

CONTACT INFORMATION

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EDUCATION**Ph.D., Ohio University, College of Education, Athens, Ohio (August 1998)**

Major: Educational Research and Evaluation (Advisor/Director: Robert L. S. Barcikowski)

Dissertation: *Precision Efficacy Analysis for Regression: Development and justification of a new sample size method for multiple linear regression* (ProQuest ID 304475462)
{<https://alice.library.ohio.edu/record=b2961325~S7>}

M.A., Ohio University, College of Communication, Athens, Ohio (June 1991)

Major: Interpersonal/Organizational Communication (Advisor: Elizabeth E. Graham)

Thesis: *Functions of humor in small group communication: The relationship of the use of humor to group task, group effectiveness, group cohesiveness, and group communication satisfaction*
{<https://alice.library.ohio.edu/record=b1781519~S7>}

A.B., College of William and Mary, Arts & Sciences, Williamsburg, Virginia (May 1985)

Major: Computer Science and Economics (double major)

EXPERIENCE**Ohio University, Department of Educational Studies, Patton College of Education, Athens, Ohio**

- Professor of Educational Research and Evaluation (EDRE), with tenure (2013-present)
- Department Chair, 3-year term, elected by department, approved by Dean & Provost (2008-2011)
- Associate Professor of Educational Research and Evaluation, with tenure (2006-2013)
- Assistant Professor of Educational Research and Evaluation, tenure-track (2000-2006)
- Instructor, Group II non-tenure track Instructional Faculty (1999-2000)

Central Ohio Technical College, Business Division, Newark, Ohio

- Instructor, Computer Technology, part-time (1997-1999, 1993-1995)

Ohio University, Graduate positions, Athens, Ohio

- Graduate Associate & Evaluation Assistant, EDRE/College of Education (1991-1995)
- Teaching Associate, School of Interpersonal Communication (1990)

Residence Life/Student Affairs positions

- Graduate Assistant & Student Employee, Office of Judiciaries, Ohio University (1988-1992)
- Residence Hall/Complex Director, Department of Residence Life, Ohio University (1985-1988)
- Head Resident (hall director), Office of Residence Life, College of William & Mary (1984-1985)
- Resident Assistant, Office of Residence Life, College of William & Mary (1983-1984)

RESEARCH, SCHOLARSHIP, & CREATIVE ACTIVITY (alumni/students are in SMALL CAPS in all sections below)**Publications in Peer-reviewed Journals (ordered based on ORCID ID Works section)**

- ASEMPAPA, R. S., & Brooks, G. P. (2022). Factor analysis and psychometric evaluation of the mathematical modeling attitude scale for teachers of mathematics. *Journal of Mathematics Teacher Education*, 25, 131-161. <https://doi.org/10.1007/s10857-020-09482-0> {published "Online First" on November 13, 2020 at the journal website}
- RUENGVIRAYUDH, P., & Brooks, G. P. (2022). Sample size for parallel analysis and not-so-common criteria for dimensions in factor analysis: Modifying the eigenvalue > 1 Kaiser rule. *General Linear Model Journal*, 46(1), 20-34. DOI: 10.31523/glmj.046001.002 {<http://www.glmj.org/>}

- DIAZ, E. A., Brooks, G. P., & Johanson, G. A. (2021). Detecting differential item functioning: Item response theory methods versus the Mantel-Haenszel procedure. *International Journal of Assessment Tools in Education*, 8(2), 376-393. {<https://dergipark.org.tr/en/download/article-file/1080666>}
- AL-ABDULLATIF, F. A., AL-ABDULLATIF, M. A., & Brooks, G. (2019). MANOVA post hoc techniques used in published articles: A systematic review. *General Linear Model Journal*, 45(1), 4-11. DOI: 10.31523/glmj.045001.002 {http://www.glmj.org/archives/GLMJ_2019v45n1.html}
- DAVID, S. L., Hitchcock, J. H., Ragan, B., Brooks, G., & Starkey, C. (2018). Mixing interviews and Rasch modeling: Demonstrating a procedure used to develop an instrument that measures trust. *Journal of Mixed Methods Research*, 12(1), 75-94. DOI: 10.1177/1558689815624586. {<http://journals.sagepub.com/doi/full/10.1177/1558689815624586>, initially published "Online First" in January 2016}
- Brooks, G. P., DIAZ, E. A., & Johanson, G. A. (2017). A precision-based and adaptive approach to number of replications for Monte Carlo studies of robustness and power. *General Linear Model Journal*, 43(1), 31-49. DOI: 10.31523/glmj.04301.003 {http://www.glmj.org/archives/GLMJ_2017v43n1.html}
- LIAO, H., LI, Y., & Brooks, G. P. (2017). Outlier impact and accommodation on power. *Journal of Modern Applied Statistical Methods*, 17(1), 261-278. DOI:10.22237/jmasm/1493597640 {<http://digitalcommons.wayne.edu/jmasm/vol16/iss1/15/>}
- Brooks, G. P., & RUENGVIRAYUDH, P. (2016). Best-subset selection criteria for multiple linear regression. *General Linear Model Journal*, 42(2), 14-25. {http://www.glmj.org/archives/GLMJ_2016v42n2.html}
- RUENGVIRAYUDH, P., & Brooks, G. P. (2016). Comparing stepwise regression models to the best-subsets models, or, the art of stepwise. *General Linear Model Journal*, 42(1), 1-14. {http://www.glmj.org/archives/GLMJ_2016v42n1.html}
- LIAO, H., LI, Y., & Brooks, G. (2016). Outlier impact and accommodation methods: Multiple comparisons of Type I error rates. *Journal of Modern Applied Statistical Methods*, 15(1), 452-471, article 23. {<http://digitalcommons.wayne.edu/jmasm/vol15/iss1/23/>}
- AN, Q., XU, D., & Brooks, G. P. (2013). Type I Error rates and power of multiple hypothesis testing procedures in factorial ANOVA. *Multiple Linear Regression Viewpoints*, 39(2), 1-16. {http://www.glmj.org/archives/GLMJ_2014v39n2.html}
- LI, Y., Brooks, G. P., & Johanson, G. A. (2012). Item discrimination and Type I error in the detection of differential item functioning. *Educational and Psychological Measurement*, 72(5), 847-861. DOI: 10.1177/0013164411432333 {<http://journals.sagepub.com/doi/full/10.1177/0013164411432333>}
- Brooks, G. P., & Barcikowski, R. S. (2012). The PEAR method for sample sizes in multiple linear regression. *Multiple Linear Regression Viewpoints*, 38(2), 1-16. {http://www.glmj.org/archives/GLMJ_2014v38n2.html}
- Brooks, G. P., & Johanson, G. A. (2011). Sample size considerations for multiple comparison procedures in ANOVA. *Journal of Modern Applied Statistical Methods*, 10(1), 97-109. {<http://digitalcommons.wayne.edu/jmasm/vol10/iss1/10/>}
- ADUSAH, A., & Brooks, G. P. (2011). Type I error inflation of the separate-variances Welch t test with very small sample sizes when assumptions are met. *Journal of Modern Applied Statistical Methods*, 10(1), 362-372. {<http://digitalcommons.wayne.edu/jmasm/vol10/iss1/33/>, originally accepted for volume 7}
- Johanson, G. A., & Brooks, G. P. (2010). Initial scale development: Sample size for pilot studies. *Educational and Psychological Measurement*, 70(3), 394-400. DOI: 10.1177/0013164409355692 {<http://journals.sagepub.com/doi/pdf/10.1177/0013164409355692>, initially published "Online First" in December 2009}
- FANG, H., Brooks, G. P., Rizzo, M. L., Espy, K. A., & Barcikowski, R. S. (2009). Power of models in longitudinal study: Findings from a full-crossed simulation design. *Journal of Experimental Education*, 77(3), 215-254. DOI: 10.3200/JEXE.77.3.215-254 {<http://tandfonline.com/doi/abs/10.3200/JEXE.77.3.215-254>}
- FANG, H., Brooks, G. P., Rizzo, M. L., Espy, K. A., & Barcikowski, R. S. (2008). A Monte Carlo power analysis of traditional repeated measures and hierarchical multivariate linear models in longitudinal data analysis. *Journal of Modern Applied Statistical Methods*, 7(1), 101-119. {<http://digitalcommons.wayne.edu/jmasm/vol7/iss1/9/>}

- Brooks, G. P. (2008). A Monte Carlo program for multiple linear regression. *Multiple Linear Regression Viewpoints*, 34(2), 15-43. {http://www.glmj.org/archives/MLRV_2008_34_2.pdf}
- Johanson, G. A., & Brooks, G. P. (2008). Differential person functioning applied to baseball. *Perceptual and Motor Skills*, 107(3), 791-799. DOI: 10.2466/pms.107.3.791-799
{<http://journals.sagepub.com/doi/pdf/10.2466/pms.107.3.791-799>}
- KANYONGO, G. Y., Brooks, G. P., KYEI-BLANKSON, L., & GOCMEN, G. (2007). Reliability and statistical power: How measurement fallibility affects power and required sample sizes for several parametric and nonparametric statistics. *Journal of Modern Applied Statistical Methods*, 6(1), 81-90.
{<http://digitalcommons.wayne.edu/jmasm/vol6/iss1/9/>}
- FREEMAN, M. L., Conley, V. M., & Brooks, G. P. (2006). Successful vertical transitions: What separates community college transfers who earn the baccalaureate from those who don't? *Journal of Applied Research in the Community College*, 13, 141-150.
{<http://www.montezumapublishing.com/jarcc1/AboutUs.aspx>}
- Brooks, G. P., & RAFFLE, H. (2005). FISH: A new computer program for friendly introductory statistics help. *Teaching Statistics: An International Journal for Teachers*, 27, 81-88. DOI: 10.1111/j.1467-9639.2005.00221.x {<http://onlinelibrary.wiley.com/doi/10.1111/j.1467-9639.2005.00221.x/full>}
- RAFFLE, H., & Brooks, G. P. (2005). Using Monte Carlo software to teach abstract statistical concepts: A case study. *Teaching of Psychology*, 32, 193-195. DOI: 10.1207/s15328023top3203_12
{http://journals.sagepub.com/doi/pdf/10.1207/s15328023top3203_12}
- Brooks, G. P., & Johanson, G. A. (2003). TAP: Test Analysis Program. *Applied Psychological Measurement*, 27(4), 303-304. DOI: 10.1177/0146621603027004007
{<http://journals.sagepub.com/doi/pdf/10.1177/0146621603027004007>}
- Brooks, G. P. (2003). Using Monte Carlo methods to teach statistics: The MC2G computer program. *Understanding Statistics*, 2, 137-150. DOI: 10.1207/S15328031US0202_05
{http://www.tandfonline.com/doi/abs/10.1207/S15328031US0202_05}
- Brooks, G. P. (2002). Computer Program Exchange: MNDG: Multivariate Normal Data Generator. *Applied Psychological Measurement*, 26(3), 353-354. DOI: 10.1177/0146621602026003008
{<http://journals.sagepub.com/doi/pdf/10.1177/0146621602026003008>}
- Brooks, G. P., & Barcikowski, R. S. (1996). Precision power and its application to the selection of regression sample sizes. *Mid-Western Educational Researcher*, 9(4), 10-17.
{<http://www.mwera.org/MWER/archives.html>}
- Graham, E. E., Papa, M. J., & Brooks, G. P. (1992). Functions of humor in conversation: Conceptualization and measurement. *Western Journal of Communication*, 56, 161-183. DOI: 10.1080/10570319209374409
{<http://www.tandfonline.com/doi/abs/10.1080/10570319209374409>, I was not part of the study, but large sections of the article's literature review were taken from my master's thesis}

Books, Book Chapters, Published Conference Proceedings, and Invited Publications

- Brooks, G. P., & Barcikowski, R. S. (2020 and in continued revision). *The Stat-Pro book: A guide for data analysts*. Self-published with very limited distribution (Blackboard). {Revision of unpublished textbook by Barcikowski (1987); began updating examples and analyses to R in 2020; updated all Statpro examples to SPSS and added chapters in 2018; used as primary textbook in my EDRE 7200: Educational Statistics courses beginning 2018-2019}
- GRAY, A. R., Clevidence, M. W., Brooks, G. P., Brown, J. G., Coccia, S. M., Meyer, J. A., & Kushnick, M. R. (2013). Creation of a Modified Equation to Predict Oxygen Consumption on a Cycle Ergometer. *Medicine and Science in Sports and Exercise*, 45(5), 686. Philadelphia, PA: Lippincott Williams & Wilkins. {Poster presented at the November 2012 annual meeting of the Midwest Regional Chapter of the American College of Sports Medicine, Oregon, OH}
- Brooks, G. P. (2008). Using SPSS for introductory statistical analyses. In B. T. Erford (Ed.), *Research and Evaluation in Counseling* (pp. 240-291). Boston: Houghton Mifflin Lahaska. ISBN-13: 978-0-618-48110-1 {This same 2008 chapter was used without communication or attribution in the 2nd edition (pp. 284-327) with only minor changes, such as SPSS figures replaced with newer screen shots: Erford, B. T. (2015). *Research and Evaluation in Counseling*. Stamford, CT: Cengage Learning. ISBN-13: 978-1-285-45489-4}

- FANG, H., Brooks, G. P., Rizzo, M. L., & Barcikowski, R. S. (2006). An empirical power analysis of multilevel linear model under three covariance structures in longitudinal data analysis. *2006 Proceedings of the American Statistical Association, Section on Quality and Productivity* [CD-ROM]. Alexandria, VA: American Statistical Association. {Poster presented at the June 2006 Joint Research Conference on Statistics in Quality, Industry and Technology, Knoxville, TN}
- Brooks, G. P., RAFFLE, H., LEWIS, M., & BLOM, V. (2005). A computer program for friendly introductory statistics help. *2004 Proceedings of the American Statistical Association, Section on Statistical Education* [CD-ROM]. Alexandria, VA: American Statistical Association. {Poster presented at the August 2004 annual Joint Statistical Meeting, Toronto, Canada}

Computer Software Developed (downloads available at website listed under "Contact Information")

- Brooks, G. P. (created 2003, last update 2021). *FISH: Friendly Introductory Statistics Help*
- Brooks, G. P. (created 2002, last update 2019). *TAP: Test Analysis Program*
- Brooks, G. P. (created 2008, last update 2018). *MCMR: Monte Carlo Multiple Regression*
- Brooks, G. P. (created 2001, last update 2018). *MC2G: Monte Carlo Analyses for 1 or 2 Groups*
- Brooks, G. P. (created 2002, last update 2018). *MC4G: Monte Carlo Analyses for up to 4 Groups*
- Brooks, G. P. (created 2004, last update 2018). *MUD: Messy Ugly Data Generator*
- Brooks, G. P. (created 2005, last update 2018). *MCCM: Monte Carlo Correlation Matrices*
- Brooks, G. P. (created 2002, last update 2018). *DGW: Data Generator for Windows*
- Brooks, G. P. (created 2002, last update 2018). *MC3G: Monte Carlo Analyses for 3 Groups*
- Brooks, G. P. (created 2001, last update 2018). *MNDG: Multivariate Normal Data Generator*
- Brooks, G. P. (created 2004, last update 2004). *HMF: Harmonic Mean Finder*
- Brooks, G. P. (created 2003, last update 2004). *BMA: Basic Matrix Algebra (for statistics)*

Keynote Speeches and Noteworthy Invited Presentations

- Brooks, G. P. (2017, February). *Common Pitfalls in Graduate Supervision (Research Design)* for faculty and *Common Pitfalls in Graduate Research Design* for both graduate students and their supervisors. Two invited presentations (separate days) sponsored by the Office of Graduate Studies at Qatar University, Doha. {See <http://www.qu.edu.qa/research/offices/graduate-studies/graduate-academic-support-unit>}
- Brooks, G. P. (2015, March). *Common Pitfalls in Research Design*. Invited presentation for faculty and students sponsored by the Office of Faculty and Instructional Development and the Office of Graduate Studies at Qatar University, Doha. {See <http://www.qu.edu.qa/research/offices/graduate-studies/graduate-academic-support-unit>}
- Brooks, G. P. (2012, December). *Monte Carlo Simulation Using R*. Workshop presented at the "First International Conference for Assessment and Evaluation" sponsored by the National Center for Assessment in Higher Education (Qiyas), Riyadh, Saudi Arabia. {See "Scientific Program" at <http://ica1.qiyas.sa/Conference/Default.aspx?culture=en>}
- Brooks, G. P. (2012, February). *An independent examination of the factor validity of assessments used in the Mawhiba Student Selection Project*. Invited report presented at the "Scientific workshop about the validity of the assessment tools, model, and construction procedures used in Mawhiba Student Selection Project" sponsored by the National Center for Assessment in Higher Education (Qiyas), Riyadh, Saudi Arabia. {See <http://www.qiyas.sa/Sites/English/Pages/default.aspx>}
- Brooks, G. P. (2011). Qualitative experimentation, local generalizability, and other oxymoronic opportunities for educated researchers. *Mid-Western Educational Researcher*, 24(4), 10-20. {Presidential Address presented at the October 2011 annual meeting of the Mid-Western Educational Research Association, St. Louis, MO. Available as a published article from <http://www.mwera.org/MWER/archives.html>}
- Brooks, G. P. (2011, March). *The art of science or... Research should be fun!* Invited Keynote Speaker at the 8th Annual Educational Research Exchange sponsored by the Beeghly College of Education at Youngstown State University, Youngstown, Ohio. {See <http://newsroom.ysu.edu/beeghly-college-hosts-educational-research-exchange/> or <https://www.kent.edu/ehhs/history-0>}

Papers Presented at National Conferences with Proposal Peer Review

- ADJANIN, N., SIKA POKOO, J., & Brooks, G. P. (2022, April). *Cross-loadings in scale development: Monte Carlo study to compare diagnostic methods with small samples*. Paper presented (assigned to poster session but with full paper provided) at the 2022 annual meeting of the American Educational Research Association (we chose virtual online).
- DO, H., Brooks, G. P. (2021, April). *Parameter Recovery for the Four-Parameter IRT Model: A Comparison of MML and MCMC Approaches*. Paper presented at the 2021 annual meeting of the American Educational Research Association (virtual online).
- DO, H., Wurm-Schaar, M., Brooks, G. P. (2021, April). *Psychometric Validation of a Subjective Well-Being Measure in a Medical Student Sample*. Paper presented at the 2021 annual meeting of the American Educational Research Association (virtual online).
- AYISI, E. O., MATOVU, E. ADJANIN, N., & Brooks, G. P. (2021, April). *Monte Carlo Researchers Technique to evaluate the Welch as the Default (in ANOVA)*. Paper presented (assigned to poster session but with full paper provided) at the 2021 annual meeting of the American Educational Research Association (virtual online). {relatively little involvement in this extension of prior work, but they kindly kept me as a co-author}
- DO, T. H., & Brooks, G. P. (2020, August). *Comparing MML and MCMC in estimating the four-parameter IRT model across different sample sizes*. Paper presented virtually (asynchronous online) at the annual meeting of the American Psychological Association, Washington, DC.
- RUENGVIRAYUDH, P., & Brooks, G. P. (2019, April). *A Monte Carlo study of common and not-so-common criteria for number of dimensions in EFA*. Paper presented (assigned to poster session but with full paper provided) at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Brooks, G. P., & RUENGVIRAYUDH, P. (2016, April). *Best subset selection criteria for multiple linear regression*. Paper presented at annual meeting of the American Educational Research Association, Washington, DC.
- Brooks, G. P., PRICE, E. A., & Johanson, G. A. (2014, April). *Precision-based approach to number of replications for Monte Carlo studies of robustness and power*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
- PRICE, E. A., Brooks, G. P., & Johanson, G. A. (2014, April). *Evaluating Type I error in differential item functioning methods based on item parameter distributional shape*. Paper presented (assigned to roundtable/paper discussion but with full paper provided) at the annual meeting of the American Educational Research Association, Philadelphia, PA.
- DAVID, S. L., Hitchcock, J. H., Ragan, B., Brooks, G. P., Starkey, C. (2014, April). *Developing a Measure of Trust Using a Mixed-Methods Approach*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
- CROWLEY, J. J., Szolosi, A., Martin, B., & Brooks, G. (2012, November). *Enduring participation: The role of constraint negotiation in serious leisure among female whitewater kayakers*. Paper presented at the National Conference Research Symposium of the Association of Outdoor Recreation and Education, Snowbird, UT.
- LEWIS, M. S., Hitchcock, J. H., Brooks, G. P., & Johanson, G. A. (2012, April). *Sensitivity analyses examining the What Works Clearinghouse's treatment of overall and differential attrition*. Paper presented (assigned to roundtable/paper discussion but with full paper provided) at the annual meeting of the American Educational Research Association, Vancouver, British Columbia.
- MEYER, K. R., Titsworth, B. S., Graham, E., Bates, B. R., & Brooks, G. (2011, November). *Student classroom engagement: Developing a scale to measure student voice*. Paper presented at the annual meeting of the National Communication Association, New Orleans, LA.
- LI, Y., Brooks, G. P., & Johanson, G. A. (2011, April). *Impact of impact on Type I error when using MH and LR to detect DIF*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- AN, Q., XU, D., & Brooks, G. P. (2011, April). *Type I error rates and power of multiple hypothesis testing procedures in factorial ANOVA*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Johanson, G. A., & Brooks, G. P. (2009, April). *Sample size for pilot studies in survey research*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.

- Brooks, G. P. (2008, March). *A Monte Carlo program for multiple linear regression*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Brooks, G. P., & Johanson, G. A. (2008, March). *Sample size considerations for multiple comparison procedures in ANOVA*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- FANG, H., Brooks, G. P., Rizzo, M. L., Barcikowski, R. S., & Espy, K. A. (2007, April). *A power comparison study of traditional repeated measures and hierarchical multivariate linear models under three covariance structures in longitudinal data analysis*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Brooks, G. P. (2006, April). *Generating MUD (Messy Ugly Data): A program for courses in research methods and introductory statistics*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Johanson, G. A., & Brooks, G. P. (2006, April). *"Good pitching will always stop good hitting, and vice versa": DPF applied to baseball*. Paper presented (assigned to roundtable/paper discussion but with full paper provided) at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Johanson, G. A., Franklin, T. J., & Brooks, G. P. (2006, April). *Survey delivery method and differential item functioning*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- FREEMAN, M. L., Conley, V. M., & Brooks, G. P. (2005, May). *Characteristics that influence community college student transfer and baccalaureate degree attainment*. Paper presented at the annual meeting of the Association for Institutional Research, San Diego, CA.
- Brooks, G. P., & RAFFLE, H. (2004, May). *Using Monte Carlo software for ANOVA to teach abstract statistical concepts*. Teaching Institute poster presented (with full paper provided) at the annual meeting of the American Psychological Society, Chicago, IL.
- Brooks, G. P., HEH, V., & FANG, H. (2004, April). *Asymptotic alpha: Characterizing Type I error rates under heterogeneity of variances*. Paper presented (assigned to poster session but with full paper provided) at the annual meeting of the American Educational Research Association, San Diego, CA.
- Brooks, G. P., Johanson, G. A., & Barcikowski, R. S. (2004, April). *Underappreciated factors that affect statistical power*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Brooks, G. P., GOCMEN, G., RAFFLE, H., & GAO, H. (2003, April). *Using Monte Carlo methods to teach about inflation of Type I errors*. Paper presented (assigned to roundtable/paper discussion but with full paper provided) at the annual meeting of the American Educational Research Association, Chicago, IL.
- Brooks, G. P., Johanson, G. A., LEWIS, M., & KYEI-BLANKSON, L. (2003, April). *Using the Test Analysis Program in introductory measurement courses*. Paper presented (assigned to roundtable/paper discussion but with full paper provided) at the annual meeting of the American Educational Research Association, Chicago, IL.
- Brooks, G. P., ABDULLA, A., AL-HARBI, K., KANYONGO, G., KYEI-BLANKSON, L., & GOCMEN, G. (2002, April). *Teaching introductory statistics with the help of Monte Carlo methods*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Brooks, G. P., KANYONGO, G. Y., KYEI-BLANKSON, L., & GOCMEN, G. (2002, April). *Power and reliability for correlation and ANOVA*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA. (ERIC document ED466651)
- Johanson, G. A., Brooks, G. P., & Papa, M. J. (2002, April). *On the emergence of research problems*. Paper presented (assigned to roundtable/paper discussion but with full paper provided) at the annual meeting of the American Educational Research Association, New Orleans, LA. (ERIC document ED465773)
- Brooks, G. P., & Barcikowski, R. S. (1999, April). *The precision efficacy analysis for regression sample size method*. Paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada (ERIC document ED449177)
- Brooks, G. P., Barcikowski, R. S., & Robey, R. R. (1999, April). *Monte Carlo simulation for perusal and practice*. Paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada. (ERIC document ED449178)

Brooks, G. P., & Barcikowski, R. S. (1994, April). *A new sample size formula for regression*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA. (ERIC document ED412247)

Papers Presented at Regional/State Conferences with Proposal Peer Review

- DO, H., Brooks, G. P. (2022, accepted). *Bayesian Philosophy and Applications in Psychometrics: A Commentary*. Paper accepted for presentation at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- DO, H., Brooks, G. P. (2022, accepted). *Item parameter recovery of the multi-unidimensional item response model by the Metropolis–Hastings Robbins–Monro algorithm across latent distribution types*. Paper accepted for presentation at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- ADJANIN, N., & Brooks, G. P. (2022, accepted). *Research for Questions: Of Emergence of Questions for Research*. Paper accepted for presentation at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- ADJANIN, N., & Brooks, G. P. (2022, accepted). *Changes in Latitudes, Changes in Attitudes: Problematic Measurement of Attitude in the Technology Acceptance Model (TAM)*. Paper accepted for presentation at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- ADJANIN, N., & Brooks, G. P. (2021, October). *Changes in Latitudes, Changes in Attitudes: Problematic Measurement of Attitude in the Technology Acceptance Model (TAM)*. Paper accepted for presentation at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- ADJANIN, N., & SIKA POKOO, J., & Brooks, G. P. (2021, October). *Item-Total Components Analysis: A Monte Carlo study of a method to identify cross-loadings in scale development*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- KORKMAZ, A. & Brooks, G. (2021, October). *The Blackhole Distribution in Statistics: The Laplace Distribution—Two Ideas to Apply for Social Science*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- LEWIS, M. S. & Brooks, G. P. (2019, October). *Assumptions in ANOVA: A Monte Carlo study of multiple hypothesis testing of normality and multiple Levene’s tests*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- SENTENEY, M. & Brooks, G. P. (2019, October). *Post-Hoc tests in factorial ANOVA with heterogeneous variances—A follow-up Monte Carlo study*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- AYISI, E. O., MATOVU, E., ADANIN, N., & Brooks, G. P. (2019, October). *Monte Carlo researchers technique to evaluate the Welch as the default (in t tests)*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH. {my role was minimal}
- ZHOU, Y., REN, X., & Brooks, G. P. (2019, October). *Which effect size calculation is the best to estimate the population effect size in the Welch t test?* Paper presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH. {my role was minimal}
- KORKMAZ, A. & Brooks, G. P. (2019, October). *The Effect of the expected cell fractions with 2x2 contingency table on p-values in Chi-square test*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH. {my role was minimal}
- SENTENEY, M., ZHOU, Y., & Brooks, G. P. (2018, October). *Post Hoc tests in factorial ANOVA: Why did SPSS remove the options for heterogeneous variances?* Paper presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- AL-ABDULLATIF, F. A., & AL-ABDULATEF, M., & Brooks, G. P. (2018, October). *MANOVA post hoc techniques used in published articles: A systematic review*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- DO, H., Twilley, D., & Brooks, G. (2018, October). *A validity study of the Leisure Satisfaction Scale short-form*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.

- RUENGVIRAYUDH, P., & Brooks, G. P. (2017, October). *A Monte Carlo study of parallel analysis with binary variables in test data*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Evanston, IL.
- MCELHINEY, D., AL-ABDULLATIF, F., ALHARBI, A., & Brooks, G. P. (2015, October). *Sample sizes for multiple comparison procedures*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Evanston, IL.
- RUENGVIRAYUDH, P., & Brooks, G. P. (2015, October). *Effectiveness of customized stepping criteria to find best subset models in stepwise multiple linear regression*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Evanston, IL.
- LIAO, H., LI, Y., & Brooks, G. P. (2015, October). *Outlier impact and accommodation methods: Multiple comparisons of power*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Evanston, IL.
- XU, D., & Brooks, G. P. (2012, November). *Using hierarchical generalized linear modeling in factorial differential item functioning (DIF) analysis*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Evanston, IL.
- XU, D., LIAO, H., JOHANSON, G., & Brooks, G. P. (2011, October). *Comparison of outlier treatment techniques*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, St. Louis, MO.
- CRUMBACHER, C. A., HITCHCOCK, J., & Brooks, G. P. (2011, October). *Re-examining treatment effects for single case ABAB designs through sensitivity analyses*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, St. Louis, MO.
- AN, Q., & Brooks, G. P. (2010, October). *A Monte Carlo study of several alpha-adjustment procedures used in testing multiple hypotheses in factorial ANOVA*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Columbus, OH.
- LI, Y., BROOKS, G. P., & JOHANSON, G. A. (2010, October). *Type I error in the detection of differential item functioning*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Columbus, OH.
- HUANG, Y., LEWIS, M., WANICH, W., AN, Q., LI, Y., & Brooks, G. P. (2009, October). *A Monte Carlo simulation for Type I error rates and power of bivariate correlations when data include extreme values*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, St. Louis, MO.
- LI, Y., AN, Q., WANICH, W., LEWIS, M., HUANG, Y., & Brooks, G. P. (2009, October). *Type I error rates and power for multiple comparisons when extreme values exist in data*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, St. Louis, MO.
- HUANG, Y., WANICH, W., & Brooks, G. P. (2008, October). *A Monte Carlo program for bivariate correlations*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Columbus, OH.
- AN, Q., LI, Y., BROOKS, G. P., & JOHANSON, G. A. (2008, October). *Determining sample size for Tukey MCP in 4-group ANOVA*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Columbus, OH.
- Brooks, G. P. (2007, October). *"Robust" tests for ANOVA? Type I error problems at very small sample sizes*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, St. Louis, MO.
- ADUSAH, A., & Brooks, G. P. (2006, October). *Inflation of the separate-variances Welch t test with very small sample sizes*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Columbus, OH.
- LEWIS, M., BROOKS, G. P., & NICHOLSON, M. (2005, October). *Using a free test analysis program with teacher-made tests in the K-12 setting*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Columbus, OH.
- FANG, H., RIZZO, M., BROOKS, G. P., LEWIS, M., & BARCIKOWSKI, R. S. (2005, October). *A Monte Carlo Study for comparing LM and HLM*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Columbus, OH.

- Brooks, G. P., FANG, H., & HEH, V. (2004, October). *Modeling true Type I error rates: A Monte Carlo analysis*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Columbus, OH.
- KANYONGO, G. Y., & Brooks, G. P. (2003, October). *A Monte Carlo study of the influence of reliability on four rules for determining the number of components to retain in a principal components analysis*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Columbus, OH.
- Brooks, G. P., Johanson, G. A., & LEWIS, M. (2002, October). *Using the Test Analysis Program to teach introductory measurement courses*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Columbus, OH.
- KANYONGO, G. Y., KYEI-BLANKSON, L., & Brooks, G. P. (2001, October). *The reliability of power: How reliability affects statistical power*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Chicago, IL.
- Brooks, G. P. (1998, October). *Perry: Fact, fiction, and outcomes assessment*. Paper presented (assigned to roundtable/paper discussion but with full paper provided) at the annual meeting of the Mid-Western Educational Research Association, Chicago, IL. (ERIC document ED428084)
- Brooks, G. P. (1998, October). *Precision efficacy analysis for regression*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Chicago, IL. (ERIC document ED428083)
- Brooks, G. P., & Barcikowski, R. S. (1995, October). *Precision power method for selecting regression sample sizes*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Chicago, IL. (ERIC document ED412246)
- Brooks, G. P. (1992, October). *Humor in leadership: State of the art in theory and practice*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Chicago, IL. (ERIC document ED417113)
- Brooks, G. P. (1991, October). *The ICA Communication Audit as a predictor of job satisfaction: A regression analysis*. Paper presented at the annual meeting of the Speech Communication Association of Ohio, Columbus, OH.

Workshops Presented at Conferences with Proposal Peer Review

- ADJANIN, N., SIKA POKOO, J., AKELLO, E. F., CEVIKER, E., & Brooks, G. P. (2022, accepted). *jamovi and some Excel: Capable stats software the free and easy way*. Workshop accepted for presentation at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- DO, H., & Brooks, G. P. (2022, accepted). *Data simulation and parameter estimation under the multi-dimensional item response model using the mirt package in R*. Workshop accepted for presentation at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- DO, H., ADJANIN, N., & Brooks, G. P. (2022, accepted). *JASP and SPSS (yes, SPSS): An introduction to Bayesian statistical analyses*. Workshop accepted for presentation at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- ADJANIN, N., SIKA POKOO, J., AKELLO, E. F., & Brooks, G. P. (2021, October). *Easier: An Introduction to the Easier way to R*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH.
- CEVIKER, E. & Brooks, G. P. (2021, October). *Introduction to Secondary Data Analysis with Survey Package in R*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH. {my role was minimal}
- LIU, S., SUN, X. & Brooks, G. P. (2021, October). *Using R Markdown for instruction and research: The basics*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH. {my role was minimal}
- DO, H. & Brooks, G. P. (2019, October). *Bayesian Inference via Markov Chain Monte Carlo: An Introduction and Application in Linear Regression*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH. {my role was minimal}
- AYISI, E. O., MATOVU, E., ADANIN, N., & Brooks, G. P. (2019, October). *Learning to Use the R Statistical Package Without Writing Code*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH. {my role was minimal, mostly helping with workshop development}

- REN, X., ZHOU, Y., KORKMAZ, A., & Brooks, G. P. (2019, October). *The Top Three Data Visualizations by ggplot2 in R*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH. {my role was minimal, mostly helping with workshop development}
- RUENGVIRAYUDH, P., MCELHINEY, D., & Brooks, G. P. (2015, October). *Basic statistical analyses and Monte Carlo simulation in R*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, Evanston, IL.
- PRICE, E., ROSALES DE VELIZ, L. V., & Brooks, G. P. (2013, November). *Exploring measurement packages in R*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, Evanston, IL.
- PRICE, E., LEWIS, M., ROSALES DE VELIZ, L. V., MCELHINEY, D., DAVID, S., & Brooks, G. P. (2012, November). *An introduction to R: Monte Carlo Simulation*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, Evanston, IL.
- ROSALES DE VELIZ, L. V., DAVID, S., MCELHINEY, D., LEWIS, M., PRICE, E., & Brooks, G. P. (2012, November). *An introduction to R: The Basics*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, Evanston, IL.
- YANG, W., LIAO, H., XU, D., & Brooks, G. P. (2011, October). *An introduction to R*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, St. Louis, MO.
- CRUMBACHER, C. A., PRICE, E. A., STEPHENSON, L., Brooks, G. P., & Hitchcock, J. (2011, October). *Jump into action research: Methods to develop and test ideas*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, St. Louis, MO.
- Barcikowski, R. S., & Brooks, G. P. (2007, October). *Power and sample size simplified*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, St. Louis, MO.
- Brooks, G. P., RAFFLE, H., FANG, H., & HEH, V. (2003, October). *Teaching statistics with the help of three new computer programs*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, Columbus, OH.
- Brooks, G. P., KANYONGO, G., ABDULLA, A., & AL-HARBI, K. (2001, October). *Using Monte Carlo methods to teach statistics*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, Chicago, IL.
- Barcikowski, R. S., Brooks, G. P., Cicmanec, K. B., Johanson, G. A., & Simmons, J. E. (1992, October). *Sample size selection simplified*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, Chicago, IL.

Other Presentations at Conferences with Proposal Peer Review

- RAGAN, M. A., & Brooks, G. P. (2013, November). *The mean deviation: An under-appreciated and under-used statistic*. Poster presented at the annual meeting of the Mid-Western Educational Research Association, Evanston, IL.
- FANG, H., Brooks, G. P., Rizzo, M. L., & Barcikowski, R. S. (2006, August). *An empirical power analysis of hierarchical multivariate linear model under three covariance structures in longitudinal data analysis*. Poster presented at the Joint Statistical Meeting (American Statistical Association), Seattle, WA.
- VAZ, P. C. M., Dean, R., Crary, M., Hallowell, B., Fucci, D., & Brooks, G. (2005, November). *The significance of aerodynamic measures in identifying aspiration risk*. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, San Diego, CA.
- VAZ, P. C. M., Dean, R., Crary, M., Hallowell, B., Fucci, D., & Brooks, G. (2005, November). *The significance of pulse oximetry measures in identifying aspiration risk*. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, San Diego, CA.
- Brooks, G. P. (2005, May). *Multiple Monte Carlo methods for making sense of statistical matters*. Poster presented at the annual meeting of the United States Conference on Teaching Statistics, Columbus, OH.

Particular Peripheral Publications, Papers, Presentations, and Participations

- Brooks, G. P., & Lewis, M. S., & ADANIN, N. (2020, April). *Testing assumptions in one-way ANOVA: Monte Carlo study of preliminary tests for normality and homoscedasticity*. Paper accepted for presentation at the annual meeting of the American Educational Research Association, San Francisco, CA (conference canceled due to COVID-19 pandemic).

- SENTENEY, M. & Brooks, G. P. (2020, April). *An approach to sample size determination for multiple comparison procedures in ANOVA*. Paper accepted for presentation as a poster at the annual meeting of the American Educational Research Association, San Francisco, CA (conference canceled due to COVID-19 pandemic).
- SENTENEY, M. & Brooks, G. P. (2020, April). *Exploring multiple comparison procedures in factorial ANOVA with heterogeneous variances*. Paper accepted for presentation as a poster at the annual meeting of the American Educational Research Association, San Francisco, CA (conference canceled due to COVID-19 pandemic).
- RUENGVIRAYUDH, P., DO, H., ALHARBI, A., AL-ABDULLATIF, F. A., NEEQUAYE, B., & Brooks, G. P. (2018, October). *Introduction to R: The basics*. Workshop presented at the annual meeting of the Mid-Western Educational Research Association, Cincinnati, OH. {my role was very minimal, did not help with presentation}
- 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*. Invited to help facilitate discussion for the Multiple Linear Regression: General Linear Model SIG Business Meeting at annual meeting of the American Educational Research Association, Washington, DC. {my responsibility was very minimal}
- CHOU, E. A., Russell, J. A., & Brooks, G. P. (2015, July). *Current standards in reporting research and statistical methods: Hints for researchers, authors, and reviewers*. Presentation at the annual meeting of the Performing Arts Medicine Association. {my role was very minimal, Esther Chou presented and did most of the work}
- Brooks, G. P. (2010). *Reflections on MWERA 2009: The synthesis of educational research and practice*. Mid-Western Educational Researcher, 23, 2-3. {Review of MWERA conference for which I was Program Chair}
- Brooks, G. P. (2008). *SEOCEMS Online Action Research Workshop*. Handbook funded by and developed as content for the Southeast Ohio Center for Excellence in Mathematics and Science (SEOCEMS), for an online course/workshop concerning action research design and methodology. Unpublished manuscript.
- Brooks, G. P. (2005, April). *Monte Carlo methods for teaching statistics*. Poster presented at the Spotlight on Learning conference, Ohio University, Athens, OH.
- Brooks, G. P. (1992, March). *Working with WordPerfect for Windows*. Workshop presented for the staff of Butler, Cincione, DiCuccio, & Dritz Law Office, Columbus, OH.
- Brooks, G. P. (1990, February). *Interpersonal communication*. Workshop presented for the Ohio University Student Affairs Leadership Development Program, Athens, OH.
- Brooks, G. P., & Philbin, S. (1987, November). *Beyond brainstorming: Problem solving techniques that work*. Invited workshop presented at the annual meeting of the Great Lakes Association of College and University Housing Officers, Grand Rapids, MI.
- Brooks, G. P., & Reghetti, C. M. (1987, April). *Res Life: A funny business (getting results through humor)*. Workshop presented at the annual meeting of the Ohio College Personnel Association, Ashland, OH.
- Brooks, G. P. (1987, Spring). *Creative programming: Is alcohol the life of the party?* Workshop presented at the Ohio University Greek Leadership Conference, Athens, OH.
- Conlogue, J. A., & Brooks, G. P. (1986, October). *Beyond brainstorming: Problem solving techniques that work*. Workshop presented at the annual meeting of the Great Lakes Association of College and University Housing Officers, Notre Dame, IN.
- Conlogue, J. A., & Brooks, G. P. (1986, April). *Heard it through the grapevine: Managing [mis]information*. Workshop presented at the annual meeting of the American College Personnel Association, New Orleans, LA.
- Brooks, G. P. (1986, March). *The Humor Writers' final exams*. Stand-up comedy routine presented for Mel Helitzer's "Comedy Class Live!" at Ohio University, Athens, OH. {I passed the exam}
- Brooks, G. P., & Odiaga, M. (1985, Spring). *"Facts on Tap": An alcohol education program*. Workshop presented at the Resident Assistant conference of the Virginia Association of College and University Housing Officers, Harrisonburg, VA.

Participation in Contracts and Grants

Co-Project Director, Ohio Department of Education (2006-2007, \$200,000). *Evaluation of TANF-Supported After-School, Summer, and School Readiness Enrichment Programs*. D. B. Catri, primary investigator. {Responsibility to this grant was minimal after first 3 months, but supervised work of Graduate Assistant}

TEACHING**Graduate Courses at Ohio University as tenure-track faculty member**

- Cumulative teaching through Spring 2022 (quarters 2000-2012, semesters after 2012):
 - Total courses: 155+ courses (20+ master's, 135+ doctoral)
 - Approximate mean course enrollment: 15.8 students enrolled (19.6 in master's, 15.2 in doctoral)
 - Approximate mean overall/global evaluation: 4.3 doctoral, 4.0 master's (1-5 scale, higher is better)

Graduate Courses Facilitated at Ohio University (quarter/semester course number)

- #EDRE 501/5010: Introduction to Research Methods (15+ times, master's level course)
- EDRE 510: Educational Measurement (6+ times, master's level course)
- #EDRE 720/7200: Educational Statistics (45+ times, primarily SPSS/R, my own software)
- #EDRE 721/7210: Regression Analysis (31+ times, used SAS/SPSS/R, my own software)
- #EDRE 722/7600: Multivariate Statistics (19+ times, used SAS/SPSS/R/AMOS)
- #EDRE 731/7610: Computer Science Applications (8+ times, Monte Carlo programming, SAS/R)
- #EDRE 732/7620: Computer Applications in EDRE (2 times, used R/SAS/HLM/Tableau)
- EDRE 793/8900: Advanced Seminar/Special Topics (4 times, e.g., Monte Carlo, statistics history)
- EDRE 711/7110: Theory/Techniques Test Development (2 times, Classical Test Theory, SPSS/R)
- *EDRE 712/7120: Item Response Theory and Modern Educational Measurement (2 times, R)
- EDRE 723/7230: Questionnaires and Scale Development in Education (2 times, SPSS)
- EDRE 733/7330: Research Design in Education (5 times)

courses taught online for full term, for half term, or as hybrid or "hyflex" during COVID-19 pandemic

* co-taught one semester in preparation of potentially teaching measurement courses

Undergraduate Courses Facilitatedat Ohio University

- Introduction to Public Speaking (as Teaching Associate)
- Resident Assistant Course (as Resident Director)

at Central Ohio Technical College

- Introduction to Personal Computers
- Introduction to Windows
- Advanced Windows Features
- Introduction to WordPerfect
- WordPerfect for Windows II
- Microcomputer Desktop Publishing

ADVISING**Graduate Advisory Committee Service**

- Cumulative service since 2000 as a graduate advisory committee member for:
 - 194+ defended doctoral dissertations (23 chaired/co-chaired) and 10 master's theses (1 chaired)
 - Complete list of names, years, and programs provided at the end of CV
 - 262+ doctoral committees with comprehensive exams and/or dissertation proposals/defenses
 - 533+ total meetings for dissertation proposals/defenses and/or comprehensive exams
 - 35+ graduated chaired/co-chaired/advised (25+ doctoral & 12+ master's, some completing both)
 - Serving on 15+ committees active during the current academic year

Completed Dissertations & Theses Chaired/Directed/Co-Chaired (with graduation date)

- Do, Thu Hoan (2021). *Parameter Recovery for the Four-Parameter Unidimensional Binary IRT Model: A Comparison of Marginal Maximum Likelihood and Markov Chain Monte Carlo Approaches*. {Chair, EDRE doctoral dissertation} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1616202942083398
- Senteney, Michael (2020). *A Monte Carlo study to determine sample size for Multiple Comparison Procedures in ANOVA*. {Chair, EDRE doctoral dissertation} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou160433478343909
- Alharbi, Abdulmajeed (2020). *An experimental design of survey research methods: Investigating survey response rates and analytic choice*. {Chair, EDRE doctoral dissertation} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1585051418774214
- Al-Abdullatif, Fatimah (2020). *Discriminant function analysis versus univariate ANOVAs as post hoc procedures following significant MANOVA test: A Monte Carlo study*. {Chair, EDRE doctoral dissertation} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1585072063453955
- Neequaye, Beryl (2019). *Reviewing the quality of mixed methods research reporting in comparative and international education: A mixed methods research synthesis*. {Secondary co-chair, EDRE doctoral dissertation, chaired by Yuchun Zhou} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1565886346044592
- Rosales Flores de Véliz, Leslie (2018). *Evaluation of a method to perform growth standards in Guatemala*. {Chair, EDRE doctoral dissertation} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1526000002006313
- Ruengvirayudh, Pornchanok (2018). *A Monte Carlo study of parallel analysis, minimum average partial, indicator function, and modified average roots for determining the number of dimensions with binary variables in test data: Impact of sample size and factor structure*. {Chair, EDRE doctoral dissertation} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou151516919677091
- Geist, Kamile (2016). *Sources of Knowledge in Music Therapy Clinical Practice*. {Became chair post-proposal, EDTE doctoral dissertation} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1478173980933032
- Huffman, Anthony (2015). *The influence of parent-child gender arrangements and family demographics on young-adult outcomes of postsecondary education experiences: An investigation using NCES 2002-2012*. {Secondary co-chair, EDAD doctoral dissertation, chaired by William Larson} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1438421036
- Hostiuck, Katherine (2015). *A study of school climate and its relationship to the accountability-focused work of principals*. {Secondary co-chair, EDAD doctoral dissertation primarily chaired by William Larson} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1438420249
- Price, Emily (2014). *Model-data fit and Type I error rates in DIF detection using Lord's chi-square, the likelihood ratio test, and the Mantel-Haenszel procedure*. {Chair, EDRE doctoral dissertation} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1395842816
- Fowler, Denver (2014). *An investigation of ethical leadership perspectives among Ohio school district superintendents*. {Became chair post-proposal, EDAD doctoral dissertation} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1395067372
- Thomas, Trevor (2014). *Attitudes of Ohio Public School Teachers on the use of EVAAS Data in the Formal Teacher Evaluation System*. {Primary co-chair, EDAD doctoral dissertation co-chaired with Holly Raffle} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1387868297
- Lewis, Marsha (2013). *A simulation illustrating some effects of overall and differential attrition on bias in randomized controlled studies*. {Became chair post-proposal, EDRE doctoral dissertation} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1386239081
- Turner, Maryalice (2012). *Teacher efficacy implications in smaller learning communities*. {Became chair post-proposal, EDAD doctoral dissertation} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1353333296
- Lucero, Tamu (2012). *The relationship between principals' views of poverty and the degree of threat rigidity principals perceive in their school environment*. {Became chair post-proposal, EDAD doctoral dissertation} http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1344309593

- Li, Yanju (2012). *Item discrimination and Type I error rates in DIF detection using Mantel-Haenszel and logistic regression methods*. {Chair, EDRE doctoral dissertation}
http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1339428784
- An, Qian (2010). *A Monte Carlo study of several alpha-adjustment procedures used in testing multiple hypotheses in factorial ANOVA*. {Chair, EDRE doctoral dissertation}
http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1269439475
- Lohaka, Hippolyte O. (2007). *Making grouped-data frequency tables on your own: Structured method presentation and statistical analysis*. {Chair, EDRE doctoral dissertation}
http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1194981215
- Fang, Hua (2006). *A Monte Carlo study of power analysis of hierarchical linear model and repeated measures approaches to longitudinal data analysis*. {Chair, EDRE doctoral dissertation}
http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1155941013
- Raffle, Holly (2006). *Assessment and reporting of intercoder reliability in published meta-analyses related to preschool through grade 12 education*. {Chair, EDRE doctoral dissertation}
http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1156167922
- Laidlow, Leandra D. (2004). *Gender differences in mathematics achievement: An analysis of the 2003 Common Entrance Examinations in the Commonwealth of Dominica*. {Chair, EDRE master's thesis}
http://rave.ohiolink.edu/etdc/view?acc_num=ohiou1103056911
- Kanyongo, Gibbs Y. (2004). *A Monte Carlo study of the influence of reliability on four rules for determining the number of components to retain from a principal components analysis*. {Chair, EDRE doctoral dissertation} <http://alice.library.ohiou.edu/record=b3535527~S7>

In-Progress Dissertations (Chairing/Directing/Co-Chairing) and Doctoral Advisees

- James Sika Pokoo (advisor, EDRE, graduation expected 2022-2023)
- Everlyne Akello (advisor, EDRE, graduation expected 2022-2023)
- Alperen Korkmaz (advisor, EDRE, graduation expected 2022-2023)

Non-thesis Master's Degree Advisees who completed Seminar Papers that I directed

- Faustina Mensah (EDRE, graduation expected 2022-2023)
- Elife Ceviker (EDRE, graduation expected 2021-2022)
- Deependra Budhathoki (EDRE, graduated 2021)
- Nina Adanin (EDRE, graduated 2020)
- Fatimah Al-Abdullatif (EDRE, graduated 2015)
- Abdulmajeed Alharbi (EDRE, graduated 2015)
- Weiyu Yang (EDRE, graduated 2015)
- Elham Alsadoon (EDRE, graduated 2013)
- Hamadah Alsadoon (EDRE, graduated 2013)
- Abdulrahman Alsulami (EDRE, graduated 2013)
- Ghaleb Alnahdi (EDRE, graduated 2012)
- Jan Marie Ruminski (EDRE, graduated 2012)
- Qian An (EDRE, graduated 2008)
- Leslie Rosales (EDRE, graduated 2008)

HONORS & AWARDS

- Received The Gladys W. and David H. Patton College of Education *Distinguished Faculty Graduate Teaching Award* (2020) which honors “outstanding graduate teaching by a faculty member in The Patton College of Education” which involves exemplary modeling in areas such as: demonstrated depth of expertise, challenging students to think critically, genuine professional caring, commitment to their profession, and supported student success as the result of exemplary guidance in the completion of theses, dissertations, and scholarly capstone experiences
- Received The Patton College of Education's Top of the Top Tier (T3) Journal Publication Incentive award (Summer 2018) {funding provided for summer work on a new scholarly project}

- Received Faculty Fellowship Leave (sabbatical), Ohio University (Fall Semester, 2015-16; Fall-Winter Quarters, 2007-08)
- Received The Gladys W. and David H. Patton College of Education *Distinguished Faculty Scholarship/Research Award* (2012), which “honors significant research that is related to The Patton College of Education and conducted by a faculty member within the past two (2) years” including research that may be theoretical, conceptual, or applied, but must be in publishable form
- Received Mid-Western Educational Research Association's *Dr. Jean Pierce Student Recruitment Chocolate Rose Award* in recognition of efforts to recruit graduate students to attend the annual MWERA conference (2011, 2009, & 2004)
- Earned *Award of Achievement* from the Ohio School Boards Association that recognizes school board members for participation in workshops and conferences, for service to the association, and for work on behalf of their own board (March 2008)
- Received Division of Student Affairs *Faculty Contribution Award* that recognizes "contributions of faculty members to student development outside of their traditional classroom teaching roles," a university-level award at Ohio University (May 2006)
- Received 1 of 4 awards presented to Ohio University *Spotlight on Learning* presentations of "how to engage students in the classroom" and "cultivate learning experiences that are truly learner-centered and customized to the way individual students learn best" (April 2005)
- Received *Founder's Day Award* from Gamma Omicron Alumni Association, given to recognize alumni who represent the spirit of brotherhood of Pi Kappa Alpha through continued involvement (2005, 2003)
- Inducted into the Ohio University chapter of the *Honor Society of Phi Kappa Phi* (for master's degree in 1991; invited again for Ph.D. in 1998)
- Nominated by the Ohio University School of Applied Behavioral Sciences and Educational Leadership for an Ohio University Graduate Fellowship (1993)
- Named *Outstanding House Director* at Ohio University Greek Awards Banquet (1990)
- Received *Distinguished Service Award* in recognition of outstanding service to the national Pi Kappa Alpha Fraternity (1987)
- Inducted into Ohio University chapter of *Order of Omega* national Greek leadership honor society (1987)
- Received *Phoenix Award* from the College of William and Mary for "service to the college and its students [that] so clearly demonstrates a commitment to others and exemplary leadership..." (1985)

SERVICE

Professional Organization Service

- Mid-Western Educational Research Association (MWERA, see <http://mwera.org>)
 - Board of Directors and other leadership positions*
 - Executive Director (three 3-year appointive terms, 2012-2022; appointed to non-voting position by Board of Directors in 2012, 2015, & 2018; 2018 term extended to 2022 due to COVID-19 pandemic) {Maintains membership records, serves as Association Treasurer, fourth Executive Director in Association's history, which began in 1979}
 - Historian (2018-2022; term extended due to COVID-19 pandemic) {Appointed by Board of Directors in 2018, maintains historical records}
 - Immediate Past President (2011-2012) {Chair awards committee, on nominations committee}
 - President (2010-2011) {Responsible for legal and contractual responsibilities of MWERA}
 - President Elect (2009-2010) {Responsible for budget and assisting with 2010 Conference}
 - Vice President & Program Chair (2008-2009) {Responsible for 2009 Annual Conference}
 - Vice President Elect (2007-2008, elected by full MWERA membership to 5-year term of successive Board of Director positions) {Non-voting, assist with 2008 Conference}
 - Member-at-Large (2005-2007, elected by MWERA membership to a 2-year elective term) {MWERA ombudsperson, responsible for surveys/evaluations, chair of membership committee}
 - Association Council (2003-2005, 1 of 7 council members elected in 2003 by full MWERA membership from among 15 nominees to a 2-year elective term)

- Chair & Co-Chair, Division D: Measurement & Research Methodology (2003-2005, elected as Co-Chair in 2003 by Division D membership to two-year term with official appointment as Chair by 2004-2005 Vice President/Program Chair)

Other MWERA service activities

- Proposal Reviewer (2018, 2015, 2012, 2011, 2007, 2004, 2003, 2002, 1999)
- Session Discussant (2010, 2007, 2005, 2004, 2003)
- Session Chair (2004-2005, 2002)
- Teller Committee (2002, appointed by President-Elect)
- American Educational Research Association (AERA)
 - Consortium of State and Regional Educational Research Associations (SRERA, see <http://srera.org>) {Elected to 2-year term (2020-2022) as Vice President for Organizational Development; no real activity because of the completely/partially virtual AERA Annual Meetings on 2021 and 2022 and much of this position is related to managing the booth at AERA—did not seek re-election}
 - Proposal Review Panel (2012-2013, SIG: Educational Statisticians; 2012-2013, SIG: Multiple Linear Regression-General Linear Model; 2013, SIG: Professors of Educational Research)
 - Session Chair (2022, Consortium of State and Regional Educational Research Association; 2006, SIG: Educational Statisticians; 2005, SIG: Multiple Linear Regression-General Linear Model)
 - Proposal Reviewer (2001-2007, SIG: Educational Statisticians; 2000-2007, 2021, SIG: Multiple Linear Regression-General Linear Model; 2001-2007, SIG: Professors of Educational Research; 1999-2007, Division D: Measurement and Research Methodology)
- American Psychological Association (APA)
 - Proposal Reviewer (2004-2007, Division 5: Evaluation, Measurement, and Statistics)

Editorial Board Service

- *International Journal of Multiple Research Approaches (IJMRA)* (Member, Editorial Board, beginning 2017, usually 1-2 reviews or re-reviews annually) {journal relaunched in 2017-18 after going dormant in 2015, see <http://ijmra.org/index.php/editorial-board/>}
- *General Linear Model Journal* (Member, Editorial Board, 2018-2020; 3 terms from 2003-2014, usually 2-4 reviews annually since 2008 as a member of the editorial board, including several reviews as ad hoc invited reviewer from 2015-2017) {see <http://www.glmj.org/>, journal was named *Multiple Linear Regression Viewpoints* until Volume 41 in 2015}
- *Mid-Western Educational Researcher* (Member, Editorial Board, 2011-2012, 4 reviews through 2013) {see <http://www.mwera.org/MWER/>, as Immediate Past President of MWERA}

Other Editorial Service

- *Studies in Educational Evaluation* (Invited Reviewer, 2018-2019, 1 review and 3 re-reviews)
- *Journal of Statistics Education* (Invited Reviewer, 2012-2014, 6 reviews)
- *Educational and Psychological Measurement* (Invited Reviewer, 2013)
- *Behavior Research Methods* (Invited Reviewer, 2013)
- *Psychological Methods* (Invited Reviewer, 2011, 2008)
- *Journal of Quantitative Analysis in Sports* (Invited Reviewer, 2008)
- *Journal of Educational Research and Policy Studies* (Invited Reviewer, 2008), special issue for the National Science Foundation Math & Science Partnership Program Evaluation (MSP-PE)
- *Measurement and Evaluation in Counseling and Development* (Invited Reviewer, 2005)
- *Journal of Experimental Education* (Invited Reviewer, 2005)
- *Applied Psychological Measurement* (Invited Reviewer, 2004-2005, 2 reviews)

University Service

- Ohio University Graduate Council (two 3-year terms, 2017-2020, 2020-2023), an Ohio University standing committee nominated by Faculty Senate and appointed by the President; committee reviews, coordinates, and serves as an advocate for graduate education at Ohio University and has both advisory and policy-recommending responsibilities.

- Chair (2018-2022, invited to return as chair each successive year, stepped down May 2022)
- Included membership on the following:
 - Graduate Council Curriculum Committee (Chair, 2019-2020, 2021-2022)
 - Graduate Council Graduate Student Affairs and Fellowships Committee (2017-2018)
 - University Curriculum Council (member, 2018-2022) {unable to attend Fall 2018, Fall 2020, and Fall 2021 due to conflicts with courses}
 - University Curriculum Council Program Review Committee (member, 2020-2021)
 - University Curriculum Council Programs Committee (member, 2018-2020, 2021-2022) {unable to attend Fall 2018/2020/2021 due to conflicts with courses}
- Ohio University Graduate College Graduate Committee for the Individual Interdisciplinary Program (IIP), (Member, 2016-2021, 3-year term initially and reappointed for an additional 2-year term)
- Ohio University Faculty Senate (Senator, two 3-year elective terms, 2012-2018; elected by faculty in the Patton College of Education in 2012 & 2015, but did not serve during Fall 2015 due to faculty fellowship leave/sabbatical), including service to the following Senate committees:
 - Promotion & Tenure Committee (2016-2018) {served as ad hoc Chair of appeal committee for promotion-to-professor appeal due to P&T Committee chair recusal because of conflict}
 - Professional Relations Committee (2014-2016)
 - Finance & Facilities Committee (2013-2014)
 - Educational Policy & Student Affairs Committee (2012-2013)
- Ohio University Office of the Executive Vice President and Provost, Search/Screening Committee for Dean of University College and Vice Provost for Undergraduate Education (Member, 2014)
- Ohio University Office of the Executive Vice President and Provost, Search/Screening Committee for Associate Provost for Institutional Research and Effectiveness (Member, 2013)
- Ohio University 1804 Fund Committee, Office of the Vice President for Research, Faculty Research and Graduate Studies section (Member, 2012)
- Ohio University Facilities Planning Advisory Committee (Member, 2009-2012)
- Ohio University Hearing Board, Department of Judiciaries (Member, 2000-2012)
- Ohio University Division of Student Affairs, Search/Screening Committee for Assistant Director of University Judiciaries (Member, 2011)
- Ohio University Student Code of Conduct: Review and Standards Committee (Member, 2005-2012), a standing committee nominated by Faculty Senate and appointed by the President; committee reviews goals of educational discipline and effectiveness of disciplinary sanctions, advises on appointments of hearing boards, and recommends changes in the Code of Conduct and judicial policies and procedures {Two 3-year appointive terms plus 1-year extension by request of Dean of Students}
- Ohio University George Voinovich School of Leadership and Public Affairs, Faculty Advisory Committee concerning tenure and promotion for a faculty member (Member, 2010-2011)
- Ohio University Judiciaries, Search/Screening Committee for Director of University Judiciaries (Member, 2007)
- Pi Kappa Alpha Gamma Omicron chapter, Ohio University (Faculty/Chapter Advisor, 2003-2007; Colony Advisory Board member, 1987-1988; House Director, 1989-1991)
- Ohio University New Faculty Orientation (Mentor, 2004-2007), sponsored by the Provost and the Center for Teaching Excellence; facilitated discussions with new College of Education faculty
- Ohio University Student Research and Creative Activity Fair, co-sponsored by the Vice President for Research and the Office of the President (Judge, May 2005, May 2006)
- Ohio Family Medicine Symposium (Proposal Reviewer, February 2005), sponsored by the American College of Osteopathic Family Physicians, upon request from the Ohio University College of Osteopathic Medicine CORE Research Office
- Ohio University Research Council (Member, 2002-2004), a standing committee nominated by Faculty Senate and appointed by the President; Committee provides support for faculty and contract staff research, scholarship, and creative works in any field of study
- Ohio University Order of Omega honor society Greek Awards committee (Judge, April 2004)

- Ohio University Greek Life Committee (Chair, 1986-1988; Member, 1985-1988), a standing committee appointed by the President; committee serves as advisory body for all rules, regulations, and standards affecting the recognition of fraternity and sorority organizations at Ohio University
- Ohio University BARS: Being Alcohol Responsible & Safe, BACCHUS chapter (Advisor, 1987-1988)
- Ohio University Division of Student Affairs Research Committee (Member, 1986-1988)
- Ohio University Outstanding Student Organization Advisor Award Committee (Member, 1986)

College Service

- Patton College of Education, Dean Search Committee (appointed by Provost based on voting process among faculty in the college, member 2022)
- Patton College of Education, Promotion and Tenure Committee (elected department representative, 2-year then 3-year term, 2017-2019, 2019-2022; asked to serve another term by Dean, 2022-2023)
 - Chair (2022-2023) { }
 - Chair (2021-2022) {9 cases: 3 tenure, 2 promotion, 4 non-tenure-track promotion}
 - Chair (2018-2019) {11 cases: 4 tenure, 4 promotion, 3 non-tenure-track promotion}
 - Member (2020-2021) {3 cases: 2 tenure, 1 non-tenure-track promotion}
 - Member (2019-2020) {8 cases: 4 tenure, 3 promotion, 1 non-tenure-track promotion}
 - Member (2017-2018) {8 cases: 4 tenure, 2 promotion, 2 non-tenure-track promotion}
- Department of Recreation, Sport Pedagogy and Consumer Sciences Ad Hoc Tenure and Promotion Committee for Promotion to Full Professor
 - Member (2021-2022) {1 promotion case}
- Patton College of Education, Top of the Top Tier (T3) Journal Publication Incentive Award Task Force (2019-2020)
- Department of Teacher Education, Promotion and Tenure Committee (External member, 2019-2020; 1 tenure/promotion case; 2 midterm reviews)
- Department of Recreation and Sport Pedagogy, Review Committee for Promotion to Full Professor
 - Co-Chair (2016-2017) {1 promotion case}
 - Member (2017-2018, 2018-2019) {1 promotion case each year}
- Patton College of Education, Mentor Program (Mentor, 2009-2020) {both officially and unofficially for about 7 faculty members}
- Patton College of Education, Program Planning and Review Committee, subcommittee of the Curriculum Committee (Member, 2016-2018) {also participated as department representative to Curriculum Committee in Spring 2018}
- Department of Counseling and Higher Education, Ad Hoc Tenure Promotion and Salary Committee (Member, 2016-2017) {1 promotion case}
- Dean Evaluation Committee (Chair, 2014-2015; Member, 2015-2016)
- Patton College of Education, Professional Ethics and Equity Committee (Member, 2013-2016, 2000-2002)
- Patton College of Education, Responsibility Centered Management (RCM) Work Group (Member, 2013-2014) {Faculty Senate RCM Liaison}
- College of Education, Graduate Committee/Graduate Curriculum Committee (Chair, 2002-2003; Co-Chair, 2000-2002; Member, 2011-2012, 2003-2004)
- College of Education, Environmental Scan (Convener/report writer, 2010, Planning Unit Response subcommittee; Member, 2010, Technological Landscape subcommittee)
- Retail Merchandising; Restaurant, Hotel, and Tourism; Family and Consumer Sciences Education Transition Team for realignment (Member, 2010)
- College of Education, Quarters-to-Semesters (Q2S) Steering Committee (Chair, 2008-2009)
- College of Education, Assessment Council for NCATE work (Member, 2006-2007)
- College of Education, CTC Vision Task Force (Co-Chair, 2006-2007)
- College of Education, Curriculum and Technology Center Committee (Chair, 2005-2006)
- College of Education, Research Committee (Co-Chair, 2004-2005)
- College of Education, Dean's Advisory Committee on Recision (Member, 2005)
- College of Education, Research Conference Committee (Co-Chair, 2003-2004; Member, 2002-2003)
- College of Education, Dean's Governance Study Group (Member, 2002)

- Curriculum and Instruction Program, Doctoral Committee (Non-voting Member, 2000-2002)

Department/Program Service

- Department of Educational Studies, Tenure and Promotion Committee (has responsibility for tenure and/or promotion recommendations, mid-term tenure reviews, annual evaluations of progress toward tenure and/or promotion, faculty fellowship leave recommendations, and annual department chair evaluation)
 - Chair (2022-2023, 2006-2007) {1 tenure & promotion case these years}
 - Chair (2021-2022) {no tenure or promotion cases in this year}
 - Chair (2016-2017) {1 tenure & promotion, 1 tenure-only case for hiring/transfer of colleges}
 - Chair (2013-2014) {1 tenure & promotion, 1 promotion, 2 non-tenure promotion cases}
 - Chair (2011-2012) {1 tenure & promotion case, did not chair department chair evaluation}
 - Member (2020-2021) {1 non-tenure-track promotion case}
 - Member (2019-2020) {2 tenure & promotion cases}
 - Member (2018-2019) {1 tenure & promotion, 1 promotion, 1 non-tenure promotion case}
 - Member (2017-2018, 2014-2015) {no tenure or promotion cases these years}
 - Member (2015-2016, 2007-2008) {1 promotion case these years}
 - Member (2012-2013) {1 tenure-only case for hiring}
- Educational Research and Evaluation
 - Interim Program Coordinator (Spring Semester, 2022; Spring Semester, 2014)
 - Program Coordinator (2011-2013, 2006-2007, 2002-2005)
- Department of Educational Studies, Policy and Professional Relations Committee (Chair, 2019-2021; Member, 2018-2019)
- Department of Educational Studies, Annual Merit Review Committee
 - Chair (2013-2014, 2011-2012, 2006-2007) {simultaneous responsibility as Chair of the Tenure and Promotion Committee, but separate committees}
 - Member (2002-2003) {then called Salary Committee}
- Educational Research and Evaluation, Faculty Search Committees
 - Co-Chair (2013-2014) {Tenure track search}
 - Member (2012-2013, 2007-2008) {Tenure track search}
- Educational Administration (Interim Program Co-Coordinator, 2012-2013)
- Educational Administration, Faculty Search Committees
 - Chair (2012-2013) {Tenure track search}
 - Member (2012-2013) {Non-tenure track search}
 - Member (2011-2012) {Non-tenure track search and visiting faculty search}
 - Member (2010-2011) {Tenure track search}
- Department of Educational Studies, Department Chair (2008-2011) {also listed above in *EXPERIENCE*}
- Department of Educational Studies, Finance Committee (Member, 2002-2004)

Peer Reviews for Textbook Publishers

- Sage Publications, standardized testing book prospectus (2005), multivariate methods textbook (2015), introductory statistics textbook (2015), R textbook to accompany an introductory statistics textbook (2019)
- Corwin Press, dissertation process book proposal (2008)
- Worth Publishers, introductory statistics book proposal (2008)
- Guilford Press, 3 multiple regression book proposals (2 in 2006, 1 in 2008)
- Lawrence Erlbaum Associates, intermediate statistics book revision plan (2004)
- Wadsworth Press, CD-ROM software video guide for SPSS (2004)

Consulting and Partnership Service

- Technical Working Group for REL Appalachia, a Regional Educational Laboratory of the U.S. Department of Education's Institute of Education Sciences (Consultant/Technical Advisor, 2014-2015)
- Department of Research and Studies, National Center for Assessment in Higher Education, Saudi Arabia (STEP Research Report Reviewer, Summer-Fall, 2014)

- Center for Higher Education at Ohio University, a research and policy analysis center with a mission focused on higher education issues in Ohio, the Appalachian region, and the nation. The Center is involved in activities that include externally funded research projects, independent research projects, consultation, and other service (Affiliated Faculty, 2007-2012) {Informal consulting on just a few projects}
- Institute for Democracy in Education, a center whose mission is to provide research and consultation services to agencies serving historically underserved K-12 students, as well as families and caregivers. IDE conducts, sponsors, and supports research, program evaluation, and other technical assistance to educators, and parent and community organizations (Affiliated Faculty, 2009-2011) {Informal consulting on just a few projects}
- Ohio University George Voinovich Center for Leadership and Public Affairs (Faculty Fellow, 2003-2010) {Informal consulting on just a few projects before 2005}
- South East Ohio Center for Excellence in Mathematics and Science (SEOCEMS)
 - Consultant (2007-2008) {Developed action research methods online workshop content}
 - University Partner (2006-2008) {Collaborative Study Investigation team Alexander LSD}
 - Consultant (2005-2007) {Provided training and consultation for action research design and methodology to CSI teams of secondary teachers supported by SEOCEMS}
- Evaluation of 21st Century Community Learning Centers at Cutler and Bartlett Schools in the Warren Local School District: Report of Center Services Provided During 2006-2007. Funded by Ohio Department of Education. A. Howley, primary investigator (Consultant, 2007)
- Math/Stat Teacher Education: Assessment, Methods, and Strategies (TEAMS): Planning the Statistics Education of Future Teachers; OU Team, invited to this inaugural conference sponsored by American Statistical Association as 1 of only 19 interdisciplinary teams nationally, included faculty from OU Math Department: David Keck, Laura Moss, and team leader Maria Rizzo (Team Member, Fall 2003)
- Ohio University Telecommunications Center (Consultant, 2001-2002) {Assisted with evaluation of "History Comes Alive in SE Ohio" CD-ROM}
- Leadership and Research Committee of the Coalition of Rural and Appalachian Schools (Consultant, 2001-2002) {Assisted with data analysis for a research project conducted by CORAS}
- Butler, Cincione, DiCuccio, Dritz, & Barnhart Law Office, Columbus, OH (Consultant, 1997) {Regarding statistical matters related to medical malpractice litigation; explained and interpreted medical research papers presented as evidence in a civil lawsuit; attended deposition of expert}

OTHER ACTIVITIES

Selected Professional Development Attendance

- *Patton College Mentor Leader Training* (2020-2021, several meetings during year)
- *Analysis of Complex Survey Data from NCES* (December 2020), workshop presented by Laura Stapleton and sponsored by the Center for Integrated Latent Variable Research (CILVR) at The University of Maryland
- *Using Factor Analysis for Survey Design and Validation* (September 2020), workshop presented by Katherine Picho & Marie Plaisime and sponsored by American Educational Research Association Virtual Research Learning Series
- *Introduction to Meta-Analysis* (February 2020), workshop presented by Joshua Polanin and sponsored by the University of Maryland CILVR
- Attended paper presentation sessions at American Educational Research Association annual meeting (2019, 2016, 2014, 2011-2012, 2006-2009, 2002-2004, 1994)
- Attended paper presentation sessions at Mid-Western Educational Research Association annual meeting (2001-2019, 1998, 1995, 1992)
- *Bayesian Statistical Modeling: A First Course and A Second Course* (June 2019), workshop presented by Roy Levy and sponsored by the University of Maryland CILVR
- *Test Equating Methods and Practices* (April 2014), pre-conference workshop sponsored by the American Educational Research Association
- *Analysis Using Sampling Weights and Appropriate Standard Error Estimation with NCES Data* (April 2014), pre-conference workshop sponsored by the American Educational Research Association

- Sensitivity Analysis: Quantifying the Discourse About Causal (April 2014), pre-conference workshop sponsored by the American Educational Research Association Inference
- Propensity Score Matching Using R (April 2014), pre-conference workshop sponsored by the American Educational Research Association
- Winter Institute on Structural Equation Modeling including Introduction to Structural Equation Modeling and Advanced Topics in Structural Equation Modeling (January 2013), workshop presented by Gregory Hancock and sponsored by the University of Maryland CILVR
- A Gentle Introduction to Hierarchical Linear Modeling (April 2011), pre-conference workshop sponsored by the American Educational Research Association
- Data Analysis on Simple Random Samples and NCES Complex Samples Using the R Software (April 2011), pre-conference workshop sponsored by American Educational Research Association
- An Introductory Primer Review of Multivariate Statistics II: Descriptive and Predictive Discriminant Analyses and Canonical Correlation Analysis (April 2011), pre-conference workshop sponsored by the American Educational Research Association
- Introduction to Multilevel Analysis Methods: Hierarchical Linear Modeling (March 2006), workshop presented by Robert Croninger and sponsored by the University of Maryland
- Introduction to Structural Equation Modeling (March 2006), workshop presented by Gregory Hancock and Ralph Mueller and sponsored by the University of Maryland

Community Activities

- Board of Education, Alexander Local School District, Athens County, OH
 - Member (2006-2013) {Elected in 2005 & 2009 Ohio general elections to two 4-year elective terms; did not run for re-election in 2013}
 - Member of district-wide School Health Team (2006-2008); member of ad hoc committee on Alexander High School grading policy (2007); liaison to regular meetings for Alexander High School student advisory group (2006-2008)
 - Student Achievement Liaison to Ohio School Boards Association (2010-2013, 2006-2008)
 - Delegate to Ohio School Boards Association Capital Conference convention (2007, 2009)
- Alexander Soccer Club, Albany, OH (Coach, 2001-2003)
- Pickerington Youth Soccer Association, Pickerington, OH (Coach, 1998-2001)
- Epiphany Lutheran Church, Pickerington, OH
 - President, Preschool Board (1999-2001)
 - Member, Church Council (1999-2001, elected twice)

Scholarship Under Review

- DO, H., Wurm-Schaar, M., & Brooks, G. (in revision Summer 2022). Examining the factor structure of a subjective well-being scale in a medical student sample. *Journal of Osteopathic Medicine*.
- DO, H., & Brooks, G. (in revision Summer 2022). Parameter Recovery for the Four-Parameter Item Response Theory Model: A Comparison of Marginal Maximum Likelihood and Markov Chain Monte Carlo Approaches. *Educational and Psychological Measurement*.
- ADJANIN, N., & Brooks, G. P. (submitted to journal July, 2022). *Witnessing the Last Tropical Glaciers: Student Use of Virtual Reality Technology to Learn about Climate Change and Protecting Endangered Environments*. Manuscript submitted for publication in the *Journal of Science Education and Technology*, Special Issue: Transforming Issues-based Science Education with Innovative Technologies.
- Brooks, G. P., & ADJANIN, N. (submitted to conference July, 2022). *Back to the Future: Human-friendly Scheffé Contrasts, or, the Art of Multiple Comparisons*. Paper submitted for presentation at the 2023 annual meeting of the American Educational Research Association, Chicago, IL.
- ADJANIN, N., & Brooks, G. P. (submitted to conference July, 2022). *“Being There”: Students’ Attitudes toward Virtual Reality to Learn about the Last Tropical Glaciers*. Paper submitted for presentation at the 2023 annual meeting of the American Educational Research Association, Chicago, IL.

SERVICE ON SUCCESSFULLY COMPLETED DISSERTATION/THESIS DEFENSES (defense year in parentheses)

Served as an active methodologist for design and/or analysis on approximately 70-80% of all committees

Most of the dissertations since 2006 are available at:

https://etd.ohiolink.edu/apexprod/rws_olink/r/1501/21?p21_instd=17&clear=21

{NOTES: *chair/co-chair, †dean's representative, ^master's thesis=10 total, blue=different college (~outside rep)}

204. †Deependra Budhathoki (2022) Mathematics Education
 203. †Harman Aryal (2022) Mathematics Education
 202. Nouf Azab (2022) Innovative Learning Design & Technology
 201. Elife Ceviker (2022) Innovative Learning Design & Technology
 200. ~Chetra Chap (2022) Media Arts & Studies
 199. Sarah Parker-Clever (2022) Educational Leadership
 198. †Terri Hood-Brown (2021) Higher Education & Student Affairs
 197. †Marie Vasquez-Brooks (2021) Higher Education & Student Affairs
 196. †Otto Shaw (2021) Mathematics Education
 195. †Madeleine Stevens (2021) Counselor Education & Supervision
 194. *Thu Hoan Do (2021) Educational Research & Evaluation
 193. Audra Anjum (2020) Instructional Technology
 192. *Michael Senteney (2020) Educational Research & Evaluation
 191. Nina Adanin (2020) Instructional Technology
 190. Tahnee Andrew (2020) Teacher Education
 189. Yi Zhou (2020) Educational Research & Evaluation
 188. *Abdulmajeed Alharbi (2020) Educational Research & Evaluation
 187. †Stephanie Maccombs (2020) Counselor Education & Supervision
 186. Dana Simionescu (2020) Instructional Technology
 185. †Kristin Chamberlain (2020) Counselor Education & Supervision
 184. Federica Incerti (2019) Instructional Technology
 183. *Fatimah Alabdullatif (2019) Educational Research & Evaluation
 182. *Beryl Neequaye (2019) Educational Research & Evaluation
 181. Matt Vosler (2019) Teacher Education
 180. ~Abdulwahab Alsulami (2019) Communication Studies
 179. †Stephanie Clemons Thompson (2019) Higher Education & Student Affairs
 178. †Kathleen Kutsko (2019) Higher Education & Student Affairs
 177. William Soto (2018) Counselor Education & Supervision
 176. †Rebecca Smith (2018) Counselor Education & Supervision
 175. Karen Coffman (2018) Educational Leadership
 174. ~Hengjun Lin (2018) Communication Studies
 173. †Sheila Chelimo (2018) Higher Education & Student Affairs
 172. *Leslie Rosales Flores (2018) Educational Research & Evaluation
 171. Amirah Alkhwajah (2018) Instructional Technology
 170. †Tracie Vegh (2018) Teacher Education
 169. *Pornchanok (Porsche) Ruengvirayudh (2017) Educational Research & Evaluation
 168. †Ceara Shaughnessy (2017) Counselor Education & Supervision
 167. †Huan Tang Lu (2017) Counselor Education & Supervision
 166. †Mengwei Su (2017) Higher Education & Student Affairs
 165. †Laura Doty (2017) Higher Education & Student Affairs
 164. †Bethany Fulton (2017) Counselor Education & Supervision
 163. †Bridget Asempapa (2017) Counselor Education & Supervision
 162. †Maureen Doyle-Scharff (2017) Higher Education & Student Affairs
 161. †Bilal Kalkan (2017) Higher Education & Student Affairs
 160. †Danny Twilley (2016) Higher Education & Student Affairs
 159. †Patrick Gill (2016) Higher Education & Student Affairs
 158. *Kamile Geist (2016) Teacher Education
 157. Ali Al Zebidi (2016) Instructional Technology
 156. †Golden Fanning (2016) Counselor Education & Supervision
 155. †Colette Masterson (2016) Higher Education & Student Affairs
 154. Ashley Hopkins (2016) Educational Leadership
 153. †Michele Courtney (2016) Higher Education & Student Affairs
 152. Reuben Asempapa (2015) Higher Education & Student Affairs
 151. Kun Li (2015) Instructional Technology
 150. †Michele Sheets (2015) Higher Education & Student Affairs
 149. *Katie Hostiuck (2015) Educational Leadership
 148. ~Jeremy Jokinen (2015) Psychology
 147. *Anthony Huffman (2015) Educational Leadership
 146. Bob West (2015) Instructional Technology
 145. †Kimberly Ferguson (2015) Higher Education & Student Affairs
 144. †Larissa Harper (2015) Higher Education & Student Affairs
 143. Brad Imhoff (2015) Counselor Education & Supervision
 142. Hongjing Liao (2015) Educational Research & Evaluation
 141. †Bilge Sulak (2015) Counselor Education & Supervision
 140. Colon Lewis (2015) Educational Leadership
 139. Adam Hiebel (2014) Educational Leadership
 138. Tom Gibbs (2014) Educational Leadership
 137. ~Adil Al-Busaidi (2014) Communication Studies
 136. †Covia Boyd (2014) Higher Education & Student Affairs
 135. †Amy Wolfe (2014) Teacher Education
 134. Ellen Yeh (2014) Counselor Education & Supervision
 133. Jamie Lusher (2014) Educational Leadership
 132. ~Michael Warren (2014) Psychology
 131. *Emily Price (2014) Educational Research & Evaluation
 130. †Daniel Showalter (2014) Educational Leadership
 129. Lamees Alaulamie (2014) Instructional Technology
 128. *Denver Fowler (2014) Educational Leadership
 127. Eric Beeson (2014) Counselor Education & Supervision
 126. *Trevor Thomas (2013) Educational Leadership
 125. †Kathy Pittman (2013) Teacher Education
 124. *Marsha Lewis (2013) Educational Research & Evaluation
 123. Randell Price (2013) Higher Education & Student Affairs
 122. ~Shanshan Lou (2013) Mass Communication
 121. ~Michael Parsons (2013) Communication Studies
 120. †Mary El-Mereedi (2013) Teacher Education
 119. Shannon David (2013) Educational Research & Evaluation
 118. ~Moyi Jia (2013) Communication Studies
 117. Rebecca Watts (2013) Higher Education & Student Affairs
 116. Caroline Lopez (2013) Counselor Education & Supervision
 115. Elham Alsadoon (2013) Instructional Technology
 114. ~Ran Ju (2013) Communication Studies
 113. Jonathan Procter (2013) Counselor Education & Supervision
 112. Christine Crumbacher (2012) Educational Research & Evaluation
 111. *Maryalice Turner (2012) Educational Leadership
 110. ~Li Li (2012) Communication Studies
 109. *Tamu Lucero (2012) Educational Leadership
 108. *Yanju Li (2012) Educational Research & Evaluation
 107. Randy Ware (2012) Higher Education & Student Affairs
 106. ^Joseph Crowley (2012) Recreation & Sport Pedagogy

105. [^Anna Gray \(2012\) Exercise Physiology](#)
 104. Michelle Godek (2012) Higher Education & Student Affairs
 103. [Kevin Daberkow \(2012\) Individual Interdisciplinary Program](#)
 102. †David Graham (2011) Higher Education & Student Affairs
 101. †Elinda Boyles (2011) Higher Education & Student Affairs
 100. †Heather Kincaid (2011) Higher Education & Student Affairs
 099. James McKean (2011) Higher Education & Student Affairs
 098. †Jennifer Hall-Jones (2011) Higher Education & Student Affairs
 097. Christopher Bridges (2011) Higher Education & Student Affairs
 096. †Deb Britt (2011) Teacher Education
 095. [~Yuping Mao \(2010\) Communication Studies](#)
 094. Lucy Rader-Brown (2010) Educational Leadership
 093. Wipada Wanich (2010) Educational Research & Evaluation
 092. Sarita Sankey (2010) Counselor Education & Supervision
 091. †Ameena Mu'min (2010) Counselor Education & Supervision
 090. [*Qian An \(2010\) Educational Research & Evaluation](#)
 089. Heidi Llewellyn (2009) Counselor Education & Supervision
 088. Chandra Bell (2009) Higher Education & Student Affairs
 087. [~Kevin Meyer \(2009\) Communication Studies](#)
 086. †Bethany Schweitzer (2009) Higher Education & Student Affairs
 085. †Phil Lootens (2009) Higher Education & Student Affairs
 084. †Jennifer Maskiell (2009) Higher Education & Student Affairs
 083. Tara Boyer (2009) Teacher Education
 082. †Gregory Goodhart (2009) Higher Education & Student Affairs
 081. †Valerie Blom (2009) Teacher Education
 080. †Laquore Meadows (2009) Higher Education & Student Affairs
 079. Margaret Sackey (2008) Cultural Studies
 078. Beth McKenzie (2008) Higher Education & Student Affairs
 077. Marilyn Carnes (2008) Educational Leadership
 076. †Wendy Blevins (2008) Counselor Education & Supervision
 075. Chinhong Chang (2008) Instructional Technology
 074. †Lisa Smith (Phillips) (2008) Higher Education & Student Affairs
 073. [~William Fournier \(2008\) Communication Studies](#)
 072. Albert Andrade (2008) Instructional Technology
 071. Valerie Valentine (2008) Teacher Education
 070. [~Yuxia Qian \(2007\) Communication Studies](#)
 069. [*Hippolyte Lohaka \(2007\) Educational Research & Evaluation](#)
 068. Mingli Xiao (2007) Instructional Technology
 067. William King (2007) Counselor Education & Supervision
 066. [~Do Kyun Kim \(2007\) Communication Studies](#)
 065. Elin Driana (2007) Educational Research & Evaluation
 064. Faisal Abdelfattah (2007) Educational Research & Evaluation
 063. Ryan McCall (2007) Higher Education & Student Affairs
 062. Amy Adams (2007) Higher Education & Student Affairs
 061. Victor Heh (2007) Educational Research & Evaluation
 060. †Melissa Freeman (2007) Higher Education & Student Affairs
 059. [^Tammy Collier \(2007\) Health & Human Services](#)
 058. Harold Blanco (2007) Instructional Technology
 057. Edward Kehres (2007) Higher Education & Student Affairs
 056. John Stemmer (2007) Higher Education & Student Affairs
 055. †Larry Hunter (2007) Higher Education & Student Affairs
 054. Scott Robison (2007) Instructional Technology
 053. Douglas Franklin (2007) Higher Education & Student Affairs
 052. Holly Miller (2006) Counselor Education & Supervision
 051. [*Holly Raffle \(2006\) Educational Research & Evaluation](#)
 050. [*Hua Fang \(2006\) Educational Research & Evaluation](#)
 049. [~Yen-Ling Chan \(2006\) Health & Human Services](#)
 048. Daniel Burke (2006) Educational Leadership
 047. Yanling Sun (2006) Instructional Technology
 046. [^Anzhela Polunenko \(2006\) Health & Human Services](#)
 045. Roberta Reaves (2005) Educational Leadership
 044. †David Stretton (2005) Higher Education & Student Affairs
 043. [Michele Smith \(2005\) Individual Interdisciplinary Program](#)
 042. [~Paige Miller \(2005\) International Studies](#)
 041. [~Doreen Jowi \(2005\) Communication Studies](#)
 040. Julia Gill (2005) Higher Education & Student Affairs
 039. Leroy Scribner (2005) Higher Education & Student Affairs
 038. [^Abdulai Koroma \(2005\) International Studies](#)
 037. [~Petula Vaz \(2004\) Health & Human Services](#)
 036. [*^Leandra Laidlow \(2004\) Educational Research & Evaluation](#)
 035. [~Christopher Petrosino \(2004\) Communication Studies](#)
 034. Lydia Kyei-Blankson (2004) Educational Research & Evaluation
 033. Eric Brown (2004) Educational Leadership
 032. †Joni Schaller (2004) Higher Education & Student Affairs
 031. Hua Gao (2004) Educational Research & Evaluation
 030. Chia-Ling Kuo (2004) Instructional Technology
 029. †Khalid Alzahrani (2004) Teacher Education
 028. Joseph Blankson (2003) Instructional Technology
 027. †Michael DiNicola (2003) Counselor Education & Supervision
 026. Joy Matthews-Lopez (2003) Educational Research & Evaluation
 025. Jamal Al-Ammari (2003) Instructional Technology
 024. Soliman Al-Kharboush (2003) Teacher Education
 023. [^John Pugh \(2003\) Health & Human Services](#)
 022. Gulsah Gocmen (2003) Educational Research & Evaluation
 021. John Zimmerman (2003) Teacher Education
 020. Dennis Thornton (2003) Teacher Education
 019. Wendy Halar (2003) Educational Leadership
 018. [*Gibbs Kanyongo \(2003\) Educational Research & Evaluation](#)
 017. Donald Washburn (2003) Educational Leadership
 016. †Elizabeth Mellin (2003) Counselor Education & Supervision
 015. ^Laura Balsler (2003) Educational Research & Evaluation
 014. Curt Laird (2003) Higher Education & Student Affairs
 013. Khaleel Al-Harbi (2003) Educational Research & Evaluation
 012. [~Daniel Peterson \(2002\) Communication Studies](#)
 011. Cher Igelman (2002) Counselor Education & Supervision
 010. †Ali Hadi (2002) Teacher Education
 009. Saleh Al-Oteawi (2002) Instructional Technology
 008. ^Eun-Joo Kim (2002) Teacher Education
 007. †Shaye Al-Shaye (2002) Teacher Education
 006. Nicole Hill (2002) Counselor Education & Supervision
 005. †Ali Ebrahim (2002) Teacher Education
 004. Ghada Eid (2002) Educational Research & Evaluation
 003. †Jay Familant (2002) Higher Education & Student Affairs
 002. Yanling Zhang (2001) Educational Research & Evaluation
 001. Humaira Al-Suleimani (2001) Educational Research & Evaluation

Summary (July 2022)

Chair/Co-Chair	23
Dean's Representative Other Colleges	22
College of Education Dean's Representative	60+
College of Education Students	175
Students from other Colleges	29
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