one-way ANOVA, and chi-square. *Multiple Linear Regression Viewpoints*, 35(2), 10-15.
51. **Walker, D. A.** (2008). Estimating how many observations are needed to obtain a required level of reliability. *Journal of Modern Applied Statistical Methods*, 7(1), 152-157. doi: 10.22237/jmasm/1209615060
52. **Walker, D. A.** (2008). Impact of rater disagreement on chance-corrected inter-rater agreement indices with equal and unequal marginal proportions. *Multiple Linear Regression Viewpoints*, 34(1), 35-39.
53. **Walker, D. A.**, Downey, P. M., Kuehl, D. (2008). Success by degrees: Addressing teacher shortages through a school-community college-university partnership. *Community College Journal of Research and Practice*, 32(12), 959-969. doi: 10.1080/10668920701380926
54. **Walker, D. A.**, Downey, P. M., Sorensen, C. K. (2008). E-Learning modules for teacher development: Project REAL. *TechTrends*, 52(5), 59-62. doi: 10.1007/s11528-008-0198-x

55. **Walker, D. A.**, & Mohammed, S. F. (2008). Two plausible indicators to use with state accountability measures: An analysis of NAEP math data. *The Educational Forum*, 72(2), 177-186. doi: 10.1080/00131720701805041
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57. **Walker, D. A.**, Sorensen, C. K., Smaldino, S. E., & Downey, P. M. (2008). A model for a professional development school intervention: REAL findings. *School-University Partnerships*, 2(1), 6-26.
58. Lieberman, J. M., & **Walker, D. A.** (2007). Connecting curriculum and instruction to national teaching standards. *The Educational Forum*, 71(3), 274-282. doi: 10.1080/00131720709335011
59. **Walker, D. A.** (2007). A comparison of eight shrinkage formulas under extreme conditions. *Journal of Modern Applied Statistical Methods*, 6(1), 162-172. doi: 10.22237/jmasm/1177992900
60. **Walker, D. A.** (2007). Conducting research in student services: Realize the Student Learning Imperative. *NetResults*, 7, 1-8.
61. **Walker, D. A.** (2007). Estimation methods for cross-validation prediction accuracy. *Multiple Linear Regression Viewpoints*, 33(1), 32-38.
62. **Walker, D. A.** (2007). The use of random selection in *NASPA Journal* articles: Encouraging initial findings for student affairs research. *NetResults*, 6, 1-7.
63. Acker-Hocevar, M., Cruz-Janzen, M. I., Wilson, C. L., Schoon, P. L., & **Walker, D. A.** (2006). The need to re-establish schools as dynamic positive human energy systems that are non-linear and self-organizing: The learning partnership tree. *International Journal of Learning*, 12(10), 255-267.
64. **Walker, D. A.** (2006). A comparison of the Spearman-Brown and Flanagan-Rulon formulas for split half reliability under various variance parameter conditions. *Journal of Modern Applied Statistical Methods*, 5(2), 443-451. doi: 10.22237/jmasm/1162354620
65. **Walker, D. A.** (2006). The statistically significant exact replication method: A programming and conceptual extension. *Mid-Western Educational Researcher*, 19(4), 7-11.
66. Wilson, C. L., Acker-Hocevar, M., Cruz-Janzen, M. I., Schoon, P. L., **Walker, D. A.**, & Brown, A. (2006). The proliferation of marginal research for dollars. *International Journal of Learning*, 13(2), 85-93.

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68. Clyde, C., **Walker, D. A.**, & Floyd, D. L. (2005). An experiential learning program for Holocaust education. *NASPA Journal*, 42(3), 326-341. doi: 10.2202/1949-6605.1511
69. Sorensen, C., Smaldino, S., & **Walker, D. A.** (2005). The perfect study: Demonstrating 'what works' in teacher preparation using 'gold standard' research designs in education. *TechTrends*, 49(4), 16-19. doi: 10.1007/BF02824107
70. **Walker, D. A.** (2005). Bias affiliated with two variants of Cohen's d when determining U_1 as a measure of the percent of non-overlap. *Journal of Modern Applied Statistical Methods*, 4(1), 100-105. doi: 10.22237/jmasm/1114906260
71. **Walker, D. A.** (2005). A graph is worth a thousand words? The publication rate of graphs in the *JCSD*, 1999 to 2004. *Journal of College Student Development*, 46(6), 689-698. doi: 10.1353/csd.2005.0068
72. **Walker, D. A.** (2005). An SPSS matrix for determining effect sizes from three categories: r and functions of r, differences between proportions, and standardized differences between means. *Journal of Modern Applied Statistical Methods*, 4(1), 333-342. doi: 10.22237/jmasm/1114907400
73. **Walker, D. A.** (2005). The standard error of a proportion for different scores and test length. *Practical Assessment, Research and Evaluation*, 10(5), 1-9.
74. **Walker, D. A.**, & Mohammed, S. F. (2005). A resource inputs model examining NAEP reading score change from 1994-1998: State median household income and free and reduced-price lunch percentages matter. *Mid-Western Educational Researcher*, 18(4), 2-10.
75. Clyde, C., Floyd, D. L., & **Walker, D. A.** (2004). Experiential learning: Challenges, opportunities, and policy issues for student affairs leaders. *NASAP Journal*, 7(1), 93-104.
76. **Walker, D. A.** (2004). An analysis of funding allocations to student services at tribal colleges and universities, 1991 to 1995: Years of leverage? *Journal of College Student Development*, 45(2), 221-230. doi: 10.1353/csd.2004.0029
77. **Walker, D. A.** (2004). The importance of drawing meaningful conclusions from data: A review of the literature with meta-analytic inquiry. *NASPA Journal*, 41(3), 452-469. doi: 10.2202/1949-6605.1355
78. **Walker, D. A.** (2004). Ridge regression as an alternative to ordinary least squares: Improving prediction accuracy and the interpretation of beta weights. *Association for Institutional Research Professional File*, 92(2), 1-9.

79. **Walker, D. A.** (2004). Validation studies: Matters of dimensionality, accuracy, and parsimony with predictive discriminant analysis and factor analysis. *Journal of Modern Applied Statistical Methods*, 3(1), 186-199. doi: 10.22237/jmasm/1083370740
80. Floyd, D. L., & **Walker, D. A.** (2003). Community college teacher education: A typology, challenging issues, and state views. *Community College Journal of Research and Practice*, 27(8), 643-663. doi: 10.1080/713838241
81. Floyd, D. L., **Walker, D. A.**, & Farnsworth, K. (2003). Global education: An emerging imperative for community colleges. *International Education*, 33(1), 5-21.
82. **Walker, D. A.** (2003). Converting Kendall's tau for correlational or meta-analytic analyses. *Journal of Modern Applied Statistical Methods*, 2(2), 525-530. doi: 10.22237/jmasm/1067646360
83. **Walker, D. A.** (2003). Suppressor variable(s) importance within a regression model: An example of salary compression from career services. *Journal of College Student Development*, 44(1), 127-133. doi: 10.1353/csd.2003.0010
84. **Walker, D. A.**, & Floyd, D. L. (2003). A model for creating and communicating a shared vision. *College Student Journal*, 37(3), 435-437.
85. **Walker, D. A.**, & Young, D. Y. (2003). Example of the impact of weights and design effects on contingency tables and chi-square analysis. *Journal of Modern Applied Statistical Methods*, 2(2), 425-432. doi: 10.22237/jmasm/1067645700
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87. Floyd, D. L., **Walker, D. A.**, & Hurd, D. (2002). Community college study abroad programs: A learning college imperative. *International Education*, 32(1), 58-71.
88. Reason, R. D., **Walker, D. A.**, & Robinson, D. C. (2002). Gender, ethnicity, and highest degree earned as salary determinants for senior student affairs officers at public institutions. *NASPA Journal*, 39(3), 251-265. doi: 10.2202/1949-6605.1169
89. **Walker, D. A.** (2001). Incongruities in salaries and personnel representation for housing/residence life directors at public and private institutions. *The Journal of College and University Student Housing*, 30(1), 25-32.
90. **Walker, D. A.** (2001). Salary equity and personnel proportionality for directors of international programs at public and private institutions: What are the differences? *Phi Beta Delta International Review*, 11(1), 71-84.

91. **Walker, D. A.** (2001). Student affairs professionals' perceptions of international students at small colleges. *International Education*, 30(2), 50-63.
92. **Walker, D. A.** (2001). Through the eyes of practitioners: Perception of international students. *Phi Beta Delta International Review*, 11(1), 11-21.
93. **Walker, D. A.** (2001). Variations in salaries and diversity: Representation of financial aid directors at public and private institutions. *College & University Journal*, 77(1), 9-14.
94. **Walker, D. A.** (2001). What factors influence admission directors' salaries? *The Journal of College Admission*, 173(1), 18-25.
95. **Walker, D. A., & Schultz, A. M.** (2001). Reaching for diversity: Recruiting and retaining Mexican-American students. *Journal of College Student Retention: Research, Theory & Practice*, 2(4), 313-325. doi: 10.2190/U6LB-ELJV-2G91-A78H
96. **Kemis, M., & Walker, D. A.** (2000). The a-e-I-o-u approach to program evaluation. *Journal of College Student Development*, 41(1), 119-122.
97. **Walker, D. A.** (2000). An evaluation plan for student-run campus programs. *ISPA Journal*, 12(1), 50-70.
98. **Walker, D. A.** (2000). The international student population: Past and present demographic trends. *Journal of Instructional Psychology*, 27(2), 77-79.
99. **Walker, D. A.** (2000). Net.Collect: Internet-based survey research. *Assessment Update: Progress, Trends, and Practices in Higher Education*, 12(6), 14.
100. **Walker, D. A.** (1999). Collaborative Kenyan and American approach to study abroad orientation. *International Journal of Educational Reform*, 8(3), 280-284.
101. **Walker, D. A.** (1999). International education leaders: A profile of student affairs professionals who work with international students at private, four-year liberal arts institutions. *International Education Forum*, 19(2), 69-72.
102. **Walker, D. A.** (1999). A model for assessing assessment activities. *College Student Journal*, 33(3), 439-443.
103. **Walker, D. A.** (1999). The organization and administration of study abroad centers in two institutions. *International Education*, 29(1), 5-15.
104. **Walker, D. A.** (1999). Survey Pro: Essential technology for conducting survey research. *Assessment Update: Progress, Trends, and Practices in Higher Education*, 11(4), 6.

MANUSCRIPTS UNDER PEER REVIEW

105. Gul, N., Harris, L. N., & **Walker, D. A.** (2023). *Confidence and competence for evidence-based reading instruction among teachers of students with visual disabilities*. Manuscript submitted for publication.
106. Herkes, S., Lukaszuk, L., **Walker, D. A.**, Shokrani, M., & Stark, M. (2023). *Inulin, containing fructo-oligosaccharides, and Generalized Anxiety Disorder 7-item scale scores in college students*. Manuscript submitted for publication.
107. Male, B., Lukaszuk, J., Chomentowski, P., & **Walker, D. A.** (2023). *Stress response and performance changes of law enforcement officers' marksmanship under varied levels of stress*. Manuscript submitted for publication.
108. Tonks, S., Summers, K. **Walker, D. A.**, & Kopatich, R. (2023). *Validation of an English-language measure of reading motivation for middle school students: A self-determination theory perspective*. Manuscript submitted for publication.
109. **Walker, D. A.**, Smith, T. J., & Smith, M. C. (2023). *The predictive relationship between literacy skills and social variables: A PIAAC study of U.S. immigrant participants*. Manuscript submitted for publication.

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110. Ary, D., Jacobs, L. C., Sorensen-Irvine, C. K., & **Walker, D. A.** (2019). *Introduction to research in education* (10th ed.). Belmont, CA: Wadsworth Publishing.

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113. Acker-Hocevar, M., Cruz-Janzen, M. I., Wilson, C. L., Schoon, P. L., & **Walker, D. A.** (2012). The need to re-establish schools as dynamic positive human energy systems that are non-linear and self-organizing: The learning partnership tree. In N. P. Gallavan (Ed.). *Annual editions: Multicultural education, 16/e* (pp. 65-74). New York: McGraw-Hill.
114. **Walker, D. A., & Mohammed, S. F.** (2009). Predicting group membership using National Assessment of Educational Progress (NAEP) mathematics data. In M. C. Shelley II, L. D. Yore, & B. Hand (Eds.). *Quality research in literacy and science education: International perspectives and gold standards* (pp. 323-335). Dordrecht, The Netherlands: Springer. doi: 10.1007/978-1-4020-8427-0

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115. **Walker, D. A.** (1999). Contribution 34. In F. Pyrczak (Ed.). *Completing your thesis or dissertation: Professors share their techniques and strategies* (p. 45). Los Angeles: Pyrczak.

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116. **Walker, D. A.** (2001). Review of [G. R. Taylor. Integrating quantitative and qualitative methods in research]. *Journal of College Student Development, 42*(3), 286-288.

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1. **Walker, D. A. (Principal Investigator)**, & Reeves, T. D. (Co-PI). (2015-2017). *Online teaching and development training program*. Jubail Colleges & Institutes Sector, Saudi Arabia grant. **Funded for \$60,000.**
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7. **Walker, D. A. (Principal Investigator)**. (2007). *Software programs to supplement undergraduate and graduate courses in regression and reliability*. Northern Illinois University Committee for the Improvement of Undergraduate Education Microcomputer Software Acquisition grant. **Funded for \$1,000.**
8. **Walker, D. A. (Principal Investigator)**. (2006). *Internet-based software programs for students studying chi-square and reliability*. Northern Illinois University Committee for the Improvement of Undergraduate Education Microcomputer Software Acquisition grant. **Funded for \$1,000.**
9. Northern Illinois University (Principal Investigator), & **Walker, D. A. (Grant Evaluation Team)**. (2005). *A learning continuum for university and school partnership (CUSP): A P-20 mathematics and science education initiative of Northern Illinois University and East Aurora school district 131*. Northern Illinois University/P-20 grant. **Funded for \$4,500.**

10. **Walker, D. A. (Principal Investigator).** (2005). *The need to re-establish schools as dynamic positive human energy systems that are non-linear and self-organizing: The learning partnership tree as a systems alignment model for evaluating school practices.* International Conference on Learning, Granada, Spain. Northern Illinois University College of Education Scholarship grant. **Funded for \$1,665.**
11. **Walker, D. A. (Principal Investigator).** (2005). *Predicting group membership and the ranking of predictor variables using NAEP math data.* Northern Illinois University Research and Artistry grant. **Funded for \$4,000.**
12. **Walker, D. A. (Principal Investigator).** (2004). *An internet program for determining effect sizes from three categories: r and functions of r, differences between proportions, and standardized differences between means.* Northern Illinois University Research and Artistry grant. **Funded for \$5,100.**
13. Florida Atlantic University (Principal Investigator), & **Walker, D. A. (Grant Evaluator).** (2002-2003). *Florida school report: Best practices project.* Council for Educational Change grant. **Funded for \$399,300.**
14. Broward County Public Schools (Principal Investigator), & **Walker, D. A. (Grant Evaluator).** (2001-2003). *The New Teacher Academy.* State of Florida grant. **Funded for \$800,000.**

COMPUTER PROGRAMS

1. **Walker, D. A.** (2017). The Aroain version of the Sobel test on a single mediation indirect effect for small samples ($N < 50$) [Computer program].
2. **Walker, D. A.** (2017). Chi-square for a 2x2 table [Computer program].
3. **Walker, D. A.** (2017). Converting from a discrete Y (logit) to an underlying continuous Y (probit) [Computer program].
4. **Walker, D. A.** (2017). Corrected F in multiple linear regression when multicollinearity is present [Computer program].
5. **Walker, D. A.** (2017). F value for the flatness test in profile analysis [Computer program].
6. **Walker, D. A.** (2017). Fahrenheit and celsius conversions [Computer program].
7. **Walker, D. A.** (2017). The Goodman version of the Sobel test on a single mediation indirect effect for very large samples [Computer program].

8. **Walker, D. A.** (2017). Hartley's F test for homogeneity of variance with two groups [Computer program].
9. **Walker, D. A.** (2017). Line graph for eigenvalue extraction methods: Parallel analysis and exploratory factor analysis [Computer program].
10. **Walker, D. A.** (2017). Nantic and nantic root table program [Computer program].
11. **Walker, D. A.** (2017). p values as odds (Bayes factors) and frequentist conditional error probabilities [Computer program].
12. **Walker, D. A.** (2017). The probability of two group separation: Treatment versus non-treatment benefit [Computer program].
13. **Walker, D. A.** (2017). The Sobel test on a single mediation indirect effect for large samples ($N \geq 50$) [Computer program].
14. **Walker, D. A.** (2017). Standard distance measurement units converted to metric measurement units [Computer program].
15. **Walker, D. A.** (2017). Standard liquid and dry measurement units converted to metric liquid and dry units [Computer program].
16. **Walker, D. A.** (2016). The Bonferroni and Sidak correction methods for familywise error rate [Computer program].
17. **Walker, D. A.** (2016). Calculating R and R^2 from χ^2 [Computer program].
18. **Walker, D. A.** (2016). Cohen's h effect size for two independent proportions [Computer program].
19. **Walker, D. A.** (2016). Common language effect size program [Computer program].
20. **Walker, D. A.** (2016). Correcting for attenuation in an effect size [Computer program].
21. **Walker, D. A.** (2016). d and f: Standardized mean difference and standardized average effect [Computer program].
22. **Walker, D. A.** (2016). Differences between two scores over time [Computer program].
23. **Walker, D. A.** (2016). Estimated d effect size, phi coefficient, and Cohen's kappa for naturally dichotomous variables in a 2x2 table [Computer program].
24. **Walker, D. A.** (2016). Logistic regression derived from a 2x2 cross-tabulation table [Computer program].

25. **Walker, D. A.** (2016). Normalized change score for the proportion loss [Computer program].
26. **Walker, D. A.** (2016). Normalized gain score for proportion change [Computer program].
27. **Walker, D. A.** (2016). Octic and octic root table program [Computer program].
28. **Walker, D. A.** (2016). One-facet variance components model [Computer program].
29. **Walker, D. A.** (2016). A program for winsorizing means [Computer program].
30. **Walker, D. A.** (2016). Septic and septic root table program [Computer program].
31. **Walker, D. A.** (2015). The area of a trapezoid [Computer program].
32. **Walker, D. A.** (2015). Binary proximity measures [Computer program].
33. **Walker, D. A.** (2015). Distance, velocity, and time [Computer program].
34. **Walker, D. A.** (2015). Estimating a standardized partial regression coefficient for any number of predictors in a model [Computer program].
35. **Walker, D. A.** (2015). Measures of distances between two points [Computer program].
36. **Walker, D. A.** (2015). Quartic and quartic root table program [Computer program].
37. **Walker, D. A.** (2015). Quintic and quintic root table program [Computer program].
38. **Walker, D. A.** (2015). R^2 , η^2 , and r derived from sum of squares measures in one-way ANOVA and simple linear regression models [Computer program].
39. **Walker, D. A.** (2015). Sample size needed for two independent binomial groups [Computer program].
40. **Walker, D. A.** (2015). Sextic and sextic root table program [Computer program].
41. **Walker, D. A.** (2015). Studentized range statistic [Computer program].
42. **Walker, D. A.** (2015). The volume, height, and length of a pyramid [Computer program].
43. **Walker, D. A.** (2015). The volume of a cone [Computer program].
44. **Walker, D. A.** (2015). The volume of a cylinder [Computer program].

45. **Walker, D. A.** (2015). Z critical values for one-tailed and two-tailed tests: Alpha = .05, .01, and .001 [Computer program].
46. **Walker, D. A.** (2014). The area, circumference, and radius lengths of a circle [Computer program].
47. **Walker, D. A.** (2014). The area of a parallelogram [Computer program].
48. **Walker, D. A.** (2014). The area, perimeter, and diagonal lengths of an oblong [Computer program].
49. **Walker, D. A.** (2014). The area, perimeter, and diagonal lengths of a square [Computer program].
50. **Walker, D. A.** (2014). The area of a rectangle [Computer program].
51. **Walker, D. A.** (2014). The area of a sphere [Computer program].
52. **Walker, D. A.** (2014). The area of a triangle [Computer program].
53. **Walker, D. A.** (2014). The complementary, supplementary, and sum of the angles of a triangle [Computer program].
54. **Walker, D. A.** (2014). The perimeter of a polygon (n sides) [Computer program].
55. **Walker, D. A.** (2014). The perimeter of a rectangle [Computer program].
56. **Walker, D. A.** (2014). The perimeter of a triangle [Computer program].
57. **Walker, D. A.** (2014). The surface area of a cube [Computer program].
58. **Walker, D. A.** (2014). The volume of a cube [Computer program].
59. **Walker, D. A.** (2014). The volume of a rectangle [Computer program].
60. **Walker, D. A.** (2014). The volume of a sphere [Computer program].
61. **Walker, D. A.** (2013). Adjusted chi-square for a 2 x 2 table when one cell has expected frequencies ≤ 1 : An alternative to Fisher's exact test [Computer program].
62. **Walker, D. A.** (2013). Confidence limits for Cohen's d effect size for two groups [Computer program].
63. **Walker, D. A.** (2013). Confidence limits for Kendalls' tau [Computer program].
64. **Walker, D. A.** (2013). Cube and cubic root table program [Computer program].

65. **Walker, D. A.** (2013). Disproportionate stratified random sampling program [Computer program].
66. **Walker, D. A.** (2013). Effect sizes with dichotomous outcomes: Risk difference, relative risk, and odds ratio [Computer program].
67. **Walker, D. A.** (2013). Estimated power for a one sample t -test [Computer program].
68. **Walker, D. A.** (2013). McNemar test and Continuity Corrected test for reflecting change in a 2x2 table [Computer program].
69. **Walker, D. A.** (2013). Pearsonian skewness coefficient based on the sample mean, median, and standard deviation [Computer program].
70. **Walker, D. A.** (2013). Proportional improvement in prediction: The degree to which the prediction of Y is improved by X in a regression model [Computer program].
71. **Walker, D. A.** (2013). Random value table generator for uniform, normal, chi-square, t , and F distributions [Computer program].
72. **Walker, D. A.** (2013). Rounding p-values program [Computer program].
73. **Walker, D. A.** (2013). Square and square root table program [Computer program].
74. **Walker, D. A.** (2013). Über password program [Computer program].
75. **Walker, D. A.** (2013). Using two orthogonal vectors to create a right triangle via the Pythagorean Theorem [Computer program].
76. **Walker, D. A.** (2012). Approximated Gelfond's constant [Computer program].
77. **Walker, D. A.** (2012). An approximated t distribution via Spearman's r [Computer program].
78. **Walker, D. A.** (2012). Approximations for e : The Eulerian number [Computer program].
79. **Walker, D. A.** (2012). Calculating an estimated F statistic in regression models [Computer program].
80. **Walker, D. A.** (2012). Chernick's theorem to derive a Carmichael number [Computer program].
81. **Walker, D. A.** (2012). Counting comments program [Computer program].
82. **Walker, D. A.** (2012). Eight measures for estimating the power to detect skewness in a distribution [Computer program].

83. **Walker, D. A.** (2012). Euler's lowest and highest values for z to the z infinite power [Computer program].
84. **Walker, D. A.** (2012). Gelfond's constant [Computer program].
85. **Walker, D. A.** (2012). Perfect square numbers program [Computer program].
86. **Walker, D. A.** (2012). Random PIN numbers [Computer program].
87. **Walker, D. A.** (2012). Square root of pi [Computer program].
88. **Walker, D. A.** (2012). Triangular numbers program [Computer program].
89. **Walker, D. A.** (2012). Twelve approximations of pi [Computer program].
90. **Walker, D. A.** (2012). The variance inflation factor of a predictor variable [Computer program].
91. **Walker, D. A.** (2011). Area of the Mandelbrot set [Computer program].
92. **Walker, D. A.** (2011). Balanced primes [Computer program].
93. **Walker, D. A.** (2011). Cousin primes [Computer program].
94. **Walker, D. A.** (2011). Factorial of $3/2$ [Computer program].
95. **Walker, D. A.** (2011). Gelfond-Schneider constant/Hilbert number: An irrational to an irrational power that is rational [Computer program].
96. **Walker, D. A.** (2011). Mertens' third theorem [Computer program].
97. **Walker, D. A.** (2011). Prime quadruplets [Computer program].
98. **Walker, D. A.** (2011). Primitive coprime Pythagorean triples [Computer program].
99. **Walker, D. A.** (2011). Pythagoras' constant: The first known irrational number [Computer program].
100. **Walker, D. A.** (2011). Safe primes [Computer program].
101. **Walker, D. A.** (2011). Sexy primes [Computer program].
102. **Walker, D. A.** (2011). Sophie Germain primes [Computer program].
103. **Walker, D. A.** (2011). Star primes [Computer program].

104. **Walker, D. A.** (2011). Twin primes [Computer program].
105. **Walker, D. A.** (2011). Wagstaff prime numbers [Computer program].
106. **Walker, D. A.** (2010). e : The Eulerian number/Napier's constant to fifteen places [Computer program].
107. **Walker, D. A.** (2010). Fermat numbers program [Computer program].
108. **Walker, D. A.** (2010). Heron's area of a triangle [Computer program].
109. **Walker, D. A.** (2010). Interpolated median [Computer program].
110. **Walker, D. A.** (2010). Keats' estimate for the standard error of measurement [Computer program].
111. **Walker, D. A.** (2010). K-R 20 score reliability for an individual with dichotomous scoring [Computer program].
112. **Walker, D. A.** (2010). Lord's binomial estimate for the standard error of measurement [Computer program].
113. **Walker, D. A.** (2010). Millman's approximation to the standard error [Computer program].
114. **Walker, D. A.** (2010). Perfect numbers program [Computer program].
115. **Walker, D. A.** (2010). Pick's theorem: The area enclosed by a polygonal shape [Computer program].
116. **Walker, D. A.** (2010). A program for counting the frequency of words selected from sentences [Computer program].
117. **Walker, D. A.** (2010). A sample-based variance calculation [Computer program].
118. **Walker, D. A.** (2010). Semipartial correlation [Computer program].
119. **Walker, D. A.** (2010). String concatenation [Computer program].
120. **Walker, D. A.** (2010). Titius-Bode Law: The numerical relationship with Fermat numbers [Computer program].
121. **Walker, D. A.** (2009). The average probability of replication statistic: Determining the chance of a same-sign result [Computer program].
122. **Walker, D. A.** (2009). Commonality analysis for two and three predictor regression models [Computer program].

123. **Walker, D. A.** (2009). Creating structure coefficients in a regression model [Computer program].
124. **Walker, D. A.** (2009). The degree of collinearity based on condition number and condition index measures [Computer program].
125. **Walker, D. A.** (2009). Determining the areas of the unit normal distribution [Computer program].
126. **Walker, D. A.** (2009). An Excel program for determining the probability distributions and critical values for data using t -tests, one-way ANOVA, and chi-square [Computer program].
127. **Walker, D. A.** (2009). Fibonacci sequence calculator [Computer program].
128. **Walker, D. A.** (2009). The golden ratio [Computer program].
129. **Walker, D. A.** (2009). Johnson-Neyman confidence intervals for regression models [Computer program].
130. **Walker, D. A.** (2009). Mersenne prime numbers program [Computer program].
131. **Walker, D. A.** (2009). Pi to fifteen places [Computer program].
132. **Walker, D. A.** (2009). A program for finding prime numbers [Computer program].
133. **Walker, D. A.** (2009). A randomization test program for the independent samples t -test [Computer program].
134. **Walker, D. A.** (2009). Three corrections for attenuation correlation coefficients [Computer program].
135. **Walker, D. A.** (2009). Unbiased estimations of the standard deviation [Computer program].
136. **Walker, D. A.** (2008). An alphanumeric data generator: Alphabetized and numerically randomized [Computer program].
137. **Walker, D. A.** (2008). Estimating the population standard error of estimation for the probability of success or failure [Computer program].
138. **Walker, D. A.** (2008). The first four moments about the mean: Central moments for a normal distribution based on multiple groups and measures [Computer program].

139. **Walker, D. A.** (2008). Five model fit tests that penalize for a lack of parsimony [Computer program].
140. **Walker, D. A.** (2008). Four model fit measures based on information theory [Computer program].
141. **Walker, D. A.** (2008). Hoelter .05 and .01: A measure for estimating adequate sample size for model fit [Computer program].
142. **Walker, D. A.** (2008). Inter-rater reliability derived from an ANOVA: The average correlation between raters [Computer program].
143. **Walker, D. A.** (2008). Nine goodness-of-fit tests that compare a null model to a proposed model [Computer program].
144. **Walker, D. A.** (2008). Precision estimates for scales with two to six dimensions based on average item correlations and the number of items [Computer program].
145. **Walker, D. A.** (2008). The probability of a statistically significant exact replication (SSER) for chi-square [Computer program].
146. **Walker, D. A.** (2008). A program to calculate the root mean square error of approximation (RMSEA) along with PEXACT and PCLOSE values of model fit [Computer program].
147. **Walker, D. A.** (2008). A program to calculate the standardized root mean square residual (SRMR) [Computer program].
148. **Walker, D. A.** (2008). A program for converting an F value derived from a one-way ANOVA to an R^2 value [Computer program].
149. **Walker, D. A.** (2008). A program for transforming a t value from an independent samples t -test to an R^2 value [Computer program].
150. **Walker, D. A.** (2008). The r equivalent effect size for two-group use in meta-analysis [Computer program].
151. **Walker, D. A.** (2008). The standard error of the Kuder-Richardson 20 reliability coefficient [Computer program].
152. **Walker, D. A.** (2008). Three non-centrality-based fit measures. [Computer program].
153. **Walker, D. A.** (2007). ANCOVA post-test scores: Converting a t -test of a treatment coefficient to the proportion of unique variation in a criterion variable accounted for by the treatment variable [Computer program].

154. **Walker, D. A.** (2007). Calculating the experiment-wise error rate [Computer program].
155. **Walker, D. A.** (2007). Calculating natural logarithms for any positive value [Computer program].
156. **Walker, D. A.** (2007). Coefficient of unalikeability for categorical variables [Computer program].
157. **Walker, D. A.** (2007). Conditional and estimated standard error of measurements for full-length and mini replications [Computer program].
158. **Walker, D. A.** (2007). Estimated standard errors for omega- and epsilon-square [Computer program].
159. **Walker, D. A.** (2007). Indices for proportion of negative agreement in 2 x 2 tables [Computer program].
160. **Walker, D. A.** (2007). Indices for proportion of positive agreement in 2x2 tables [Computer program].
161. **Walker, D. A.** (2007). K max: Comparing the maximum value of kappa to evaluate the performance of Cohen's k in a 2x2 table [Computer program].
162. **Walker, D. A.** (2007). Large sample variance for a stepped-up reliability coefficient [Computer program].
163. **Walker, D. A.** (2007). Maxwell's random error index for inter-rater agreement [Computer program].
164. **Walker, D. A.** (2007). Ordinal dominance for two groups: A program to compute a proportion, graphs, a hypothesis test, and confidence intervals [Computer program].
165. **Walker, D. A.** (2007). Point symmetry adjusted phi for a 2x2 matrix: Extensions for a dichotomy [Computer program].
166. **Walker, D. A.** (2007). Point symmetry adjusted phi for a 3x3 matrix: Extensions for a trichotomy [Computer program].
167. **Walker, D. A.** (2007). Variance estimates for Fisher's z transformation based on sample size [Computer program].
168. **Walker, D. A.** (2007). V2: A linear by linear chi-square test [Computer program].
169. **Walker, D. A.** (2006). Alternative computations for estimating reliability via the Spearman-Brown Prophecy Formula [Computer program].

170. **Walker, D. A.** (2006). The Angoff-Feldt estimator for split-half internal consistency [Computer program].
171. **Walker, D. A.** (2006). Confidence intervals for estimated true scores [Computer program].
172. **Walker, D. A.** (2006). Cross-validation measures for estimating prediction error: The MSEP (mean squared error of prediction) and the RMSEP (root mean squared error of prediction) for a validation sample [Computer program].
173. **Walker, D. A.** (2006). Estimating the standard error of measurement (SEM) based on theoretical values derived from the regression of SEM on the square root of the number of testing items [Computer program].
174. **Walker, D. A.** (2006). Finding the standard error of measurement from four estimation formulas when the reliability coefficient is known [Computer program].
175. **Walker, D. A.** (2006). Fisher, Hotelling, Harley: Three transformations for the correlation coefficient [Computer program].
176. **Walker, D. A.** (2006). Five alternative coefficients for 2x2 tables [Computer program].
177. **Walker, D. A.** (2006). Glass' biserial correlation: A measure between a dichotomous variable of group membership and a single continuous variable ranked across all observations [Computer program].
178. **Walker, D. A.** (2006). The Olkin and Finn methods for estimating confidence bounds for R^2 [Computer program].
179. **Walker, D. A.** (2006). A program for creating any dimension of chi-square table using two columns of raw data [Computer program].
180. **Walker, D. A.** (2006). The proportionality of contiguous standard scores [Computer program].
181. **Walker, D. A.** (2006). The rank biserial correlation as an estimation of rho between the rank of total test score and a ranking variable [Computer program].
182. **Walker, D. A.** (2006). Six formulas for averaging internal consistency [Computer program].
183. **Walker, D. A.** (2006). Standard score grade ranges using Cajori percentages [Computer program].

184. **Walker, D. A.** (2006). Ten non-chance corrected indices for inter-rater agreement with binary data and two raters [Computer program].
185. **Walker, D. A.** (2006). A test to determine if two population values of coefficient alpha are equal [Computer program].
186. **Walker, D. A.** (2005). Centours or centile contour: Locating a point among other points, a one-dimensional space example [Computer program].
187. **Walker, D. A.** (2005). The Chicago game of 26 [Computer program].
188. **Walker, D. A.** (2005). Choosing the appropriate sample size *a priori* with a specified effect size and alpha level: Controlling for type I error when estimating the population mean [Computer program].
189. **Walker, D. A.** (2005). Choosing the appropriate sample size *a priori* with a specified effect size and alpha level: Controlling for type I error when estimating the population proportion [Computer program].
190. **Walker, D. A.** (2005). Choosing the appropriate sample size *a priori* with a specified effect size, alpha level, and power: Controlling for type I and type II errors [Computer program].
191. **Walker, D. A.** (2005). Computing final scores based on aggregating two major grading criteria: The geometric, harmonic, and quadratic means program [Computer program].
192. **Walker, D. A.** (2005). The Delphi Method: Percentage of agreement per member [Computer program].
193. **Walker, D. A.** (2005). Generating lists of pseudo-random and random values from a range of numbers [Computer program].
194. **Walker, D. A.** (2005). Power and effect sizes with independent and dependent sample *t*-tests program [Computer program].
195. **Walker, D. A.** (2005). The probability of a statistically significant exact replication (SSER) for the one-way ANOVA [Computer program].
196. **Walker, D. A.** (2005). The probability of a statistically significant exact replication (SSER) for the *t*-test [Computer program].
197. **Walker, D. A.** (2005). A program to estimate how much a test needs to be increased to predict a given Spearman-Brown reliability coefficient [Computer program].

198. **Walker, D. A.** (2005). A program for selecting a random number from a prescribed range of numbers [Computer program].
199. **Walker, D. A.** (2005). Random data for PIN numbers, surveys, identification, passwords [Computer program].
200. **Walker, D. A.** (2005). Simple random sampling with replacement program [Computer program].
201. **Walker, D. A.** (2005). Simple random sampling without replacement program [Computer program].
202. **Walker, D. A.** (2005). Standard error of a proportion program [Computer program].
203. **Walker, D. A.** (2005). Systematic sampling program [Computer program].
204. **Walker, D. A.** (2005). Type I error simulation programs: The problem with conducting the same test numerous times with examples from three types of t -tests and the one-way ANOVA [Computer program].
205. **Walker, D. A.** (2005). Variance estimation and runs test program: Flipping a coin n th resamples [Computer program].
206. **Walker, D. A.** (2003). Tau conversion program [Computer program].

COMPUTER SOFTWARE

1. **Walker, D. A.** (2007). Adjusted R^2 indices for estimating the population multiple correlation coefficient [Computer software]. Retrieved from <http://www.cedu.niu.edu/~walker/calculators>
2. **Walker, D. A.** (2007). Chance corrected indices for inter-rater agreement with binary data and two raters [Computer software]. Retrieved from <http://www.cedu.niu.edu/~walker/calculators>
3. **Walker, D. A.** (2007). Estimators for sample cross-validation [Computer software]. Retrieved from <http://www.cedu.niu.edu/~walker/calculators>
4. **Walker, D. A.** (2007). Measures of association indices for 2 x 2 tables [Computer software]. Retrieved from <http://www.cedu.niu.edu/~walker/calculators>
5. **Walker, D. A.** (2007). Specifying predictive variance in a validation sample via the PRESS (Prediction Sum of Squares) method [Computer software]. Retrieved from <http://www.cedu.niu.edu/~walker/calculators>
6. **Walker, D. A.** (2006). Calculating a chi-square statistic from two-group data: M, SD, and n [Computer software]. Retrieved from <http://www.cedu.niu.edu/~walker/calculators>
7. **Walker, D. A.** (2006). A comparison between the Spearman-Brown and Flanagan-Rulon split half reliability methods [Computer software]. Retrieved from <http://www.cedu.niu.edu/~walker/calculators>
8. **Walker, D. A.** (2006). Determining a reliability coefficient from a known SEM and SD [Computer software]. Retrieved from <http://www.cedu.niu.edu/~walker/calculators>
9. **Walker, D. A.** (2006). Estimating internal consistency reliability via the Kuder-Richardson 21 formula given M, SD, and k [Computer software]. Retrieved from <http://www.cedu.niu.edu/~walker/calculators>
10. **Walker, D. A.** (2006). An estimation of how many pooled judgments are needed to obtain an increased reliability coefficient from a single judgment reliability score [Computer software]. Retrieved from <http://www.cedu.niu.edu/~walker/calculators>
11. **Walker, D. A.** (2004). Effect size calculator (Version 2.0) [Computer software]. Retrieved from <http://www.cedu.niu.edu/~walker/calculators>

REFEREED RESEARCH PRESENTATIONS

1. Gul, N., Harris, L. N., & **Walker, D. A.** (2023, October). *Confidence and competence for evidence-based reading instruction among teachers of students with visual impairments*. Mid-Western Educational Research Association, Cincinnati, OH.
2. Junco, E. R., & **Walker, D. A.** (2023, October). *College student perceptions of belonging: The road to belonging-based pedagogies and recommendations*. Mid-Western Educational Research Association, Cincinnati, OH.
3. Smith, T. J., & **Walker, D. A.**, McKenna, C. M. (2023, October). *A comparison of models for predicting zero-inflated count outcomes*. Mid-Western Educational Research Association, Cincinnati, OH.
4. Blake, S., Jensen, S., Johnson, J., Elish-Piper, L., & **Walker, D. A.** (2023, April). *Partnering to Lead and Empower District-Grown Educators: A community collaboration to recruit and retain diverse teacher candidates*. American Educational Research Association, Chicago IL.
5. Andzik, N. R., Conderman, G., & **Walker, D. A.** (2022, October). *Navigating an undergraduate teacher licensure program as a non-traditional student*. Mid-Western Educational Research Association, Cincinnati, OH.
6. Blake, S., Jensen, S., Johnson, J., Elish-Piper, L., & **Walker, D. A.** (2022, October). *Partnering to Lead and Empower District-Grown Educators (PLEDGE): A program to meet student and community needs*. Mid-Western Educational Research Association, Cincinnati, OH.
7. Conderman, G., DeSpain, S., & **Walker, D. A.** (2022, April). *Special Education student teachers' reflections on skills and observed practices*. American Educational Research Association, San Diego, CA.
8. Andzik, N., DeSpain, S., & **Walker, D. A.** (2021, October). *It's all in the notes: The impact of required class notes on in-class quiz scores*. Mid-Western Educational Research Association, Cincinnati, OH.
9. Conderman, G., DeSpain, S., & **Walker, D. A.** (2021, October). *Student teachers' reflections of skills and observed practices*. Mid-Western Educational Research Association, Cincinnati, OH.
10. Smith, T. J., **Walker, D. A.**, & McKenna, C. (2021, October). *Effects of ordinal outcome distribution patterns on the statistical power of general linear mixed models*. Mid-Western Educational Research Association, Cincinnati, OH.

11. Smith, T. J., **Walker, D. A.**, Hsu, W.-Y., Lu, Y.-Y., & McKenna, C. M. (2021, April). *Teacher characteristic predictors of mathematics attitude and perceptions of engaged teaching: U.S. 12th-grade students*. American Educational Research Association, Orlando, FL.
12. Male, B. M., Lukaszuk J. M., Chomentowski, P. J., & **Walker D. A.** (2020, May). *Stress response and performance changes in law enforcement officers' marksmanship under varied levels of stress*. American College of Sports Medicine, San Francisco CA.
13. Smith, K. J., & **Walker, D. A.** (2020, April). *Intentions to leave entry-level student affairs positions: Professional preparedness, job satisfaction, and self-efficacy*. American Educational Research Association, San Francisco, CA.
14. **Walker, D. A.**, & Elish-Piper, L. (2020, April). *Educate Global: Alternative teacher preparation lived and developmental experiences at Chinese and Taiwanese summer English language camps*. American Educational Research Association, San Francisco, CA.
15. **Walker, D. A.**, & Elish-Piper, L. (2020, April). *Educate U.S.: Engaged teacher candidate field experiences in an urban context*. American Educational Research Association, San Francisco, CA.
16. Chomentowski, P. J., Kirkbride, N., Lukaszuk, J. M, Peterson, J. R., Granderson, D., **Walker, D. A.**, & Shokrani, M. (2019, November). *Effect of tart cherry concentrate on pain, inflammation, and strength*. Midwest American College of Sports Medicine, Oak Brook, IL.
17. Smith, K. J., & **Walker, D. A.** (2019, October). *Preparedness of student affairs professionals*. Mid-Western Educational Research Association, Cincinnati, OH.
18. Smith, T. J., **Walker, D. A.**, Chen, H.-T., & McKenna, C. (2019, October). *Teacher characteristics as predictors of mathematics attitude and perceptions of engaged teaching among 12th grade advanced mathematics students in the U.S*. Mid-Western Educational Research Association, Cincinnati, OH.
19. Tonks, S. M., Summers, K., & **Walker, D. A.** (2019, October). *The development and structure of an English-language measure of autonomous reading motivation for middle school students*. Mid-Western Educational Research Association, Cincinnati, OH.
20. **Walker, D. A.** (2019, October). *Educate Local: Early engagement and developmental experiences for teacher candidates*. Mid-Western Educational Research Association, Cincinnati, OH.
21. Tonks, S. M., Summers, K., & **Walker, D. A.** (2019, May). *Development of autonomous reading motivation measures for U.S. middle school students*. International Self-Determination Theory Conference, Egmond aan Zee, The Netherlands.

22. Glick, B. M., & **Walker, D. A.** (2019, April). *Student conduct administrator professional identity*. American Educational Research Association, Toronto, Ontario, Canada.
23. Smith, T. J., McKenna, K. M., & **Walker, D. A.** (2019, April). *Homework characteristics as predictors of advanced math achievement and attitude among U.S. 12th grade students*. American Educational Research Association, Toronto, Ontario, Canada.
24. Smith, T. J., **Walker, D. A.**, Chen, H.-T., & Hong, Z.-R. (2019, April). *Students' sense of school belonging as a predictor of science proficiency and attitude toward science: A comparison between Taiwan and the U.S.* American Educational Research Association, Toronto, Ontario, Canada.
25. Tonks, S. M., Summers, K., & **Walker, D. A.** (2019, April). *Confirmation of the factor structure of an autonomous reading motivation measure for middle school students*. American Educational Research Association, Toronto, Ontario, Canada.
26. Elish-Piper, L., & **Walker, D. A.** (2019, February). *Educate Global: Engaged international field experiences for teacher candidates*. American Association of Colleges for Teacher Education, Louisville, KY.
27. Elish-Piper, L., & **Walker, D. A.** (2019, February). *Educate U.S.: Engaged instructional and learning experiences for teacher candidates*. American Association of Colleges for Teacher Education, Louisville, KY.
28. Smith, T. J., **Walker, D. A.**, & Chen, H.-T. (2019, January). *The relationship of sense of school belonging to math attitude among high school students enrolled in advanced math courses*. Lisbon Economics and Statistics of Education. Lisbon, Portugal.
29. Glick, B. M., & **Walker, D. A.** (2018, October). *Professional identity of student conduct administrators*. Mid-Western Educational Research Association, Cincinnati, OH.
30. Smith, T. J., **Walker, D. A.**, Chen, H.-T., & Hong, Z.-R. (2018, October). *Students' sense of school belonging as a predictor of science proficiency and attitude toward science: A comparison between Taiwan and the U.S.* Mid-Western Educational Research Association, Cincinnati, OH.
31. **Walker, D. A.** (2018, October). *Educate Global: Engaged international field experiences for teacher candidates*. Mid-Western Educational Research Association, Cincinnati, OH.
32. **Walker, D. A.** (2018, October). *Educate U.S.: Engaged instructional and learning experiences for teacher candidates*. Mid-Western Educational Research Association, Cincinnati, OH.
33. Smith, M. C., Smith, T. J., & **Walker, D. A.** (2018, April). *Adults' skill practices: An international study of individual and contextual predictors of skill proficiency*. American Educational Research Association, New York, NY.

34. Smith, T. J., **Walker, D. A.**, & McKenna, K. M. (2018, April). *Logistic regression under sparse data conditions*. American Educational Research Association, New York, NY.
35. **Walker, D. A.**, Smith, T. J., & Smith, M. C. (2018, April). *The relationship between literacy skills and immigrant characteristic variables: A U.S. examination*. American Educational Research Association, New York, NY.
36. **Walker, D. A.**, Downey, P. M., & Johnson, J. L. (2018, March). *Educate U.S.* Conference on Engaged Learning, Teaching and Scholarship, DeKalb, IL.
37. Ehrmann, J. N., & **Walker, D. A.** (2017, October). *Predicting instructional alignment from alignment practices*. Mid-Western Educational Research Association, Evanston, IL.
38. Murawska, J. M., & **Walker, D. A.** (2017, October). *Visual tools for eliciting connections and cohesiveness in mixed methods research*. Mid-Western Educational Research Association, Evanston, IL.
39. Peed, T., & **Walker, D. A.** (2017, October). *Unruly data: Tips for screening your data prior to analysis*. Association for Counselor Education and Supervision, Chicago, IL.
40. Smith, T. J., **Walker, D. A.**, Chen, H.-T., Wang, H.-H., & Yang, K.-K. (2017, October). *Student perceptions of school climate and student attitude towards science: A cross-cultural examination*. Mid-Western Educational Research Association, Evanston, IL.
41. Smith, T. J., **Walker, D. A.**, & McKenna, K. M. (2017, October). *Logistic regression under sparse data conditions*. Mid-Western Educational Research Association, Evanston, IL.
42. **Walker, D. A.**, Smith, T. J., & Smith, M. C. (2017, October). *The predictive relationship between literacy skills and background variables: A PIAAC study of U.S. immigrant participants*. Mid-Western Educational Research Association, Evanston, IL.
43. Shokrani, M., Lukaszuk, J., **Walker, D. A.**, McCann, H., McMahon, L., & Kim, E. (2017, August). *Assessment of intake of cinnamon supplements on hemoglobin A1c levels in pre-diabetics*. American Society for Clinical Laboratory Science. San Diego, CA.
44. Smith, T. J., **Walker, D. A.**, & McKenna, C. M. (2017, April). *An examination of link function choice in ordinal regression models*. American Educational Research Association, San Antonio, TX.
45. **Walker, D. A.**, Reeves, T. D., & Smith, T. J. (2017, April). *Confirmation of the factor structure of the Data Driven Decision-Making Efficacy and Anxiety Inventory (3D-MEA) among teachers in the Midwest*. American Educational Research Association, San Antonio, TX.

46. Alkarzon, M., Mayall, H., & **Walker, D. A.** (2016, November). *Digital divide in online learning*. Association for the Advancement of Computing in Education World Conference on E-Learning, Washington, D.C.
47. Alkarzon, M., **Walker, D. A.**, & Mayall, H. (2016, October). *Diffusion of innovation and online training adoption*. Mid-Western Educational Research Association, Evanston, IL.
48. Alshahrani, H. A., & **Walker, D. A.** (2016, October). *Behavioral intention to adopt mobile learning among university students in Saudi Arabia*. Mid-Western Educational Research Association, Evanston, IL.
49. Martin, A. L., Reeves, T. D., Smith, T. J., & **Walker, D. A.** (2016, October). *Computer proficiency for online learning: Factorial invariance of scores among teachers*. Mid-Western Educational Research Association, Evanston, IL.
50. Smith, T. J., **Walker, D. A.**, & McKenna, C. M. (2016, October). *An exploration of link functions used in ordinal regression*. Mid-Western Educational Research Association, Evanston, IL.
51. **Walker, D. A.** (2016, October). *r and r biased adjustment indices with confidence intervals*. Mid-Western Educational Research Association, Evanston, IL.
52. **Walker, D. A.**, Reeves, T. D., Smith, T. J., Sanga, I., Al-Shahrani, F., & Hung, W. C. (2016, October). *An evaluation of an online teaching and course development training program in Saudi Arabia*. Mid-Western Educational Research Association, Evanston, IL.
53. **Walker, D. A.**, Reeves, T. D., Smith, T. J., Comber, E. M., Martin, A. L., & Summers, K. H. (2016, September). *Confirmation of the factor structure of the Data Driven Decision-Making Efficacy and Anxiety inventory (3D-MEA) among teachers in the Midwest*. Illinois Education Research Council, Bloomington, IL.
54. Tonks, S. M., Summers, K. H., & **Walker, D. A.** (2016, August). *Development of reading autonomy measures for U.S. middle school students*. American Psychological Association, Denver, CO.
55. Alis, J. P., Salacinski, A. J., Nguyen, R. K., Chomentowski, P. J., Lukaszuk, J. M., & **Walker, D. A.** (2016, June). *Determining the effect of a coconut beverage on blood glucose and blood lactate concentrations*. American College of Sports Medicine, Boston, MA.
56. Nguyen R. K., Lukaszuk, J. M., Alis, J. P., Salacinski, A. J., **Walker, D. A.**, & Umoren, J. (2016, June). *Effectiveness of coconut water on treadmill anaerobic test performance*. American College of Sports Medicine, Boston, MA.
57. Martin, A., & **Walker, D. A.** (2016, April). *Factor exploration of a Christian identity scale*. American Educational Research Association, Washington, D.C.

58. Newman, I., Hitchcock, J. H., Newman, D. O., **Walker, D. A.**, Smith, T. J., Finch, W. H., & Brooks, G. P. (2016, April). *What if null hypothesis significance tests were banned? An interactive discussion of implications for general linear modeling*. American Educational Research Association, Washington, D.C.
59. Smith, T. J., **Walker, D. A.**, & McKenna, C. M. (2016, April). *A coefficient of discrimination for use with multinomial and ordinal regression models*. American Educational Research Association, Washington, D.C.
60. Hong, C., & **Walker, D. A.** (2015, October). *A confirmatory factor analysis of the Technology Acceptance Model concerning factors related to attitudes toward using Moodle in Cambodia*. Mid-Western Educational Research Association, Evanston, IL.
61. Martin, A., & **Walker, D. A.** (2015, October). *Factor exploration of a Christian identity scale*. Mid-Western Educational Research Association, Evanston, IL.
62. Reeves, T. D., **Walker, D. A.**, Smith, T. J., Sanga, I., & Al-Shahrani, F. (2015, October). *Tracking the growth of higher educators during an online teaching and course development training program*. Illinois Education Research Council, Lisle, IL.
63. Smith, T. J., **Walker, D. A.**, & McKenna, C. M. (2015, October). *A coefficient of discrimination for use with multinomial and ordinal regression models*. Mid-Western Educational Research Association, Evanston, IL.
64. **Walker, D. A.** (2015, October). *Two group program for Cohen's d , Hedges' g , η^2 , $Radj^2$, ω^2 , ε^2 , confidence intervals, and power*. Mid-Western Educational Research Association, Evanston, IL.
65. **Walker, D. A.**, & Downey, P. M. (2015, October). *Professional development schools enhancing literacy part II: Diagnosing reading problems and formulating literacy instruction*. Mid-Western Educational Research Association, Evanston, IL.
66. **Walker, D. A.**, & Smith, T. J. (2015, October). *Computing robust, bootstrap-adjusted fit indices for use with non-normal data*. Mid-Western Educational Research Association, Evanston, IL.
67. **Walker, D. A.**, & Downey, P. M. (2015, April). *Professional development schools enhancing literacy: Building a bridge to complex text and engaging every student*. American Educational Research Association, Chicago, IL.
68. Muehsler, H. E., Smith, T. J., & **Walker, D. A.** (2014, November). *A note on the use of Cohen's d and Common Language Effect*. Mid-Western Educational Research Association, Evanston, IL.
69. **Walker, D. A.** (2014, November). *A gender invariance study of the Attitudes Toward Science scale*. Mid-Western Educational Research Association, Evanston, IL.

70. **Walker, D. A.**, & Downey, P. M. (2014, April). *A school-university partnership's use of action research as an in-service clinical response initiative to develop the literacy-based instructional practices of teachers*. American Educational Research Association, Philadelphia, PA.
71. **Walker, D. A.**, & Paver, J. (2014, April). *Factors that predict the integration of technology for instruction by community college adjunct faculty*. American Educational Research Association, Philadelphia, PA.
72. Downey, P. M., & **Walker, D. A.** (2013, November). *A school-university partnership's use of action research as an in-service clinical response initiative to develop the literacy-based instructional practices of teachers*. Mid-Western Educational Research Association, Evanston, IL.
73. Muehlsler, H. E., Smith, T. J., & **Walker, D. A.** (2013, November). *A conceptual framework for assessment and factors related to K-12 student achievement*. Mid-Western Educational Research Association, Evanston, IL.
74. Paver, J., & **Walker, D. A.** (2013, November). *Community college adjunct faculty demographic characteristics that may predict intention to integrate technology into instruction: A literature-based model*. Mid-Western Educational Research Association, Evanston, IL.
75. Paver, J., & **Walker, D. A.** (2013, November). *Factors that predict the integration of technology for instruction by community college adjunct faculty*. Mid-Western Educational Research Association, Evanston, IL.
76. **Walker, D. A.** (2013, November). *A structural analysis of the Attitudes Toward Science scale: Attitudes and beliefs about science as a multi-dimensional composition*. Mid-Western Educational Research Association, Evanston, IL.
77. Nathans, L. L., Nimon, K., & **Walker, D. A.** (2013, April). *Use of the multiple lens approach to multiple regression findings with a national dataset*. American Educational Research Association, San Francisco, CA.
78. **Walker, D. A.**, & Downey, P. M. (2013, February). *Improving literacy-based instructional practices through action research projects*. National Association for Professional Development Schools, New Orleans, LA.
79. Newell, P., Elmore, P. B., & **Walker, D. A.** (2012, April). *Multiple linear regression articles and the article publication process*. American Educational Research Association, Vancouver, British Columbia, Canada.

80. Smith, M. C., **Walker, D. A.**, & Hamidova, N. I. (2012, April). *The Attitudes Toward Science scale revisited: Attitudes and beliefs about science as a multidimensional composition*. American Educational Research Association, Vancouver, British Columbia, Canada.
81. **Walker, D. A.** (2012, April). *Using student and institutional characteristics to predict graduation rates at community colleges: New developments in performance measures and institutional effectiveness*. American Educational Research Association, Vancouver, British Columbia, Canada.
82. **Walker, D. A.** (2012, April). *The varying composition of teacher and student perceptions of school climate: The importance of contextual factors in the middle school experience*. American Educational Research Association, Vancouver, British Columbia, Canada.
83. **Walker, D. A.**, & Downey, P. M. (2012, March). *Using action research to enhance instruction*. National Association for Professional Development Schools, Las Vegas, NV.
84. **Walker, D. A.**, Downey, P. M., & Smaldino, S. (2012, January). *Promoting achievement through literacy skills*. Hawaii International Conference on Education, Honolulu, HI.
85. Smith, M. C., **Walker, D. A.**, & Hamidova, N. (2011, November). *Distinguishing students' attitudes toward science from their beliefs about science: Does it matter?* Southwest Consortium for Innovative Psychology in Education, Norman, OK.
86. **Walker, D. A.** (2011, October). *Promoting student achievement through integrated literacy instruction*. Mid-Western Educational Research Association, St. Louis, MO.
87. **Walker, D. A.** (2011, October). *Using student and institutional characteristics to predict graduation rates at community colleges: New developments in performance measures and institutional effectiveness*. Mid-Western Educational Research Association, St. Louis, MO.
88. **Walker, D. A.** (2010, October). *Applying a cost-benefit template to program evaluation: The beginning of a long conversation*. Mid-Western Educational Research Association, Columbus, OH.
89. **Walker, D. A.** (2010, October). *A climate analysis from a large, urban middle school: Contextual factors matter*. Mid-Western Educational Research Association, Columbus, OH.
90. **Walker, D. A.** (2010, October). *Dispositions ambassadors: Supporting initial certification candidates' development of dispositions for teaching*. Mid-Western Educational Research Association, Columbus, OH.
91. **Walker, D. A.**, & Borg, T. (2010, May). *A dispositions model for a bilingual transition to teaching program*. American Educational Research Association, Denver, CO.

92. **Walker, D. A.**, Downey, P., & Smaldino, S. E. (2010, May). *A cost-benefit analysis from a professional development school partnership*. American Educational Research Association, Denver, CO.
93. Downey, P., **Walker, D. A.**, & Smaldino, S. E. (2010, April). *A leadership for learning school district-university partnership model for school improvement*. American Educational Research Association, Denver, CO.
94. **Walker, D. A.**, Smaldino, S., & Downey, P. M. (2010, March). *Enhancing leadership in a school-university partnership*. Professional Development Schools National Conference, Orlando, FL.
95. Downey, P. M., **Walker, D. A.**, & Smaldino, S. (2010, January). *A summer college camp experience used to recruit and motivate high school students*. Hawaii International Conference on Education, Honolulu, HI.
96. **Walker, D. A.**, & Downey, P. M. (2010, January). *A summative evaluation of a professional development school partnership*. Hawaii International Conference on Education, Honolulu, HI.
97. **Walker, D. A.** (2009, October). *Dispositions development: A data-driven model in a bilingual transition to teaching external partnership program*. Mid-Western Educational Research Association, St. Louis, MO.
98. **Walker, D. A.** (2009, October). *Leadership transformation: A school district-university partnership*. Mid-Western Educational Research Association, St. Louis, MO.
99. **Walker, D. A.** (2009, October). *A Model for a cost-benefit analysis from a professional development school evaluation*. Mid-Western Educational Research Association, St. Louis, MO.
100. **Walker, D. A.** (2009, October). *Out-of-class educational experiences for at-risk high school students and pre-service teachers*. Mid-Western Educational Research Association, St. Louis, MO.
101. Downey, P. M., **Walker, D. A.**, & Smaldino, S. (2009, July). *Results, best practices, and next steps in a school-university partnership*. Conference for Partnerships and Professional Development Schools, State College, PA.
102. Downey, P. M., **Walker, D. A.**, & Smaldino, S. (2009, April). *A long-term professional development school collaboration: Results, best practices, and lessons learned by the partnership*. American Educational Research Association, San Diego, CA.
103. **Walker, D. A.** (2009, April). *A confirmatory factor analysis of the Attitudes Toward Research scale*. American Educational Research Association, San Diego, CA.

104. **Walker, D. A.** (2009, April). *The SSER method: Extensions within the General Linear Model*. American Educational Research Association, San Diego, CA.
105. Downey, P. M., **Walker, D. A.**, & Smaldino, S. (2009, March). *Professional development for in-service and pre-service teachers using e-learning modules*. Society for Information Technology and Teacher Education, Charleston, SC.
106. Downey, P. M., & **Walker, D. A.** (2009, February). *District-wide leadership transformation through a school-university collaboration*. American Association of Colleges for Teacher Education, Chicago, IL.
107. **Walker, D. A.**, Downey, P. M., & Smaldino, S. (2009, February). *Sustainable partnerships: Results, best practices, and SCDE perspectives from a five-year professional development school*. American Association of Colleges for Teacher Education, Chicago, IL.
108. **Walker, D. A.**, Melin, L. S., & Borg, T. (2009, February). *Dispositions development: A data-driven model in a bilingual transition-to-teaching external partnership program*. American Association of Colleges for Teacher Education, Chicago, IL.
109. Downey, P. M., & **Walker, D. A.** (2009, January). *District-wide leadership reform through a school-university partnership*. Hawaii International Conference on Education, Honolulu, HI.
110. **Walker, D. A.**, & Downey, P. M. (2009, January). *A five-year school-university partnership: Results, best practices, and lessons learned*. Hawaii International Conference on Education, Honolulu, HI.
111. Downey, P. M., Smaldino, S., & **Walker, D. A.** (2008, October). *The use of e-learning modules for pre-service and in-service teacher professional development*. International Visual Literacy Association, Blacksburg, VA.
112. **Walker, D. A.** (2008, October). *A confirmatory factor analysis of the Attitudes Toward Research scale*. Mid-Western Educational Research Association, Columbus, OH.
113. **Walker, D. A.** (2008, October). *The Statistically Significant Exact Replication method: Extensions within the general linear model*. Mid-Western Educational Research Association, Columbus, OH.
114. **Walker, D. A.** (2008, October). *What have we learned?: Results from a five-year evaluation of a professional development school model*. Mid-Western Educational Research Association, Columbus, OH.

115. **Walker, D. A.**, & Melin, L. S. (2008, October). *How to create a dispositions model for program improvement and external accreditation: Results and lessons learned*. Mid-Western Educational Research Association, Columbus, OH.
116. **Walker, D. A.**, & Melin, L. (2008, April). *A data-driven dispositions model for teacher candidates and program review*. Higher Learning Commission, Chicago, IL.
117. Downey, P. M., **Walker, D. A.**, & Smaldino, S. (2008, March). *24/7 professional development for in-service and pre-service teachers: E-learning modules*. American Educational Research Association, New York, NY.
118. **Walker, D. A.** (2008, March). *All possible kappa coefficient values and cell distributions in a 2 x 2 matrix for small samples*. American Educational Research Association, New York, NY.
119. **Walker, D. A.** (2008, March). *The impact of rater disagreement on chance-corrected inter-rater agreement indices with equal and unequal marginal proportions*. American Educational Research Association, New York, NY.
120. **Walker, D. A.**, Sorensen, C., Downey, P. M., & Smaldino, S. (2008, March). *Inclusive school reform via PDS: An analysis of data from a three-tiered partnership model*. American Educational Research Association, New York, NY.
121. **Walker, D. A.**, Downey, P. M., & Kuehl, D. (2008, February). *Recruiting students from diverse populations into the teaching profession: A school-community college-university preparation model*. American Association of Colleges for Teacher Education, New Orleans, LA.
122. **Walker, D. A.**, Sorensen, C., & Downey, P. M. (2008, February). *What does quality, sustainability, and fidelity look like in a three-tiered partnership: REAL results*. American Association of Colleges for Teacher Education, New Orleans, LA.
123. Downey, P. M., **Walker, D. A.**, Smaldino, J., & Smaldino, S. (2008, January). *The use of e-learning modules for pre-service and in-service teacher professional development*. Hawaii International Conference on Education, Honolulu, HI.
124. **Walker, D. A.**, Sorensen, C., Downey, P. M., & Smaldino, S. (2008, January). *Constructing quality, sustainability, and fidelity: Research findings from an urban school-university partnership*. Hawaii International Conference on Education, Honolulu, HI.
125. **Walker, D. A.** (2007, October). *All possible kappa coefficient values and cell distributions in a 2 x 2 matrix for small samples*. Mid-Western Educational Research Association, St. Louis, MO.

126. **Walker, D. A.** (2007, October). *The impact of rater disagreement on chance-corrected inter-rater agreement indices with equal and unequal marginal proportions*. Mid-Western Educational Research Association, St. Louis, MO.
127. **Walker, D. A.** (2007, October). *A three-year evaluation of a professional development school intervention*. Mid-Western Educational Research Association, St. Louis, MO.
128. **Walker, D. A.** (2007, July). *Addressing teacher shortages through a community college-university partnership: Recruiting students from under-represented backgrounds into the teaching profession*. Association of Teacher Educators, Milwaukee, WI.
129. **Walker, D. A., & Melin, L.** (2007, July). *Use of LiveText for collaborative assessment, remediation, and documentation of teacher candidates' dispositions at Northern Illinois University*. LiveText Conference, Chicago, IL.
130. **Walker, D. A., & Sorensen, C.** (2007, July). *A school-community college-university professional development model: REAL results*. Association of Teacher Educators, Milwaukee, WI.
131. **Walker, D. A., & Sorensen, C.** (2007, June). *An Illinois teacher quality partnership: Preliminary results from a professional development school intervention*. Illinois Education Research Symposium, Orland Park, IL.
132. **Walker, D. A.** (2007, April). *Estimating how many observations are needed to obtain a required level of reliability: A method for classroom-based research*. American Educational Research Association, Chicago, IL.
133. **Walker, D. A.** (2007, April). *Estimation methods for cross-validation prediction accuracy*. American Educational Research Association, Chicago, IL.
134. **Walker, D. A., & Hecht, J. B.** (2007, April). *SHARK: A data-driven tool for improving department information management and program assessment*. Higher Learning Commission, Chicago, IL.
135. **Walker, D. A., & Sorensen, C.** (2007, April). *Professional development schools and university-school partnerships in an urban setting*. Higher Learning Commission, Chicago, IL.
136. **Walker, D. A., Sorensen, C., Smaldino, S., & Downey, P. M.** (2007, April). *A professional development school intervention: Experiment, estimate, evaluate, and replicate*. American Educational Research Association, Chicago, IL.
137. **Downey, P. M., Mehlig, L., & Walker, D. A.** (2007, February). *E-learning modules developed for improvement of instruction with in-service and pre-service teachers*. American Association of Colleges for Teacher Education, New York, NY.

138. Downey, P. M., **Walker, D. A.**, & Kuehl, D. (2007, February). *Community college offers valuable resources to school/university partnership*. American Association of Colleges for Teacher Education, New York, NY.
139. Downey, P. M., **Walker, D. A.**, Smaldino, J., & Smaldino, S. (2007, January). *E-learning modules developed for improvement of instruction with in-service and pre-service teachers*. Hawaii International Conference on Education, Honolulu, HI.
140. **Walker, D. A.**, & Downey, P. M. (2007, January). *Preparing master teachers in an urban at-risk school district via the national board certification process*. Hawaii International Conference on Education, Honolulu, HI.
141. **Walker, D. A.**, & Downey, P. M. (2007, January). *A professional development school intervention at a multi-site urban school district*. Hawaii International Conference on Education, Honolulu, HI.
142. **Walker, D. A.**, Sorensen, C., & Downey, P. M. (2006, December). *REAL findings: Data and lessons learned from an urban school district-university partnership*. Teacher Quality Enhancement, Albuquerque, NM.
143. **Walker, D. A.** (2006, October). *Estimating how many observations or judgments are needed to obtain a required level of reliability*. Mid-Western Educational Research Association, Columbus, OH.
144. **Walker, D. A.** (2006, October). *Estimation methods for cross-validation prediction accuracy*. Mid-Western Educational Research Association, Columbus, OH.
145. **Walker, D. A.** (2006, October). *A professional development school intervention: Two years of data from Project REAL's quasi-experimental design*. Mid-Western Educational Research Association, Columbus, OH.
146. Wilson, C. L., Acker-Hocevar, M., Cruz-Janzen, M. I., Schoon, P. L., **Walker, D. A.**, & Bingham-Brown, A. (2006, June). *The proliferation of marginal research for dollars*. International Conference on Learning, Montego Bay, Jamaica.
147. **Walker, D. A.** (2006, April). *A comparison of eight shrinkage formulas under extreme conditions*. American Educational Research Association, San Francisco, CA.
148. **Walker, D. A.**, Sorensen, C., Downey, P., Smaldino, S., & Lieberman, J. M. (2006, April). *A design for selecting control schools for professional development school research*. American Educational Research Association, San Francisco, CA.
149. Lieberman, J. M., & **Walker, D. A.** (2006, January). *Connecting curriculum and instruction to national teaching standards to improve student learning in an urban at-risk school district*. Hawaii International Conference on Education, Honolulu, HI.

150. Lieberman, J. M., **Walker, D. A.**, Sorensen, C., & Downey, P. (2006, January). *Comprehensive school reform and Project REAL: An analysis of an urban at-risk partnership model*. Hawaii International Conference on Education, Honolulu, HI.
151. **Walker, D. A.**, Sorensen, C., Downey, P., Smaldino, S., & Lieberman, J. M. (2006, January). *A research design for selecting control schools for a school-university partnership in a high-need urban district*. Hawaii International Conference on Education, Honolulu, HI.
152. Downey, P., Sorensen, C., Courtney, K., Perkins, P., & **Walker, D. A.** (2005, November). *Dealing with change, creating a true partnership: Strategies for maintaining the project when key personnel change*. Teacher Quality Enhancement, Washington, D.C.
153. **Walker, D. A.** (2005, October). *A comparison of the Spearman-Brown and Flanagan-Rulon formulas for split-half reliability under various variance parameter conditions*. Mid-Western Educational Research Association, Columbus, OH.
154. **Walker, D. A.** (2005, October). *A modified shrinkage formula for extreme conditions*. Mid-Western Educational Research Association, Columbus, OH.
155. **Walker, D. A.** (2005, October). *Using the Interactive Illinois Report Card to select control schools for a teacher quality enhancement grant*. Mid-Western Educational Research Association, Columbus, OH.
156. **Walker, D. A.** (2005, October). Using simulations to teach statistical concepts. In R. Barcikowski (Chair), *Simulations and online technology as learning tools in statistics courses*. Mid-Western Educational Research Association, Columbus, OH.
157. Acker-Hocevar, M., Cruz-Janzen, M. I., Wilson, C. L., Schoon, P. L., & **Walker, D. A.** (2005, July). *The need to re-establish schools as dynamic positive human energy systems that are non-linear and self-organizing: The learning partnership tree*. International Conference on Learning, Granada, Spain.
158. Schoon, P. L., Wilson, C. L., **Walker, D. A.**, Cruz-Janzen, M. I., Acker-Hocevar, M., & Bingham-Brown, A. (2005, July). *A systems alignment model for evaluating school practices*. International Conference on Learning, Granada, Spain.
159. **Walker, D. A.** (2005, April). *Bias affiliated with two variants of Cohen's d when determining U or the percentage of non-overlap*. American Educational Research Association, Montréal, Québec, Canada.
160. **Walker, D. A.** (2005, April). *An SPSS matrix for determining effect sizes: r related, differences between proportions, and differences between means*. American Educational Research Association, Montréal, Québec, Canada.

161. **Walker, D. A.**, & Mohammed, S. F. (2005, April). *Predicting group membership and the ranking of predictor variables using NAEP math data*. American Educational Research Association, Montréal, Québec, Canada.
162. Clyde, C., Floyd, D. L., & **Walker, D. A.** (2004, November). *Influences of an experiential learning program for holocaust education*. Association for the Study of Higher Education, Kansas City, MO.
163. Mohammed, S. F., & **Walker, D. A.** (2004, November). *Predicting group membership and the ranking of predictor variables using NAEP math data*. Florida Educational Research Association, Tampa, FL.
164. **Walker, D. A.**, Sorensen, C., Kitterle, F., & Downey, P. (2004, November). *Selecting control schools in a matched pairs design: Project REAL's methodology*. Teacher Quality Enhancement, Phoenix, AZ.
165. **Walker, D. A.** (2004, October). *Cohen's U_1 as a measure of the percentage of non-overlap: Two SPSS simulation programs to evaluate its central tendency and variability properties*. Mid-Western Educational Research Association, Columbus, OH.
166. **Walker, D. A.** (2004, October). *Indexing Smith's standard error of measurement for different scores and test lengths*. Mid-Western Educational Research Association, Columbus, OH.
167. **Walker, D. A.** (2004, October). *Predicting group membership and the ranking of predictor variables using NAEP math data*. Mid-Western Educational Research Association, Columbus, OH.
168. **Walker, D. A.** (2004, April). *Assessing Florida's CLAST for predicting undergraduate GPA: A predictive discriminate analysis model*. American Educational Research Association, San Diego, CA.
169. **Walker, D. A.**, & Mohammed, S. F. (2004, April). *A resource inputs model examining NAEP reading score change from 1994-1998: State median household income and free and reduced-price lunch percentages matter*. American Educational Research Association, San Diego, CA.
170. Wilson, C. L., Schoon, P. L., **Walker, D. A.**, Bingham-Brown, A., Cruz-Janzen, M.I., & Acker-Hocevar, M. (2004, April). *Methodological issues related to evidence-based research and claims: A critical essay*. American Educational Research Association, San Diego, CA.
171. Mohammed, S. F., & **Walker D. A.** (2003, November). *NAEP reading score change from 1994-1998: A latent growth curve analysis of variables from a path model*. Florida Educational Research Association, Orlando, FL.

172. Schoon, P. L., Acker-Hocevar, M., Cruz-Janzen, M. I., Wilson, C. L., **Walker, D. A.**, Supran, E., & Bingham-Brown, A. (2003, November). *Transforming a systems alignment model to a learning partnership with roots of sustainable reform*. Florida Educational Research Association, Orlando, FL.
173. **Walker, D. A.** (2003, October). *Calculating effect sizes from reported n , M , and SD for 2 group designs*. Mid-Western Educational Research Association, Columbus, OH.
174. **Walker, D. A.** (2003, October). *An exploratory factor analysis of a preparedness scale for K-12 teachers in South Florida*. Mid-Western Educational Research Association, Columbus, OH.
175. **Walker, D. A.** (2003, October). *The predictive validity of Florida's CLAST for predicting GPA: A revisal*. Mid-Western Educational Research Association, Columbus, OH.
176. Young, D., & **Walker, D. A.** (2003, May). *Impact of weights and design effects on contingency tables and chi square analysis: An example using a data set from the National Center for Education Statistics*. Association for Institutional Research, Tampa, FL.
177. Acker-Hocevar, M., Cruz-Janzen, M. I., Schoon, P. L., **Walker, D. A.**, Wilson, C. L., & Supran, E. (2003, April). *Questions or sustainable school improvement and the policies surrounding poverty and limited English proficiency*. American Educational Research Association, Chicago, IL.
178. Floyd, D. L., & **Walker, D. A.** (2003, April). *Community college teacher education: A typology, challenging issues, and state views*. Council for the Study of Community Colleges, Dallas, TX.
179. **Walker, D. A.**, & Young, D. (2003, April). *Example of the impact of weights and design effects on contingency tables and chi square analysis*. American Educational Research Association, Chicago, IL.
180. **Walker, D. A.**, & Mohammed, S. F. (2003, March). *Score changes and effect sizes from 4th to 8th grade by state: NAEP mathematics (1992-96) and reading (1994-1998) scores compared to state median household income*. Florida Atlantic University Student Advisory Council Research Symposium, Boca Raton, FL.
181. **Walker, D. A.** (2002, November). Grappling with methodological issues. In M. Acker-Hocevar (Chair), *Making the sun shine on disadvantaged students in Florida*. Florida Educational Research Association, Gainesville, FL.
182. **Walker, D. A.** (2002, November). *A table for converting Kendall's tau to other r-related statistics: A replication analysis*. Florida Educational Research Association, Gainesville, FL.

183. **Walker, D. A., & Young, D.** (2002, November). *Example of the impact of weights and design effects on contingency tables and chi square analysis*. Florida Educational Research Association, Gainesville, FL.
184. **Walker, D. A.** (2002, April). *What factors influence admissions directors' salaries?* Southern Association for College Admission Counseling, Fort Lauderdale, FL.
185. **Walker, D. A.** (2001, April). *Student affairs professionals' perceptions of international students at small colleges*. American Educational Research Association, Seattle, WA.
186. **Walker, D. A.** (1998, October). *Student affairs professionals' perceptions of the concerns and feelings of international students at private, four-year liberal arts institutions*. Midwest Meeting of Graduate Students in Student Personnel, Ames, IA.
187. **Walker, D. A.** (1997, November). *Cultivating diversity: The use of international experiences as teaching tools*. Iowa Student Personnel Association, Cedar Rapids, IA.
188. **Walker, D. A.** (1997, October). *Diversity issues: My five years in the Democratic Republic of Congo and Mauritania*. Association of International Educators, Minneapolis, MN.
189. **Walker, D. A.** (1997, October). *An evaluation plan for campus programs*. Association for Institutional Research in the Upper Midwest, St. Paul, MN.

RESEARCH PRESENTATIONS

INVITED

190. Hahn, K., Lukaszuk, J., Barrett, S., & **Walker, D. A.** (2021, November). *The prevalence of Metabolic Syndrome risk factors in association to different diet types*. Northern Illinois Academy of Nutrition & Dietetics. Northern Illinois University, College of Human and Health Sciences, DeKalb, IL.
191. **Walker, D. A.**, & Fisher, T. (2019, February). *Project FIRST (Faculty Integration and Refocusing for Successful Transitions): The path to full professorship*. Northern Illinois University, College of Education, DeKalb, IL.
192. **Walker, D. A.** (2017, December). *Grant writing: How to obtain funding for educational research*. Northern Illinois University, Department of Educational Technology, Research, and Assessment, DeKalb, IL.
193. **Walker, D. A.** (2017, April). *Learning outcomes: Classroom and beyond*. Assessment Expo: Showcasing Best Practices in Assessing Learning Outcomes, Northern Illinois University, DeKalb, IL.
194. **Walker, D. A.** (2017, March). *Trends in international education*. International Education Forum, Miaoli, Taiwan.
195. **Walker, D. A.**, & Hung, W.-C. (2017, March). *The NIU experience of promoting an international dimension in education*. International Education Forum, Miaoli, Taiwan.
196. Borg, T., Elish-Piper, L., Hadi-Tabassum, S., Hung, W.-C., Johnson, L. R., Sanga, I. Smith, T. J., & **Walker, D. A.** (2016, November). *Teacher preparation and professional development*. Global Open Imagination Project on Teaching Innovation and Education Excellence, Miaoli, Taiwan.
197. **Walker, D. A.** (2016, November). *Action research: Teacher inquiry for K-12 in-class questions*. Global Open Imagination Project on Teaching Innovation and Education Excellence, Miaoli, Taiwan.
198. **Walker, D. A.** (2016, November). *Opportunities for international education advancement: Developments from the United States, Asia, and Oceania*. Keynote Address at the Asia-Pacific Educational Research Association/Taiwan Education Research Association, Kaohsiung, Taiwan.
199. **Walker, D. A.** (2016, August). *Assessment, accreditation, data, and curricular innovation: Opportunities in the College of Education*. Northern Illinois University, College of Education, DeKalb, IL.

200. **Walker, D. A.** (2014, November). *International engagement: Trends and possibilities*. Keynote Presidential Address at the Mid-Western Educational Research Association, Evanston, IL.
201. Smith, T. J., & **Walker, D. A.** (2014, October). *Survey research with Qualtrics*. Northern Illinois University, Educational, Technology, Research, and Assessment, DeKalb, IL.
202. **Walker, D. A.**, Summers, K. H., & Santuzzi, A. (2014, August). *Effective and ethical evaluation within a balanced assessment framework*. Northern Illinois University's Center for the Interdisciplinary Study of Language and Literacy and DeKalb C.U.S.D. #428, DeKalb, IL.
203. **Walker, D. A.**, Smith, T. J., & Muehsler, H. E. (2013, October). *A conceptual framework for assessment and factors related to K-12 student achievement*. Forecast5 Analytics Conference, Naperville, IL.
204. **Walker, D. A.** (2012, October). *Engaging students in the research process*. Wadsworth Publishing/Cengage Learning Research Forum, Belmont, CA.
205. **Walker, D. A.** (2012, July). *Using action research for in-class and out-of-class questions*. Northern Illinois University's Promoting Achievement through Literacy Skills (PALS) Grant Series, Eisenhower Middle School: Rockford, IL.
206. **Walker, D. A.** (2012, June). *Action research in your school*. Northern Illinois University's Promoting Achievement through Literacy Skills (PALS) Grant Series, Eisenhower Middle School: Rockford, IL.
207. **Walker, D. A.** (2011, November). *Action research: An overview for classroom use*. Northern Illinois University's Promoting Achievement through Literacy Skills (PALS) Grant Series, Auburn High School: Rockford, IL.
208. **Walker, D. A.** (2011, April). *Technology proficiencies*. Northern Illinois University, College of Education Assessment Data Forum, DeKalb, IL.
209. **Walker, D. A.** (2011, March). *Exit surveys and other measures of students' perceptions and/or abilities*. Northern Illinois University, College of Education Assessment Data Forum, DeKalb, IL.
210. **Walker, D. A.** (2011, February). *Diversity proficiencies*. Northern Illinois University, College of Education Assessment Data Forum, DeKalb, IL.
211. **Walker, D. A.** (2010, November). *Response to intervention*. Northern Illinois University, Committee on Initial Teacher Certification RtI Forum, DeKalb, IL.

212. **Walker, D. A.** (2010, September). *The College of Education's assessment systems: An introduction for new faculty*. Northern Illinois University, College of Education New Faculty Forum, DeKalb, IL.
213. **Walker, D. A.** (2009, September). *Assessment and data collection for program improvement*. Northern Illinois University, College of Education New Faculty Forum, DeKalb, IL.
214. **Walker, D. A.** (2009, April). *Resampling methods: The bootstrap and jackknife*. Northern Illinois University, Educational Technology, Research, and Assessment Course on Methods of Multivariate Analysis, DeKalb, IL.
215. **Walker, D. A.** (2008, November). *Theoretical and basic uses for my teaching, research, and service*. Northern Illinois University, Educational Psychology Course on Professional Practices in Educational Psychology, DeKalb, IL.
216. **Walker, D. A.** (2008, September). *The role of assessment, data, and LiveText in teacher education credentialing and degree program review*. Northern Illinois University, College of Education New Faculty Forum, DeKalb, IL.
217. **Walker, D. A.** (2008, April). *Bootstrapping techniques*. Northern Illinois University, Educational Technology, Research, and Assessment Course on Methods of Multivariate Analysis, DeKalb, IL.
218. **Walker, D. A.** (2008, March). *Program-level assessment initiatives and plans*. Northern Illinois University, Educational Foundations Forum on Assessment, DeKalb, IL.
219. **Walker, D. A.** (2007, October). *Assessment and data use*. Northern Illinois University, College of Education New Faculty Forum, DeKalb, IL.
220. **Walker, D. A.** (2007, October). *Scholarship and productivity: Strategies for developing and maintaining an active research agenda*. In D. Jenkins (Chair), *Tips for successful scholarly writing*. Mid-Western Educational Research Association, St. Louis, MO.
221. **Walker, D. A.** (2007, May). *Research tools for in-class observations and data analysis*. Northern Illinois University, College of Education ITAAR Project, DeKalb, IL.
222. **Walker, D. A.** (2007, February). *REAL teacher quality enhancement: Results from a university-urban school district partnership*. The Associated Colleges of Illinois, Chicago, IL.

223. **Walker, D. A.** (2007, February). *Statistical and design methods: Theoretical and basic uses for my research and teaching*. Northern Illinois University, Department of Educational Technology, Research, and Assessment Pro-seminar in Educational Research and Evaluation, DeKalb, IL.
224. **Walker, D. A.** (2006, November). *Assessment for program improvement*. Northern Illinois University, College of Education New Faculty Forum, DeKalb, IL.
225. **Walker, D. A.** (2006, November). *The College of Education's assessment tools for internal and external program improvement*. Northern Illinois University, Campus Assessment Network, DeKalb, IL.
226. **Walker, D. A.** (2006, April). *The use of a handheld computer and internet-based score reliability calculator for observational data collection and analysis*. Northern Illinois University, College of Education ITAAR Project, DeKalb, IL.
227. **Walker, D. A.** (2005, October). *Predicting group membership and the ranking of predictor variables using NAEP math data*. Gold Standard(s) of Quality Research in Science Literacy Conference, University of Victoria, British Columbia, Canada.
228. **Walker, D. A.** (2004, October). Bootstrapping techniques in AMOS. In C. Cappell (Chair), *Current practices in SEM: Issues and controversy*. Mid-Western Educational Research Association, Columbus, OH.
229. **Walker, D. A.** (2004, March). *Using web-based instructional supplements to promote the pedagogical delivery of measurement and research courses*. Northern Illinois University, College of Education PT3 CENTTER Project, DeKalb, IL.
230. **Walker, D. A.** (2002, June). *Effect size and mean score change from 4th to 8th grade by state: NAEP math (1992-96) and reading (1994-98)*. NAEP Analysis Institute, Potomac, MD.
231. **Walker, D. A.** (2002, January). *To weight or not to weight: Design effect examples using databases from the National Center for Education Statistics*. Florida Atlantic University, College of Education Faculty Research Program, Boca Raton, FL.
232. **Walker, D. A.** (2001, November). Teaching an undergraduate measurement course. In L. M. Carey (Chair), *Classroom assessment: Supporting teachers and learning*. Florida Educational Research Association, Marco Island, FL.
233. **Walker, D. A.** (2001, August). *The effects of correct weighting on cell sizes and the chi-squared statistic: A TIMSS-R example*. TIMSS-R Analysis Institute, Potomac, MD.

234. **Walker, D. A.** (2001, June). *A longitudinal analysis of student affairs programming expenditures: IPEDS data, 1991-1995*. NSF/NCES/AIR Summer Data Institute, Potomac, MD.
235. **Walker, D. A.** (2000, June). *Study abroad experiences*. Iowa State University, College of Education Student Affairs Institute, Ames, IA.

AWARDS and HONORS

- *Recipient*, Mid-Western Educational Research Association “Beyond the Call” Award, 2021
- *Recipient*, Iowa State University of Science and Technology Virgil S. Lagomarcino Laureate Award, 2017
- *Recipient*, Society for Information Technology and Teacher Education Honorable Mention Poster Presentation Award, 2009.
- *Recipient*, NIU College of Education Research Award, 2004.
- *Recipient*, American Educational Research Association Distinguished Paper Award via the Consortium of State and Regional Educational Research Associations (SRERA), 2003.
- *Nominee*, Distinguished Paper Award, Florida Educational Research Association, 2003.
- *Nominee*, Best Paper Award, Association for Institutional Research, 2003.
- *Recipient*, Distinguished Paper Award, Florida Educational Research Association, 2002.
- *Fellow*, National Center for Education Statistics, Washington, D.C., 2002.
- *Fellow*, National Center for Education Statistics, National Science Foundation, & Association for Institutional Research, Washington, D.C., 2001.

INSTRUCTION: UNIVERSITY

Northern Illinois University:

- Various 799: Dissertation (Chair)
- ETR 722: Methods of Multivariate Analysis
- ETR 720: Advanced Research Methods in Education
- ETR 699 A, B, C: Thesis, Research Project, Portfolio (Chair)
- ETR 597/797: Independent Studies:
 - Advanced Literature Review
 - Binary Logistic Regression
 - Dissertation Methodological Alignment
 - Factor Analyses
 - Instrument Development
 - Multiple Linear Regression
 - Regression: Mediation
 - Secondary Data Analyses
 - Survey Research
- ETR 590/790: Workshops in Research and Assessment:
 - Academic Research Conference Study
 - Advanced Data Analyses in SPSS Software
 - Categorical and Ordinal Logistic Regression Modeling
 - Factor Analysis: PCA, EFA, and CFA Methods using SPSS and AMOS Software
 - Factor Analyses and Reliability/Instrument Quality Analysis
 - Multicollinearity Alternative Techniques: Ridge Regression and Principal Components Regression
- ETR 587: Practicum in Educational Research and Evaluation
- ETR 586: Internship in Research and Evaluation
- ETR 522: Educational Statistics II
- ETR 521: Educational Statistics I
- ETR 520: Introduction to Educational Research
- ETR 501/592: Special Topics in Research and Assessment
 - Conference Study and Presentation at the American Educational Research Association
 - Conference Study and Presentation at the Midwestern Educational Research Association
- ETR 440: Secondary Classroom Assessment
- ETR 430: Tests and Measurement

Florida Atlantic University:

- EDF 3430: Measurement and Evaluation
- EDA 7943: Field Project: Structural Equation Modeling

Iowa State University:

- RE 550: Educational Research

INSTRUCTION: INTERNATIONAL

- *Community Development Educator*, United States (U.S.) Peace Corps & the Islamic Republic of Mauritania Ministry of Health, Nouakchott, Mauritania, 1992 - 1994.
- *Water & Health Instructor*, U.S. Peace Corps, Kaedi, Mauritania, 1993.
- *Training Specialist*, Centre d'Etudes et de Recherche, Tshikaji, Democratic Republic of Congo, 1990 - 1991.
- *Water & Sanitation Instructor*, U.S. Peace Corps & the Institut Supérieur Pédagogique, Bukavu, Democratic Republic of Congo, 1990.
- *Water & Sanitation Educator*, U.S. Peace Corps & the Democratic Republic of Congo Ministry of Health, Kinshasa, Democratic Republic of Congo, 1989 - 1991.

**INSTRUCTION: MASTER'S THESIS and SUMMATIVE
PROJECT COMMITTEES**

Student	Title	Discipline	Study	Completed
Reethu James	<i>Associations Between Screen Time and Obesity/Overweight</i>	Nutrition and Dietetics	Thesis	M.S. Pending
Erin Bannister	<i>Validation of pRMR Equations in a Non-Caucasian Sample: Ethnicity as a Variable in Predicting Resting Metabolic Rate</i>	Nutrition and Dietetics	Thesis	M.S. 2022
Keri Hahn	<i>The Prevalence of Metabolic Syndrome Risk Factors in Association to Different Diet Types</i>	Nutrition and Dietetics	Non-Thesis Research Project	M.S. 2022
Spencer Herkes	<i>Inulin and Anxiety Scores in College Students</i>	Nutrition and Dietetics	Thesis	M.S. 2021
Yan Chen	<i>Developing Young Hispanic/Latinx English Learners' Intercultural Sensitivity Through a Mobile-Assisted Funds of Knowledge-Featured Narrative Writing Practice</i>	Educational Research and Evaluation	Non-Thesis Research Project	M.S. 2019
Natasha Kirkbride	<i>Effect of Tart Cherry Concentrate on Pain, Inflammation, and Strength</i>	Nutrition and Dietetics	Thesis	M.S. 2018
Karen Jensen	<i>The Relationship Between Knowledge of and Confidence in Sports Nutrition Knowledge Among Division I Collegiate Cross Country and Track & Field Athletes and Coaches</i>	Nutrition and Dietetics	Non-Thesis Research Project	M.S. 2017
Kayla Droessler	<i>Assessment of Sports Nutrition Knowledge and Dietary Intake of Division I Collegiate Cross Country and Track & Field Athletes and Coaches</i>	Nutrition and Dietetics	Non-Thesis Research Project	M.S. 2017
Erin Carney	<i>Associations of Intuitive Eating Scores and Perceived Stress Levels in College Students</i>	Nutrition and Dietetics	Thesis	M.S. 2017
Amy Martin	<i>Confirmatory Factor Analysis of an Evangelical Christian Identity Scale</i>	Educational Research and Evaluation	Non-Thesis Research Project	M.S. 2017

Lori Townsend	<i>ERE Master's Portfolio</i>	Educational Research and Evaluation	Portfolio	M.S. 2017
Brittany Hyde	<i>ERE Master's Portfolio</i>	Educational Research and Evaluation	Portfolio	M.S. 2016
Tawanda Gibson	<i>ERE Master's Portfolio</i>	Educational Research and Evaluation	Portfolio	M.S. 2016
Joshua Alis	<i>The Effects of a Coconut Water Electrolyte Beverage on Blood Glucose and Lactate Concentrations</i>	Kinesiology and Physical Education (Exercise Physiology)	Thesis	M.S.Ed. 2015
Rayanne Nguyen	<i>The Effectiveness of a Coconut Beverage on Exercise Performance</i>	Nutrition and Dietetics	Thesis	M.S. 2015
Ellen Pudney	<i>Impact of Client-Centered Tailored vs. Expert-Centered Tailored Nutrition Education on the Perceived Autonomy of Food Pantry Clients</i>	Nutrition and Dietetics	Thesis	M.S. 2015
Chenda Hong	<i>Predictors of Attitudes Toward the Use of Moodle for Learning English in a Blended Learning Environment in Cambodia</i>	Educational Research and Evaluation	Thesis	M.S. 2015
Alecia Huggler	<i>The Effect of Diabetes Self-Management Training on Perceived Quality of Life</i>	Nutrition and Dietetics	Thesis	M.S. 2015
Meagan O'Connor	<i>Effects of Eccentric Weight Training and a Whey Beverage on Muscular Hypertrophy and Strength in Trained Males</i>	Nutrition and Dietetics	Thesis	M.S. 2015
Anna Collins	<i>Achievement and Aspirations in Mathematics and Science: Associations with Gifted Students' Flow Experiences</i>	Educational Psychology	Thesis	M.S.Ed. 2013
Rebecca Picchi	<i>Block Scheduling and PSAE Scores</i>	Educational Research and Evaluation	Non-Thesis Research Project	M.S. 2012
Nigorahon Hamidova	<i>Students' Beliefs about and Attitudes Toward Science: Are They Different?</i>	Educational Psychology	Thesis	M.S.Ed. 2011

Neal Naftzger	<i>Using Rasch Modeling Techniques to Address Issues of Reliability and Error Variation in Ecometric-Oriented Studies</i>	Educational Research and Evaluation	Thesis	M.S. 2011
Lulilia Palermo	<i>Examining Spanish Speaking Parents' Early Literacy Practices at Home and the Performance of their Pre-School Children on the Developmental Indicator for the Assessment of Learning-Third Edition (DIAL-3)</i>	Educational Research and Evaluation	Non-Thesis Research Project	M.S. 2009
Lorrie Erasmus	<i>High School Females' Attitudes Toward Science</i>	Educational Psychology	Non-Thesis Research Project	M.S.Ed. 2007
William Trapp	<i>Criteria to Evaluate Interpretive Guides for Criterion-Referenced Tests</i>	Educational Research and Evaluation	Non-Thesis Research Project	M.S. 2007

INSTRUCTION: DOCTORAL DISSERTATION COMMITTEES

Student	Title	Discipline	Study	Completed
Keygan Balaja	<i>Prebiotics and Anxiety Scores in College Students</i>	Health Sciences	Dissertation	Ph.D. Pending
Richard Sroka	<i>Pending</i>	Health Sciences	Dissertation	Ph.D. Pending
Simi Joseph	<i>Feasibility, Acceptability, and Clinical Effectiveness of Advanced Practice Nurse-led Virtual Clinically Integrated Practice Model for the Management of Gastroesophageal Reflux Disease in an outpatient setting: A Comparative Study (FACE Study)</i>	Health Sciences	Dissertation	Ph.D. 2023
Giselle Hernandez Navarro	<i>The Ambiguous Loss of Alcohol Use Disorders for Affected Family Members: Can Al-Anon Involvement and Psychological Flexibility Make a Difference?</i>	Counseling	Dissertation	Ph.D. 2023
Dustin Cox	<i>An Exploration of the Relationship Between Physical Therapists' Psychological Characteristics and Feedback Methods</i>	Health Sciences	Dissertation	Ph.D. 2023
Shubhagata Das	<i>Type II Diabetes and the Associated Risk of Breast Cancer in Postmenopausal Women</i>	Health Sciences	Dissertation	Ph.D. 2022
Adam Gregory	<i>Factors Contributing to College Counselors' Likelihood to Take a Client's Sexual History</i>	Counseling	Dissertation	Ph.D. 2022
Nosheen Gul	<i>Knowledge to Support Reading and Writing Among Teachers of Students who are Blind or Visually Impaired</i>	Educational Psychology	Dissertation	Ph.D. 2021
April Zawlocki	<i>Community College Full-Time Faculty Members' Perceptions of Course Grading</i>	Curriculum and Instruction	Dissertation	Ed.D. 2021
Quentin Moore	<i>Radiation Actions and Dimensions of Radiation Safety Among U.S. Radiologic Technologists</i>	Health Sciences	Dissertation	Ph.D. 2020
Brandon Male	<i>Stress Response and Performance Changes of Law Enforcement Officers' Marksmanship Under Varied Levels of Stress</i>	Health Sciences	Dissertation	Ph.D. 2019

Leonard Grinstead	<i>Student Perceptions of a Customer Service Model in a For-Profit Higher Education Institution</i>	Adult & Higher Education	Dissertation	Ed.D. 2019
Sunny Jonas	<i>Principals' Perceptions of Professional Development and Caring Communities for English Learners</i>	Curriculum and Instruction	Dissertation	Ed.D. 2019
Kelly Smith	<i>Preparedness of Student Affairs Professionals: Does a Counseling Degree Make a Difference?</i>	Counseling	Dissertation	Ph.D. 2018
Iwona Lech	<i>Language Learning in the Virtual Wild: The Influence of Emotions on Learning Another Language in Informal Virtual Environments</i>	Educational Psychology	Dissertation	Ph.D. 2018
Samantha Coyle	<i>Peer Social Support, Self-Efficacy Beliefs and Social Anxiety in Adolescence: A Test of Competing Models</i>	School Psychology	Dissertation	Ph.D. 2018
Lucy Parker	<i>Examination of the Relationship Between Classism and Career Agency</i>	Counseling	Dissertation	Ph.D. 2018
Raymond Geosling	<i>Investigating the Association among Perceived Social Support, Neuroticism, Extraversion, and Depressive Symptoms in Early Adolescents</i>	School Psychology	Dissertation	Ph.D. 2017
Tracy Peed	<i>School Counselor Supervisor Self-Efficacy and Professional Identity Related to Clinical Supervision Training and Willingness to Supervise</i>	Counseling	Dissertation	Ph.D. 2017
Denise Cote	<i>Examining Community College Faculty Attitudes Toward Open Educational Resources: A Mixed Methods Study</i>	Instructional Technology	Dissertation	Ph.D. 2017
Vicky McClure	<i>The Impact of the Microsoft Office PowerPoint Program on Students with Medical Conditions in a Home and Hospital Program</i>	Instructional Technology	Dissertation	Ph.D. 2017
Kelly Gross	<i>Art Students with Emotional Disabilities: High School Case Studies of Postmodern Learning, Social Interaction, and Academic Achievement</i>	Art Education	Dissertation	Ph.D. 2017

David Carroll	<i>The Reciprocal Effects of Band Instruction and Text Reading Strategies among Beginning Band Students</i>	Curriculum and Instruction	Dissertation	Ed.D. 2017
Joseph Ehrmann	<i>Using the Surveys of Enacted Curriculum to Predict Instructional Alignment from Professional Learning Community Components</i>	Curriculum and Instruction	Dissertation	Ed.D. 2017
Brian Glick	<i>Professional Identity of Student Conduct Administrators</i>	Adult & Higher Education	Dissertation	Ed.D. 2016
Christopher Grodoski	<i>Creativity, Policy, and Practice: A Three State Exploration of Relationships between Definitions of Creativity in State Art Education Policies and its Application by Middle Level Art Educators</i>	Art Education	Dissertation	Ph.D. 2016
Melissa Nordstrom Terry	<i>Social Support and Academic Engagement: Perceptions of Students with a Disability</i>	School Psychology	Dissertation	Ph.D. 2016
Tracy Taylor	<i>The Role of Interpersonal Trust and Authentic Leadership in the Language Development Success of Middle School English Language Learners</i>	Curriculum and Instruction	Dissertation	Ed.D. 2016
Manal Alkarzon	<i>Gender Differences in Attitudes toward Online Training in Qatar Private Institutions</i>	Instructional Technology	Dissertation	Ph.D. 2016
Hamed Alshahrani	<i>Investigating the Determinants of Mobile Learning Acceptance in Higher Education in Saudi Arabia</i>	Instructional Technology	Dissertation	Ph.D. 2016
Erika Schlichter	<i>Professional Learning Communities: Teacher Perception of Components of Professional Learning Communities in High Schools</i>	Educational Administration	Dissertation	Ed.D. 2015
Paula DiDomenico	<i>High School Teachers' Disciplinary Literacy Knowledge: A Mixed Methods Study</i>	Literacy	Dissertation	Ed.D. 2014
Jackie Murawska	<i>Pre-Service Elementary School Teachers' Conceptual Understanding of Place Value within a Constructivist Framework</i>	Curriculum and Instruction	Dissertation	Ed.D. 2013

Jonathan Paver	<i>Factors Influencing the Integration of Technology by Community College Adjunct Faculty</i>	Instructional Technology	Dissertation	Ed.D. 2012
Muhannad Al-Shboul	<i>Faculty Attitudes and Perceptions Concerning the Use of Course Management Systems in Higher Education</i>	Instructional Technology	Dissertation	Ed.D. 2007
Shereeza Mohammed	<i>State Planning Strategies to Implement the Scientific Based Research Components of the NCLB Act</i>	Educational Leadership	Dissertation	Ph.D. 2005

**INSTRUCTION: MASTER'S PRACTICA, INTERNSHIP, and
INDEPENDENT STUDIES**

Student	Title	Discipline	Study	Completed
Lori Townsend	<i>Co-Teaching ETR 450: Data Analysis for Design and Evaluation, NIU</i>	Educational Research and Evaluation	Practicum	2017
Ryan Kopatich	<i>Linguistic Distance and ESL Experiences</i>	Cognitive and Instructional Psychology	Independent Study: Regression - Mediation	2016
Lori Townsend	<i>An Application of the UTAUT Model for Understanding Attitudes Toward Online Training and Professional Development among American Workers</i>	Educational Research and Evaluation	Independent Study: Instrument Development	2016
Amy Martin	<i>1. Teaching ETR 520: Introduction to Educational Research, NIU 2. Assessment Measures of Job Candidates, Alabama</i>	Educational Research and Evaluation	Practicum	2015
Chenda Hong	<i>Voice of America-Cambodia, Washington, D.C.</i>	Educational Research and Evaluation	Internship	2014
Chenda Hong	<i>Predictors of English Learners' Attitudes toward the Use of Moodle in Cambodia</i>	Educational Research and Evaluation	Independent Study: Survey Research	2014
Madhurima Grover	<i>Conducting Factor Analysis with Models in Instructional Technology</i>	Instructional Technology	Independent Study: Factor Analyses	2004

INSTRUCTION: DOCTORAL INDEPENDENT STUDIES

Student	Title	Discipline	Study	Completed
Charles Cain	<i>Examining the Relationship among Pre-Kindergarten Center Experience, Socio-Economic Status, and Academic Achievement</i>	Instructional Technology	Independent Study: Secondary Data Analyses Using the Early Childhood Longitudinal Study (2011)	2015
Joseph Ehrmann	<i>Quantifying the Alignment of Classroom Instruction with National Standards and Assessments Using SEC Surveys</i>	Curriculum and Instruction	Independent Study: Dissertation Methodological Alignment	2015
Gabriel Osorio	<i>Bridging the Gap Between Educational Technology and Social Networking: A Citation Network Analysis</i>	Instructional Technology	Independent Study: Citation Network Analysis using Sci2 Software	2015
Fahad Al-Shahrani	<i>Identifying Faculty Online Teaching Self-Efficacy and Examining the Relationship Among Faculty Cultural Dimensions and Online Teaching Self-Efficacy Towards the Adoption of Online Education</i>	Instructional Technology	Independent Study: Multiple Linear Regression	2014
Joseph Ehrmann	<i>EXPLORE, ACT, and GPA as Predictors of Low or High Socio-Economic Status?</i>	Curriculum and Instruction	Independent Study: Binary Logistic Regression	2013
Shereeza Mohammed	<i>Using Structural Equation Models with National Assessment of Educational Progress (NAEP) Data</i>	Educational Leadership	Independent Study: Structural Equation Modeling	2003

RESEARCH SERVICE

Editor and Editorial Board:

- Editorial Board Member: *Measurement and Evaluation in Counseling and Development*, 2021 – Present.
- Editorial Board Member: *Journal of Modern Applied Statistical Methods*, 2003 – 2020.
- Editor: *General Linear Model Journal*, 2010 – 2019.
- Editorial Advisory Board: *Mid-Western Educational Researcher*, 2014 - 2015.
- Editorial Board Member: *Community College Journal of Research and Practice*, 2011 - 2014.
- Editorial Board Member: *Multiple Linear Regression Viewpoints*, 2008 - 2010.
- Editorial Board Member: *NASPA Journal*, 2003 - 2006.
- Consulting Editor: *Journal of Experimental Education*, 2006 - 2007.
- Associate Editor: *The International Journal of Learning*, 2005.
- Editorial Board Member: On the Campus and Research in Brief sections of the *Journal of College Student Development*, 1998 - 2000.

Manuscript and Proposal Reviewer:

- Manuscript Reviewer: *International Journal of Education in Mathematics, Science and Technology*, 2017.
- Proposal Reviewer: American Educational Research Association's (AERA) Special Interest Group (SIG): Multiple Linear Regression - The General Linear Model (MLR - GLM), 2004 - 2019.
- Proposal Reviewer: AERA Division D, 2001 - 2015.
- Manuscript Reviewer: *Journal of Teacher Education*, 2008 - 2012.
- Manuscript Reviewer: *TechTrends*, 2008.
- Manuscript Reviewer: *Educational Researcher*, 2007 - 2008.
- Manuscript Reviewer: *Current Issues in Education*, 2004 - 2006.
- Proposal Reviewer: National Council on Measurement in Education, 2003 - 2005.
- Manuscript Reviewer: *Journal of College Student Development*, 2004.
- Manuscript Reviewer: *NASAP Journal*, 2004.
- Proposal Reviewer: AERA SIG: Research Using NAEP Data, 2003 - 2004.
- Proposal Reviewer: Midwest Educational Research Association (MWERA): 1) Division D, 2003-Present; 2) Division H, 2003 – Present; 3) Division K, 2012; 4) Division L, 2010.
- Manuscript Reviewer: *Mid-Western Educational Researcher*, 2006 - 2009.
- Proposal Reviewer: Florida Educational Research Association, 2002 - 2004.

Leadership Positions:

- Association Council: MWERA, 2019 - Present.
- Board Member: RateCreative, 2013 - 2019.
- Immediate Past President: MWERA, 2014 - 2015.
- President: MWERA, 2013 - 2014.
- Board Member: Illinois Education Research Council, 2013 - 2015.
- Vice-President: MWERA, 2012 - 2013.
- Vice President, Elect and Conference Program Chair: MWERA, 2011 - 2012.
- Vice President Elect, Elect: MWERA, 2010 - 2011.
- Program Chair: Division L MWERA, 2010.
- Program Chair: AERA SIG: MLR - GLM, 2008 - 2009.
- Association Council: MWERA 2006 - 2008.

PROFESSIONAL MEMBERSHIPS

AERA: American Educational Research Association

IACTE: Illinois Association of Colleges for Teacher Education

IADPCE: Illinois Association of Deans of Public Colleges of Education

MWERA: Mid-Western Educational Research Association