

Curriculum Vitae | Tony Albano

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Updated: September 1, 2024

Education

- Ph.D., University of Minnesota, May, 2012
Program: Educational Psychology
- B.S., Brigham Young University, 2006
Program: Psychology

Professional Experience

- *Associate Professor*, School of Education, University of California, Davis, 2019 - Present
- *Associate Professor*, Educational Psychology, University of Nebraska, Lincoln, 2018 - 2019
- *Assistant Professor*, Educational Psychology, University of Nebraska, Lincoln, 2012 - 2018

Teaching

Current Courses

- UCD: EDU 119: Use and Misuse of Standardized Testing
- UCD: EDU 203: Educational Testing and Evaluation
- UCD: EDU 204A: Quantitative Methods in Educational Research: Experimental Designs
- UCD: EDU 286A: Data-Driven Decision-Making
- UCD: EDU 292: Advanced Measurement
- UCD: EDU 292: R for Data Science

Previous Courses

- UNL: EDPS 991: Equating
- UNL: EDPS 900D: Survey Methodology in Educational Research
- UNL: EDPS 892: Introduction to Educational Assessment
- UNL: EDPS 870: Introduction to Educational and Psychological Measurement
- UNL: EDPS 859: Statistical Methods
- UNL: EDPS 845: R Programming

Selected Consulting

- Educational Testing Service, 2023 - 2024
Member of the Research-Technical Advisory Committee, Global Higher Education
- Curriculum Associates, LLC, 2023 - 2024
Member of the Literacy Advisory Committee
- New Mexico Department of Education, 2022 - 2024
Member of the Technical Advisory Committee, state assessment
- Kidaptive, Inc, 2019 - 2020
Developing algorithms for computerized adaptive testing
- Buros Center for Testing, 2012 - 2019
Auditing psychometric processes for state testing programs
- FastBridge Learning, LLC, 2014 - 2018
Longitudinal modeling for progress monitoring assessment system
- World Bank, 2017
Conducting equating for the Pacific Early Age Reading and Literacy project
- RTI International, 2012 - 2016
Conducting equating in longitudinal international assessment systems
- Michigan Department of Education, 2008, 2012
Psychometric evaluation and reporting for alternate assessment program
- Questar Assessment, Inc, 2011
Conducting item calibration for state alternate assessment program
- Michigan State University, 2008 - 2010
Support in item development, analysis, and scaling in the Teacher Education and Development Study in Mathematics

Publications

Journal Articles

1. Raia-Hawrylak, A., Callejas, L., Glover, T. A., Guerriero, L., Kettler, R., & **Albano, A. D.** (2024). Initial validation of the New Jersey School Climate Improvement Survey. *School Psychology Review*, 1–13.
2. **Albano, A. D.** (2024). Review of Validity: An Integrated Approach to Test Score Meaning and Use, by Gregory J. Cizek, *Applied Measurement in Education*, 36:4, 394–397.
3. **Albano, A. D.**, French, B. F., Thu Vo, T. (2024). Traditional vs intersectional DIF analysis: Considerations and a comparison using state testing data. *Applied Measurement in Education*, 37(1), 57–70.
4. McConnell, S. R., Wackerle-Hollman, A. K., **Albano, A. D.**, Lease, E. M., Elmquist, M., & Will, K. K. (2023). Growth and utility of language and early literacy measures for young children. *Journal of Early Intervention*. 1–18.
5. Rosenthal, J. L., **Albano, A. D.**, Tancredi, D. J., Perez, S. L., Young, H. M., & Romano, P. S. (2023). Development and psychometric evaluation of a caregiver survey to assess family-centered care in the emergency department. *Academic pediatrics*, 23(5), 931–938.

6. **Albano, A. D.** (2021). Commentary: Social responsibility in college admissions requires a reimagining of standardized testing. *Educational Measurement: Issues and Practice*, *40*, 49–52.
7. Cai, L., **Albano, A. D.**, & Roussos, L. A. (2021). An investigation of item calibration methods in multistage testing. *Measurement: Interdisciplinary Research and Perspectives*, *19*, 163–178.
8. **Albano, A. D.**, McConnell, S. R., Lease, E. M., & Cai, L. (2020). Contextual interference effects in early assessment: Evaluating the psychometric benefits of item interleaving. *Frontiers in Education*, *5*(133), 1–9.
9. Peteranetz, M. S. & **Albano, A. D.** (2020). Development and evaluation of the Nebraska Assessment of Computing Knowledge. *Frontiers in Computer Science*, *2*(11), 1–8.
10. **Albano, A. D.**, & Wiberg, M. (2019). Linking with external covariates: Examining accuracy by anchor type, test length, ability difference, and sample size. *Applied Psychological Measurement*, *43*, 597–610.
11. Zhang, J., Wang, L., Deng, X., Fei, G., Jin, L., Pan, X., Cai, L., **Albano, A. D.**, & Zhong, C. (2019). Five-minute cognitive test as a new quick screening of cognitive impairment in the elderly. *Aging and Disease*, *10*(6), 1258–1269.
12. **Albano, A. D.**, Cai, L., Lease, E. M., & McConnell, S. R. (2019) Computerized adaptive testing in early education: Exploring the impact of item position effects on ability estimation. *Journal of Educational Measurement*, *56*, 437–451.
13. Beck, M. F., **Albano, A. D.**, & Smith, W. (2019). Person-fit as an index of inattentive responding: A comparison of methods using polytomous survey data. *Applied Psychological Measurement*, *43*, 374–387.
14. **Albano, A. D.**, Christ, T. J., & Cai, S. (2018). Evaluating equating in progress monitoring measures using multilevel modeling. *Measurement: Interdisciplinary Research and Perspectives*, *16*, 168–180.
15. Kutaka, T. S., Smith, W. M., **Albano, A. D.**, Edwards, C. P., Ren, L., Beattie, H. L., & Lewis, J. W. (2017). Connecting teacher professional development and student mathematics achievement: A four-year study of an elementary mathematics specialist program. *Journal of Teacher Education*, *68*, 140–154.
16. **Albano, A. D.** (2016). equate: An R package for observed-score linking and equating. *Journal of Statistical Software*, *74*(8), 1–36.
17. Wyse, A. E., & **Albano, A. D.** (2015). Considering the use of general and modified assessment items in computer adaptive testing. *Applied Measurement in Education*, *28*, 156–167.
18. **Albano, A. D.** (2015). A general linear method for equating with small samples. *Journal of Educational Measurement*, *52*, 55–69.
19. Miller, B. G., Cox, C. J., Hougham, R. J., Walden, V. P., Eitel, K. B., & **Albano, A. D.** (2015). Adventure learning as a curricular approach that transcends geographies and connects people to place. *The Curriculum Journal*, *26*, 290–312.
20. Bradfield, T., Besner, A., Wackerle-Hollman, A., **Albano, A. D.**, Rodriguez, M. C. & McConnell, S. (2014). Redefining Individual Growth and Development Indicators: Oral Language. *Assessment for Effective Intervention*, *39*, 233–244.
21. **Albano, A. D.** (2013). Multilevel modeling of item position effects. *Journal of Educational Measurement*, *50*, 408–426.

22. **Albano, A. D.**, & Rodriguez, M. C. (2013). Examining differential math performance by gender and opportunity to learn. *Educational and Psychological Measurement*, *73*, 836–856.
23. Babcock, B., & **Albano, A. D.** (2012). Rasch scale stability in the presence of item parameter and trait drift. *Applied Psychological Measurement*, *36*, 565–580.
24. Babcock, B., **Albano, A. D.**, & Raymond, M. R. (2012). Nominal weights mean equating: A method for very small samples. *Educational and Psychological Measurement*, *72*, 608–628.
25. **Albano, A. D.**, & Rodriguez, M. C. (2012). Statistical equating with measures of oral reading fluency. *Journal of School Psychology*, *50*, 43–59.
26. Nelson, D. A., Robinson, C. C., Hart, C. H., **Albano, A. D.**, & Marshall, S. J. (2010). Italian preschoolers' peer-status linkages with sociability and subtypes of aggression and victimization. *Social Development*, *19*, 698–720.

Books

1. Rodriguez, M. C., & **Albano, A. D.** (2017). *The college instructor's guide to writing test items: Measuring student learning*. New York, NY: Routledge.
2. **Albano, A. D.** (2017) *Introduction to educational and psychological measurement: Using R*. UNL Digital Commons, Available from <http://digitalcommons.unl.edu/edpsychpapers/251/>

Book Chapters and Entries in Edited Volumes

1. Restani, R., Jimenez-Silva, M., **Albano, A. D.**, Abdelrahim, S., Ambrose, R., & Martin, R. (2024). Following a conversation script: Addressing the discord of the impact of language supports in peer interactions for multilingual students. In T. Evans, O. Marmur, J. Hunter, & G. Leach (Eds.), *Proceedings of the 47th conference of the International Group for the Psychology of Mathematics Education*.
2. Restani, R., Jimenez-Silva, M., **Albano, A. D.**, Abdelrahim, S., Martin, R., & Ambrose, R. (2024). Engaging multilingual students in frequent and supported opportunities for discourse to strengthen their mathematical thinking. In J. Visnovska, E. Ross, & S. Getenet (Eds.), *Proceedings of the 46th conference of the Mathematics Education Research Group of Australasia*.
3. **Albano, A. D.** (2020). Measurement. In S. M. Brookhart (Ed.), Assessment Section, D. Fisher (Ed.), *The Routledge Encyclopedia of Education*. New York, NY: Taylor & Francis.
4. Daly, E. J., III, Holtz, J., Young, N. D., **Albano, A. D.**, & Sommerhalder, M. (2019). Using self-report in psychological assessments of sexually violent predator evaluations. In D. S. Bromberg & W. T. O'Donohue (Eds.), *Sexually violent predators: A clinical science handbook*. New York, NY: Springer.
5. Cai, L., & **Albano, A. D.** (2018). Examining sources of gender DIF using cross-classification multilevel IRT models. In M. T. Tatto, M. C. Rodriguez, W. M. Smith, M. Reckase, & K. Bankov (Eds.), *Exploring the mathematics education of teachers using TEDS-M data*. New York, NY: Springer.
6. Kutaka, T. S., Smith, W. M., & **Albano, A. D.** (2018). Differences in beliefs and knowledge for teaching mathematics: An international study of future teachers. In M. T. Tatto, M. C. Rodriguez, W. M. Smith, M. Reckase, & K. Bankov (Eds.), *Exploring the mathematics education of teachers using TEDS-M data*. New York, NY: Springer.
7. **Albano, A. D.**, & Rodriguez, M. C. (2018). Item development: Research and practice. In S. N. Elliott, R. J. Kettler, P. A. Beddow, & A. Kurz (Eds.) *Handbook of accessible instruction and testing practices: Issues, innovations, and applications*. New York, NY: Springer.

8. **Albano, A. D.**, Chin, T. & Geisinger, K. F. (2016). Item response theory. In D. S. Dunn (Ed.), *Oxford Bibliographies in Psychology*. New York, NY: Oxford University Press.

Software & Research Tools

1. **Albano, A. D.** (2018). equate: Observed-score linking and equating [Computer software, R package version 2.0-7]. Available from <http://CRAN.R-project.org/package=equate>
2. **Albano, A. D.** (2017). Proola: A web application for collaborative assessment development. Available from <http://proola.org/>

Reports & Manuals

1. Wackerle-Hollman, A., **Albano, A. D.**, Elmquist, M., Will, K., McConnell, S., & Lease, E. (2021). Standard Setting for IGD Language and Early Literacy Measures for 3-Year-Old Children. IGDILab, University of Minnesota.
2. McConnell, S., Lease, E., Wackerle-Hollman, A., **Albano, A. D.**, Schardt, A., Schuster, K., & Cai, L. (2021). Testing Initial Items for Alphabet Knowledge, Phonological Awareness, and Oral Language for Three-Year-Old Children: Report of Phase 2 Results. IGDILab, University of Minnesota.
3. Will, K., McConnell, S., **Albano, A. D.**, Elmquist, M., Lease, E., & Wackerle-Hollman, A. (2021). Research and Development of an Oral Language Measure for 3-Year-Old Children. IGDILab, University of Minnesota.
4. Lease, E., **Albano, A. D.**, Will, K., Elmquist, M., McConnell, S., & Wackerle-Hollman, A. (2021). Preliminary Results, Criterion Validity Analysis. IGDILab, University of Minnesota.
5. **Albano, A. D.**, Brickman, P., Csikari, M., Julian, D., Orr, R. B., & Rodriguez, M. (2020). *Integrating Testing and Learning*. Washington, DC: HHMI BioInteractive.
6. **Albano, A. D.**, McConnell, S., Lease, E., Will, K., Elmquist, M., & Wackerle-Hollman, A. (2019). Preliminary Results, Scales and Seasonal Assessments of Three-Year-Old Students. IGDILab, University of Minnesota.
7. Schuster, K., Schardt, A., Brandes, D., Cai, L., **Albano, A. D.**, Wackerle-Hollman, A., & McConnell, S. (2017). Expanding Individual Growth and Development Indicators of Language and Early Literacy for Universal Screening in Multi-Tiered Systems of Support with Three-Year-Olds. IGDILab, University of Minnesota.
8. **Albano, A. D.** (2013). *Ghana NEA Equating Report*. Research Triangle Park, NC: RTI International.
9. Wyse, A. E., & **Albano, A. D.** (2012). *Reading, Mathematics, and Writing: Michigan's Alternate Assessment Program Based on Modified Achievement Standards Technical Report*. Lansing, MI: Office of Educational Assessment and Accountability, Michigan Department of Education.
10. Rodriguez, M. C., **Albano, A. D.**, & Haladyna, T. M. (2011). Item writing for test developers, researchers, and teachers. *Examinations Research (in Chinese)*, 27, 85-94.
11. **Albano, A. D.**, & Rodriguez, M. C. (2008). *MI-Access Functional Independence Science: Michigan's Alternate Assessment Program Technical Manual*. Lansing, MI: Office of Educational Assessment and Accountability, Michigan Department of Education.
12. Rodriguez, M. C., Maeda, Y., **Albano, A. D.**, & Jung, T. (2008). *Investigating out-of-school time experiences: Background, attitudes, values, and beliefs*. Minneapolis, MN: Applied Research Collaborative on Youth Development, Extension Service, University of Minnesota.

Presentations

Conference Papers

1. Abdelrahim, S., Restani, R., Jimenez-Silva, M., **Albano, A. D.**, & Martin, R. (July, 2024). Using children's texts to support multilingual students' math identity and problem-solving. *Paper presented at the Psychology of Mathematics Education - Teacher Day conference.* Auckland, NZ.
2. Restani, R., Ambrose, R., Abdelrahim, S., Jimenez-Silva, M., **Albano, A. D.**, & Martin, R. (2024, April). *Exploring multilingual children's conversations with peers about equal-sharing fraction problems.* Paper presented at the annual conference of the American Educational Research Association, Philadelphia, PA.
3. Abdelrahim, S., Jimenez-Silva, M., **Albano, A. D.**, & Zunino, V. (2024, January). *Discovering our math identities and those of our students.* Paper presented at the Hawaii International Conference on Education, Waioloa, HI.
4. Jimenez-Silva, M., Guerrero, K., Abdelrahim, S., **Albano, A. D.**, & Rillero, P. (2024, January). *Tranlanguaging in practice: Challenges, rewards, and examples from science, math, and geocivics.* Paper presented at the Hawaii International Conference on Education, Waioloa, HI.
5. Rosenthal, J. L., Tancredi, D. J., Perez, S. L., **Albano, A. D.**, Young, H. M., & Romano, P. S. (2022, April). *Development and psychometric evaluation of a family caregiver-reported survey to assess family-centered care in the emergency department.* Paper presented at the meeting of the Pediatric Academic Societies, Denver, CO.
6. **Albano, A. D.** (2022, April). *Social responsibility in college admissions requires a reimagining of standardized testing.* Paper presented at the meeting of the National Council on Measurement in Education, San Diego, CA.
7. Hojnoski, R., Wackerle-Hollman, A., **Albano, A. D.**, & Missall, K. (2022, February). *Applying a social justice framework in early childhood measurement development.* Paper presented at the Conference on Research Innovations in Early Intervention, San Diego, CA.
8. Missall, K., Hojnoski, R., **Albano, A. D.**, & Purpura, D. (2022, February). *Developing LLAMA (Links to Learning via Adaptive Math Assessment): Year 1 of research and development.* Paper presented at the Conference on Research Innovations in Early Intervention, San Diego, CA.
9. Lease, E., Wackerle-Hollman, A., Elmquist, M., Will, K., **Albano, A.**, & McConnell, S. (2021, September). *Early literacy and language performance trends for 3-year-old preschoolers.* Paper presented at the meeting of the Division for Early Childhood, New Orleans, LA.
10. Elmquist, M., Will, K., **Albano, A. D.**, Lease, E., McConnell, S., & Wackerle-Hollman, A. (2021, April). *Assessing early literacy growth and development in three-year-olds using Individual Growth and Development Indicators.* Paper presented at the meeting of the Society for Research in Child Development, Minneapolis, MN.
11. Missall, K., Hojnoski, R., Purpura, D., & **Albano, A. D.** (2021, February). *Adding to IGDIs: Developing an early math measure for preschool.* Paper presented at the meeting of the National Association of School Psychologists, virtual.
12. Will, K., Elmquist, M., **Albano, A. D.**, Wackerle-Hollman, A., Lease, E., & McConnell, S. (2021, January). *Scaling oral language measures to evaluate 3-year-olds' developing skills.* Paper presented at the meeting of the Division for Early Childhood, Minneapolis, MN.

13. **Albano, A. D.**, & Verhagen, J. (2020, September). *Recovering from suboptimal precalibration in a low-stakes, computerized-adaptive, diagnostic assessment system*. Paper presented at the meeting of the National Council on Measurement in Education, San Francisco, CA.
14. Will, K., Elmquist, M., Lease, E., Wackerle-Hollman, A., **Albano, A. D.**, & McConnell, S. (2019, June). *Starting early to go far: Language and early literacy assessment for three-year-olds*. Paper presented at the meeting of the International Society on Early Intervention, Sydney, Australia.
15. McConnell, S., Lease, E., Will, K., Elmquist, M., **Albano, A. D.**, & Beck, M. (2019, February). *Growing down: Early literacy general outcome measures for 3-year-olds*. Paper presented at the National Association of School Psychologists, Atlanta, GA.
16. **Albano, A. D.**, & Cai, L. (2018, April). *Modeling item position and context effects in formative CAT*. Paper presented at the meeting of the National Council on Measurement in Education, New York, NY.
17. Miller, A. & **Albano, A. D.** (2017, October). *Content Camp: Ohio State's collaborative, open test bank pilot*. Paper presented at OpenEd17: The 14th Annual Open Education Conference, Anaheim, CA.
18. **Albano, A. D.** (2017, April). *The role of assessment literacy in classroom assessment design and implementation*. Paper presented at the meeting of the National Council on Measurement in Education, San Antonio, TX.
19. Cai, L., & **Albano, A. D.** (2017, April). *Comparing non-equivalent groups linking methods with an anchor test and covariates*. Paper presented at the meeting of the National Council on Measurement in Education, San Antonio, TX.
20. Kim, M. S., Kang, C., & **Albano, A. D.** (2017, April). *A method for identifying linear item position effects on 3PL IRT item parameters*. Paper presented at the meeting of the National Council on Measurement in Education, San Antonio, TX.
21. Peteranetz, M. & **Albano, A. D.** (2016, August). *Confronting the challenges of measuring metacognition*. Paper presented in the Proceedings of the 7th Biennial Meeting of the EARLI Special Interest Group 16 Metacognition, Nijmegen, The Netherlands.
22. Cai, L., & **Albano, A. D.** (2016, April). *Examining sources of gender DIF using cross-classified IRT models*. Paper presented at the meeting of the National Council on Measurement in Education, Washington, DC.
23. **Albano, A. D.**, Kutaka, T. S., Smith, W. M., & Kang, C. (2015, April). *Exploring mathematical pedagogical content knowledge: An international study of future teachers*. Paper presented at the meeting of the American Educational Research Association, Chicago, IL.
24. Kutaka, T. S., Smith, W. M., **Albano, A. D.**, & Kang, C. (2015, April). *Differences in beliefs and knowledge for teaching mathematics: An international study of future teachers*. Paper presented at the meeting of the American Educational Research Association, Chicago, IL.
25. Smith, W., & **Albano, A. D.** (2015, April). *Selection strategies for loglinear smoothing models in a NEAT design*. Paper presented at the meeting of the National Council on Measurement in Education, Chicago, IL.
26. Kang, C., & **Albano, A. D.** (2015, April). *Linear and nonlinear modeling of item position effects*. Paper presented at the meeting of the National Council on Measurement in Education, Chicago, IL.

27. **Albano, A. D.** (2014, April). *Implementing and evaluating equating with small-scale assessments*. Paper presented at the meeting of the National Council on Measurement in Education, Philadelphia, PA.
28. Kutaka, T. S., Ren, L., Fleharty, H. L., Smith, W. M., Edwards, C. P., Green, J. L., & **Albano, A. D.** (2014, April). *Longitudinal change in students' Math achievement scores for an elementary mathematics specialist program*. Paper presented at the meeting of the American Educational Research Association, Philadelphia, PA.
29. Miller, B. G., Cox, C. J., Hougham, R. J., Walden, V. P., Eitel, K. B., & **Albano, A. D.** (2013). *Adventure Learning @ Greenland*. Paper presented at the fall meeting of the American Geophysical Union, San Francisco, CA.
30. **Albano, A. D.**, & Rodriguez, M. C. (2012, April). *Multilevel modeling of item parameter drift*. Paper presented at the annual meeting of the National Council on Measurement in Education, Vancouver, Canada.
31. Palma, J., Rodriguez, M. C., Cabrera, J. C., **Albano, A. D.**, Vue, Y., & Warshawski, A. J. (2012, April). *Effects of positive assets and socio-economic status on academic performance*. Paper presented at the meeting of the American Educational Research Association, Vancouver, Canada.
32. **Albano, A. D.**, Rodriguez, M. C., McConnell, S. R., Bradfield, T. & Wackerle-Hollman, A. (2011, April). *Scaling individual growth and development indicators: Early literacy measurement*. Paper presented at the meeting of the National Council on Measurement in Education, New Orleans, LA.
33. Rodriguez, M. C., **Albano, A. D.**, McConnell, S. R., Wackerle-Hollman, A. & Bradfield, T. (2011, April). *Standard setting with innovative measures of early literacy: Contrasting groups*. Paper presented at the meeting of the National Council on Measurement in Education, New Orleans, LA.
34. Wackerle-Hollman, A., Bradfield, T., McConnell, S., **Albano, A. D.**, & Rodriguez, M. C. (2011, April). *Task development and item analysis in innovative measures of early literacy*. Paper presented at the meeting of the National Council on Measurement in Education, New Orleans, LA.
35. Bradfield, T., Wackerle-Hollman, A., McConnell, S., Rodriguez, M. C. & **Albano, A. D.** (2011, April). *Construct identification to support early literacy measurement*. Paper presented at the meeting of the National Council on Measurement in Education, New Orleans, LA.
36. Babcock, B., & **Albano, A. D.** (2011, April). *Rasch scale drift over time: Examining when to reset the scale*. Paper presented at the meeting of the National Council on Measurement in Education, New Orleans, LA.
37. **Albano, A. D.**, Moses, T. P., & Liu, J. (2010, April). *The impact of smoothing on equating with structured data irregularities*. Paper presented at the meeting of the National Council on Measurement in Education, Denver, CO.
38. **Albano, A. D.** (2009, April). *Efficient common-item equating: Considering spread of item difficulty*. Paper presented at the meeting of the American Educational Research Association, San Diego, CA.

Workshops

1. **Albano, A. D.**, & Rodriguez, M. C. (2018, April). *Effective item writing for valid measurement*. Professional Development Course, presented at the meeting of the National Council on Measurement in Education, New York, NY.

2. **Albano, A. D.**, & Weeks, J. P. (2017, April). *An introduction to linking and equating in R*. Professional Development Course, presented at the meeting of the National Council on Measurement in Education, San Antonio, TX.
3. **Albano, A. D.**, & Rodriguez, M. C. (2016, April). *Effective item writing for valid measurement*. Professional Development Course, presented at the meeting of the National Council on Measurement in Education, Washington, DC.
4. **Albano, A. D.** (2015, April). *An introduction to equating in R*. Professional Development Course, presented at the meeting of the National Council on Measurement in Education, Chicago, IL.
5. **Albano, A. D.**, & Rodriguez, M. C. (2014, April). *Effective item writing for valid measurement*. Professional Development Course, presented at the meeting of the National Council on Measurement in Education, Philadelphia, PA.
6. Rodriguez, M. C., Haladyna, T. M., & **Albano, A. D.** (2010, April). *Moving from art to science: An item-writing course for test developers, researchers, and teachers*. Professional Development Course, presented at the meeting of the National Council on Measurement in Education, Denver, CO.

Research Support

Active

1. *Principal Investigator*, Testing the Efficacy of the SOAR for Math Professional Learning Program, National Science Foundation, 2018-2025. Award total: \$4,921,262.
2. *Co-Principal Investigator*, Development of a Responsive Computerized-Adaptive Assessment System for PreK Mathematics, Institute of Education Sciences, 2020-2025. Award total: \$1,393,698.
3. *Co-Principal Investigator*, Social-Emotional Analysis of the Language Environment (SEAL): Key Word & Phrase Spotting in Early Childhood Care Settings, National Science Foundation, 2023-2025. Award total: \$10,690.

Completed

1. *Co-Principal Investigator*, Rebalancing the Equity Gap in Chemistry Education with Individualized Adaptive Learning, California Education Learning Lab, 2020-2023. Award total: \$1,000,000.
2. *Co-Principal Investigator*, Expanding Individual Growth and Development Indicators of Language and Early Literacy for Universal Screening in Multi-Tiered Systems of Support with Three-Year-Olds, Institute of Education Sciences, 2016-2020. Award total: \$1,399,808.
3. *Principal Investigator*, Independent Verification of Nebraska State Accountability Testing Data, Nebraska Department of Education, 2017. Award total: \$22,000.
4. *Principal Investigator*, Scholarship of Teaching and Learning Award, Office of Academic Affairs, University of Nebraska-Lincoln, 2017. Award total: \$8,000.
5. *Co-Principal Investigator*, NeSA Assessment Data Verification, Nebraska Department of Education, 2016. Award total: \$11,242.
6. *Principal Investigator*, Layman Grant, Office of Research and Economic Development, University of Nebraska-Lincoln. Award total: \$10,000.

7. *Principal Investigator*, Technology Innovation Award, College of Education and Human Sciences, University of Nebraska-Lincoln. Award total: \$15,000.

Professional Service

Professional Organizations

- *Member*, American Educational Research Association
- *Member*, National Council on Measurement in Education

Panels and Committees

- *Member* Interim Assessment Advisory, EdReports, 2021 - 2022
- *Ad Hoc Reviewer*, Early Intervention and Early Childhood Education Panel, Institute of Education Sciences, 2021
- *Member*, Feasibility Study Work Group, University of California, 2020
- *Reviewer*, Peer Review of State Assessment Systems, US Department of Education, 2016 - 2019, 2022
- *Reviewer*, Mathematics and Science Education Grant Panel, Institute of Education Sciences, 2018

Editorial Boards

- Measurement: Interdisciplinary Research and Perspectives
- Applied Measurement in Education
- Journal of School Psychology

Ad Hoc Reviewer

- Applied Psychological Measurement
- Educational Assessment
- Educational and Psychological Measurement
- Frontiers in Education
- Journal of Educational Measurement
- Language Testing
- Measurement: Interdisciplinary Research and Perspectives
- The Counseling Psychologist