

Hyeon-Ah Kang

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Department of Educational Psychology, University of Texas at Austin
1912 Speedway, Stop D5800, Austin, TX 78712

POSITIONS AND EMPLOYMENT

Assistant Professor Department of Educational Psychology, University of Texas at Austin	2017–Present
Associate Director Center for Applied Psychometric Research , UT Austin	2017–Present
Faculty Affiliate Texas Center for Equity Promotion (TexCEP), UT Austin	2023–Present
Postdoctoral Research Scientist Department of Statistics, Columbia University	2016–2017

HIGHER EDUCATION

Ph.D., Educational Psychology Department of Educational Psychology, University of Illinois at Urbana-Champaign	2016
M.S., Statistics Department of Statistics, University of Illinois at Urbana-Champaign	2013

PUBLICATIONS

[†] Student as a leading author

Peer-Reviewed Journal Articles

- **Kang, H.-A.**, Arbet, G., Betts, J., & Muntean, W. (2023⁺). Location-matching adaptive testing for polytomous technology-enhanced items. *Applied Psychological Measurement*. Preprint doi: 10.31234/osf.io/ysjwk
- **Kang, H.-A.**, Sales, A., & Whittaker, T. (2023⁺). Flow with an intelligent tutor: A latent variable modeling approach to tracking flow during artificial tutoring. *Behavior Research Methods*. doi: 10.3758/s13428-022-02041-w
- Han, S.[†] & **Kang, H.-A.** (2023⁺). Online monitoring of test-taking behavior based on item responses and response times. *Journal of Educational Measurement*. doi: 10.1111/jedm.12367
- **Kang, H.-A.** (2023). Sequential generalized likelihood ratio tests for online item monitoring. *Psychometrika*, 88, 672–696 doi: 10.1007/s11336-022-09871-9
- Wu, S.-Y.[†], **Kang, H.-A.**, & Jensen, J. L. (2023). Construct validity and test-retest reliability of the test of advanced movement skills with a dual-outcome scoring system. *Measurement in Physical Education and Exercise Science*, 27(1), 21–31. doi: 10.1080/1091367X.2022.2043329
- **Kang, H.-A.**, Han, S., Kim, D., & Kao, S.-C. (2022). Polytomous testlet response models for technology-enhanced innovative items: Implications on model fit and trait inference. *Educational and Psychological Measurement*, 82, 811–838. doi: 10.1177/00131644211032261

- **Kang, H.-A.**, Han, S., Betts, J., & Muntean, W. (2022). Computerized adaptive testing for testlet-based innovative items. *British Journal of Mathematical and Statistical Psychology*, 75, 136–157. doi: 10.1111/bmsp.12252
- **Kang, H.-A.**, Zheng, Y., & Chang, H.-H. (2020). Online calibration of a joint model of item responses and response times in computerized adaptive testing. *Journal of Educational and Behavioral Statistics*, 45, 175–208. doi: 10.3102/1076998619879040
- Haghayegh, S.[†], **Kang, H.-A.**, Khoshnevis, S., Smolensky, M. H., Diller, K. R., & Hermida, R. C. (2020). A comprehensive guideline for Bland-Altman plot and intraclass correlation calculations to properly compare two methods and interpret findings, *Physiological Measurement*, 41(5):055012. doi: 10.1088/1361-6579/ab86d6
- Combs, T. J.[†], English, K. W.[†], Dodd, B. G., & **Kang, H.-A.** (2019). Computer adaptive test stopping rules applied to the flexilevel shoulder functioning test. *Journal of Applied Measurement*, 20, 66–78. pmid: 30789833
- Morphew, J. W., Mestre, J. P., **Kang, H.-A.**, & Chang, H.-H. (2018). Using computer adaptive testing to predict and improve exam performance in an introductory physics course. *Phys. Rev. Phys. Educ. Res.*, 14. 020110. doi: 10.1103/PhysRevPhysEducRes.14.020110
- **Kang, H.-A.**, Su, Y.-H., & Chang, H.-H. (2018). A note on monotonicity of item response function in polytomous models. *British Journal of Mathematical and Statistical Psychology*, 71(3), 523–535. doi: 10.1111/bmsp.12131
- Alegria, M., Drake, R. E., **Kang, H.-A.**, Metcalfe, J., Liu, J., DiMarzio, K., & Ali, N. (2017). Simulation test impact of education, employment, and income improvements on minority patients with mental illness. *Health Affairs*, 36(6), 1024–1031. doi: 10.1377/hlthaff.2017.0044
- **Kang, H.-A.**, Zhang, S., & Chang, H.-H. (2017). Dual-objective item selection criteria in cognitive diagnostic computerized adaptive testing. *Journal of Educational Measurement*, 54(2), 165–183. doi: 10.1111/jedm.12139
- **Kang, H.-A.** (2017). Penalized partial likelihood inference of proportional hazards latent trait models. *British Journal of Mathematical and Statistical Psychology*, 70(2), 187–208. doi: 10.1111/bmsp.12080
- **Kang, H.-A.**, Ying, L., & Chang, H.-H. (2017). IRT item parameter scaling for developing new item pools. *Applied Measurement in Education*, 30(1), 1–15. doi: 10.1080/08957347.2016.1243537
- **Kang, H.-A.** & Chang, H.-H. (2016). Parameter drift detection in multidimensional computerized adaptive testing based on informational distance/divergence measures. *Applied Psychological Measurement*, 40(7), 534–550. doi: 10.1177/0146621616663676

Book Chapters

- Liu, J. & **Kang, H.-A.** (2019). *Q*-Matrix learning via latent variable selection and identifiability. In M. von Davier and Y.-S. Lee (Eds.), *Handbook of Diagnostic Classification Models* (pp. 247–263). Springer, Cham: Switzerland AG. doi: 10.1007/978-3-030-05584-4

Conference Proceedings

- Lee, S.[†], Sales, A., **Kang, H.-A.**, & Whittaker, T. A. (2023). Fully latent principal stratification: Combining PS with model-based measurement models. In M. Wiberg, D. Molenaar, J. González, J.-S. Kim, & H. Hwang (Eds.), *Quantitative Psychology. Springer Proceedings in Mathematics & Statistics*, vol 422. Switzerland: Springer Nature. doi: 10.1007/978-3-031-27781-8_25
- Han, S.[†] & **Kang, H.-A.** (2021). Sequential monitoring of aberrant test-taking behaviors based

on response times. In Wiberg, M., Molenaar, D., Gonzalez, J., Böckenholt, U., & Kim, J.-S. (Eds.), *Quantitative Psychology. Springer Proceedings in Mathematics & Statistics*, vol 353 (pp. 69–80). Springer International Publishing: Switzerland AG. doi: 10.1007/978-3-030-74772-5_7

Preprints

- **Kang, H.-A.**, Liu, J., & Ying, Z. (2023). Markov network for modeling local item dependence in cognitively diagnostic classification models. Preprint doi: 10.48550/arXiv.1707.06318
- **Kang, H.-A.**, Zhang, S., Chen, Y., Liu, J., & Ying, Z. (2017). Multidimensional latent trait models via low-rank second-order exponential family.

Manuscripts under Review

- Lee, S.[†], Sales, A., **Kang, H.-A.**, & Whittaker, T. A. (under review). Fully latent principal stratification with measurement models. *Journal of Educational and Behavioral Statistics*.

Manuscripts in Preparation

- **Kang, H.-A.** & Moon, B. (Invited). Using multimodal interaction data in concept map scoring. To be submitted to *Journal of Educational Measurement*, Special Issue on Educational Big Data.
- Lee, S.[†], Sales, A., **Kang, H.-A.**, & Whittaker, T. A. (Internal revision). Comparison between Bayesian and maximum likelihood estimation for small-sample FLPS. To be submitted to *Structural Equation Modeling*.

Technical Reports

- **Kang, H.-A.**, & Han, S. (2020). *Computerized adaptive testing for testlet-based innovative items*. National Council of State Boards of Nursing, Chicago: IL.
- **Kang, H.-A.**, & Chang, H.-H. (2017). *Online calibration using response times in computerized adaptive testing*. Campus Research Board, University of Illinois at Urbana-Champaign.
- **Kang, H.-A.**, & Chang, H.-H. (2015). *An Informational Distance/Divergence Approach for Identifying Drift Items in Multidimensional Tests*. National Conference of Bar Examiners.
- Mestre, J. P., Anderson, C. J., Chang, H.-H., Fabry, G. L., Gladding, G. E., **Kang, H.-A.**, Morphew, J., & Ryan, K. E. (2014). *Using Computer Adaptive Testing (CAT) to Improve STEM Learning, Test Performance, and Retention: Year one report*. Research & Evaluation on Education in Science Engineering: National Science Foundation.
- Chang, H., Zheng, Y., Zheng, C., **Kang, H.-A.**, Yeh, R., & Choe, E. (2013). *Final recommendations on Illinois State Assessments* (Research Report No. 14). Champaign, IL: University of Illinois at Urbana-Champaign, Illinois Assessment Consequences Evaluation.
- Ryan, K. E., Carlson, C., Ahn, J., Wakita, S., Gandha, T., & **Kang, H.-A.** (2012). *IL assessment consequences evaluation: Year four report* (Research Report No. 13). Champaign, IL: University of Illinois at Urbana-Champaign, Illinois Assessment Consequences Evaluation.

SOFTWARE DEVELOPMENT

- Lee, S., Sales, A., **Kang, H.-A.**, & Whittaker, T. A. (2023). *flps: Fully Latent Principal Stratification*. Retrievable from CRAN
- **Kang, H.-A.** (2021). *Fixed-effect testlet response model calibration*. Retrievable from GitHub
- **Kang, H.-A.** (2020). *Response time model calibration*. Retrievable from GitHub

RESEARCH GRANTS

Extramural

- *A Multivariate Latent Markov Model for Understanding Students' Interaction Patterns in Low-Stakes Computerized Assessments: An Application to PISA* 2022–2024
American Educational Research Association / National Science Foundation \$35,000
Role: PI
- *Fully Latent Principal Stratification: A New Framework for Big, Complex Implementation Data from Education RCTs* 2021–2024
Institute of Education Sciences \$891,895
Role: Co-PI (PI: Tiffany Whittaker, UT Austin)
- *Enabling and Evaluating a General Process for Automatically Authoring Concept Mapping-Based Assessments* 2022–2023
Perigean Technologies LLC / U.S. Army Research Institute \$52,920
Role: PI
- *Time-Efficient Adaptive Testing for Testlet-Based Innovative Items* 2021–2023
National Council State Board of Nursing, Inc. \$69,463
Role: PI
- *Psychometric Properties of the Teacher-Reported Pediatric Symptom Checklist* 2022
St. Davids Center for Health Promotion and Disease Prevention Research in Underserved Populations
Role: Co-I (PI: Molly Lopez, UT Austin) \$10,500
- *Computerized Adaptive Testing for Testlet-Based Innovative Items* 2019–2020
National Council State Board of Nursing, Inc. \$56,400
Role: PI

Intramural

- *Summer Research Assignment Grant* 2018, 2024
UT Austin

Pending

- *Exploring AI Leaderboard Enabled Adaptive Gamification for User-centered Engagement (AI-LEAGUE)* (Pending)
Institute of Education Sciences \$1,699,210
Role: Co-PI (Subaward: \$420,443; PI: Fei Gao, Bowling Green State University)
- *Improving Identification of Obstructive Sleep Apnea in Women* (Pending)
National Institutes of Health \$2,141,242
Role: Co-I (Subaward: \$49,505; Co-PIs: Lizabeth Goldstein, Carolyn Gibson, University of California, San Francisco)

AWARDS AND FELLOWSHIPS

Extramural

- *Learning Analytics in STEM Education Research Scholar* 2023
LASER Institute, North Carolina State University
- *Early Career Award in Measurement, Psychometrics and Assessment* 2022
American Educational Research Association Division D

- *Outstanding Reviewer 2021* 2022
Journal of Educational and Behavioral Statistics, American Educational Research Association
- *Joe E. Covington Award for Research on Testing for Licensure* 2015
National Conference of Bar Examiners
- *International Meeting of the Psychometric Society Graduate Student Travel Award* 2015
Psychometric Society and Pearson
- *International Association for Computerized Adaptive Testing Young Researcher/Student Travel Grants*
International Association for Computerized Adaptive Testing and Pearson 2014

Intramural

- *Dean's Distinguished Faculty Fellow* 2021
College of Education, UT Austin
- *Conference Travel Awards for Graduate Students* 2015, 2016
Graduate College, UIUC
- *Maurice Tatsuoka Award* 2015
Department of Educational Psychology, UIUC
- *William Chandler Bagley Doctoral Scholarship* 2014
College of Education, UIUC
- *Educational Psychology Block Grant Fund for Travel* 2014, 2015, 2016
Department of Educational Psychology, UIUC
- *Educational Psychology Outstanding Graduate Student* 2013
Department of Educational Psychology, UIUC
- *Hardie Conference Travel Award* 2012, 2013, 2014
College of Education, UIUC

RESEARCH PRESENTATIONS

Invited Talks

- **Kang, H.-A.** (2023, July). *A latent Markov model for multivariate time-series assessment data.* Presented at the annual meeting of Joint Statistical Meeting, Toronto, Canada.
- **Kang, H.-A.** (2023, Feb). *Markov item network for cognitively diagnostic classification models.* Talk presented at the University of Texas at San Antonio, Department of Management Science and Statistics.
- **Kang, H.-A.** (2022, May). *Information-free adaptive testing strategies for technology-enhanced items.* Talk presented at the National Council of State Boards of Nursing, Inc.
- **Kang, H.-A.** (2021, Apr). *Time-efficient adaptive testing for testlet-based innovative items.* Talk presented at the National Council of State Boards of Nursing, Inc.
- **Kang, H.-A.** (2020, July). *Computerized adaptive testing for testlet-based innovative items.* Talk presented at the National Council of State Boards of Nursing, Inc.
- **Kang, H.-A.** (2014, Dec). *Using Cognitive Diagnostic Computerized Adaptive Tests to Assist Students' Learning in STEM.* Jiangxi Normal University, China.

Refereed Conference Presentations

[†] Student as a leading author

- **Kang, H.-A.** (2024, April). *Latent Markov models for multivariate time-series interaction data in computerized assessments*. Submitted to the annual meeting of the National Council on Measurement in Education.
- Lee, S., Sales, A., **Kang, H.-A.**, & Whittaker, T. A. (2024, April). *Multidimensional fully latent principal stratification*. Paper to be presented at the annual meeting of American Educational Research Association.
- **Kang, H.-A.** (2023, July). *Gaussian graphical model for evaluating local item dependency in response times*. Paper presented at the International Meeting of Psychometric Society, College Park, MD.
- Han, S.[†], & **Kang, H.-A.** (2023, July). *Classifying normal and aberrant behaviors through machine learning*. Paper presented at the International Meeting of Psychometric Society, College Park, MD.
- He, S.[†], **Kang, H.-A.**, Culpepper, S., & Douglas, J. (2023, July). *A sparse latent class model incorporating response times*. Paper presented at the International Meeting of Psychometric Society, College Park, MD.
- **Kang, H.-A.**, Liu, J. & Ying, Z. (2023, Apr). *An exploratory Markov network for modeling local item dependency in diagnostic assessments*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, IL.
- Han, S.[†] & **Kang, H.-A.** (2023, Apr). *Classifying normal and deviant test-taking status through unsupervised classifier*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, IL.
- Whittaker, T., **Kang, H.-A.**, Lee, S. & Sales, A. C. (2023, Apr). *Bayesian and maximum likelihood estimation in fully latent principal stratification*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, IL.
- Lee, S.[†], Sales, A., **Kang, H.-A.**, & Whittaker, T. (2022, July). *Fully latent principal stratification: combining PS with model-based measurement models*. Paper presented at the International Meeting of Psychometric Society, Bologna, Italy.
- Park, S. H.[†] & **Kang, H.-A.** (2022, April). *A Meta-review: The gap between simulated and real data in CDM research*. Paper presented at the annual meeting of American Educational Research Association, San Diego, CA.
- Park, S. H.[†] & **Kang, H.-A.** (2021, July). *Bridging the gap in CDM research: Meta-analysis of simulated and real data*. Paper presented at the International Meeting of Psychometric Society, Virtual.
- Han, S.[†] & **Kang, H.-A.** (2021, June). *Online detection of aberrant test-taking behaviors*. Paper presented at the virtual annual meeting of National Council on Measurement in Education.
- Park, S. H.[†] & **Kang, H.-A.** (2021, June). *Nonparametric attribute classification based on saturated cognitive diagnostic models*. Paper presented at the virtual annual meeting of National Council on Measurement in Education.
- Han, S.[†] & **Kang, H.-A.** (2020, July). *Sequential monitoring of examinee aberration based on response times*. Paper presented at the International Meeting of Psychometric Society, College Park, MD.
- **Kang, H.-A.** (2020, April). *Generalized likelihood tests for sequentially monitoring drift in*

- response and response-time model parameters.* Accepted at the annual meeting of American Educational Research Association, San Francisco, CA. (Conference canceled)
- Han, S.[†] & **Kang, H.-A.** (2020, April). *The cumulative sum procedures for evaluating differential speededness.* Accepted at the annual meeting of National Council on Measurement in Education, San Francisco, CA. (Conference canceled)
 - **Kang, H.-A.** (2019, July). *Detecting item parameter drift online using responses and response times.* Paper presented at the International Meeting of Psychometric Society, Santiago, Chile.
* Selected as a spotlight talk by the review committee
 - Park, S. H.[†] & **Kang, H.-A.** (2019, April). *Nonparametric approaches to examining DIF in cognitive diagnostic assessments.* Paper presented at the annual meeting of American Educational Research Association, Toronto, Canada.
 - Han, S.[†] & **Kang, H.-A.** (2019, April). *Testing for person misfit in lognormal response time modeling.* Poster presented at the annual meeting of American Educational Research Association, Toronto, Canada.
 - Park, S. H.[†] & **Kang, H.-A.** (2019, April). *Parametric and nonparametric DIF detection in cognitively diagnostic assessments.* Paper presented at the annual meeting of National Council on Measurement in Education, Toronto, Canada.
 - **Kang, H.-A.** (2018, July). *Two-tier latent variable modeling for cognitive diagnosis.* Paper presented at the International Meeting of Psychometric Society, New York City, NY.
 - Gonzalez, D.[†] & **Kang, H.-A.** (2018, April). *Longitudinal growth for IRT models when anchor items experience item drift.* Poster presented at the annual meeting of American Educational Research Association, New York, NY.
 - Chang, H.-H., **Kang, H.-A.**, & Zhang, S. (2017, April). *Using cognitive diagnostic computerized adaptive testing to help classroom learning.* Paper presented at the annual meeting of National Council on Measurement in Education, San Antonio, TX.
 - **Kang, H.-A.** (2016, April). *Online detection of compromised items with response times in CAT.* Paper presented at the annual meeting of National Council on Measurement in Education, Washington, DC.
 - **Kang, H.-A.**, Zheng, Y., & Chang, H.-H. (2015, Sep). *Online calibration for a joint model of responses and response times in CAT.* Paper presented at the meeting of International Association for Computerized Adaptive Testing, Cambridge, UK.
 - **Kang, H.-A.**, & Chang, H.-H. (2015, Aug). *Applications of divergence measures to detect drifted items in multidimensional computerized adaptive tests.* Paper presented at the meeting of Joint Statistical Meeting, Seattle, WA.
 - Chang, H.-H. & **Kang, H.-A.** (2015, Aug). *Making better decisions in item selection for computerized adaptive testing.* Poster presented at the meeting of Joint Statistical Meeting, Seattle, WA.
 - **Kang, H.-A.**, Zheng, Y., & Chang, H.-H. (2015, July). *Online calibration for a joint model of responses and response times in CAT.* Paper presented at the meeting of International Meeting of Psychometric Society, Beijing, China.
 - **Kang, H.-A.**, Zheng, Y., & Chang, H.-H. (2015, April). *Online calibration for a joint model of responses and response times in CAT.* Paper presented at the meeting of the National Council on Measurement in Education, Chicago, IL.
 - **Kang, H.-A.**, Zhang, S., & Chang, H.-H. (2015, April). *Jensen-Shannon information as a*

dual-objective item selection criterion in CD-CAT. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

- Mestre, J., Anderson, C., Chang, H.-H., Fabry, G., Gladding, G., **Kang, H.-A.**, Morphey, J., & Ryan, K. (2015, Feb). *Using computer-adaptive testing to improve STEM learning, test performance and retention*. The Illinois Learning Sciences Design Laboratory Lightning Symposium. University of Illinois, Champaign, IL.
- **Kang, H.-A.**, & Chang, H.-H. (2014, Oct). *Applications of divergence measures to detect drifted items in multidimensional computerized adaptive tests*. Paper presented at the meeting of the International Association for Computerized Adaptive Testing, Princeton, NJ.
- **Kang, H.-A.**, Ying, L., & Chang, H.-H. (2014, April). *Item response theory linking procedures for development of extensive item pools*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
- **Kang, H.-A.**, & Ying, L. (2014, April). *Item response theory scale linking procedures in multiple mixed-format test*. Graduate poster presented at the annual meeting of the National Council on Measurement in Education, Philadelphia, PA.
- **Kang, H.-A.** (2014, March). *Detecting and screening item parameter drift in multidimensional computerized adaptive testing*. Paper presented in the 5th Annual College of Education Graduate Student Conference, University of Illinois at Urbana-Champaign, IL.
- **Kang, H.-A.**, & Chang, H.-H. (2013, April). *Bayesian optimality item selection criterion in multidimensional computerized adaptive testing*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- **Kang, H.-A.** (2013, April). *Bayesian experimental optimality design in multidimensional computerized adaptive testing*. Paper presented in the 4th Annual College of Education Graduate Student Conference, University of Illinois at Urbana-Champaign, IL.
- **Kang, H.-A.** (2012, November). *Variable-length Multidimensional Computerized Adaptive Testing*. Presented at the QUERIES division seminar, University of Illinois at Urbana-Champaign, IL.
- **Kang, H.-A.**, & Chang, H.-H. (2012, July). *Exploring the mutual information and Bayesian D-optimality item selection methods in multidimensional adaptive testing*. International Meeting of Psychometric Society, Lincoln, NE.

TEACHING

University of Texas at Austin

- Correlation and Regression Methods 2018–Present
EDP480C-4 (Graduate)
- Psychometric Theory and Methods 2018–Present
EDP380D-4 (Graduate)
- Analysis of Categorical Data 2018
EDP380C-22 (Graduate)
- Advanced Item Response Theory 2017
EDP381E (Graduate)

University of Illinois at Urbana-Champaign

- Teaching Assistant: Categorical Data in Education and Psychology 2015
EPSY589 (Graduate)

- Teaching Assistant: Statistical Inference in Education
EPSY580 (Graduate) 2014
- Graduate Instructor: Educational Statistics
EPSY480 (Graduate online) 2012, 2013
- Teaching Assistant: Elements of Statistics
EPSY280 (Undergraduate) 2011, 2012

MENTORSHIP

Post-Doctoral Advisee

- Jose Palma (2021–2023, Faculty at Texas A&M)

Doctoral Advisee

- Suhwa Han (2018–Present), Greg Arbet (2021–Present), SookHyun Park (2018–2022)

Dissertation Committee Member

- Quantitative Methods program at UT Austin: Daniel Gonzalez (2022), Sangdon Lim (2023), Anna Talley (2020)
- Other areas at UT Austin: Peixia Shao (2024; Curriculum & Instruction); Yeji Kim (2023; Special Education), Briana Brukilacchio (2022; Educational Psychology), Sz-Yan Wu (2021; Kinesiology & Health Education)

ADMINISTRATIVE SERVICES

Departmental Service

Quantitative Methods Faculty Search Committee Chair	2023–2024
Graduate Student Research Award Committee	2022–2023
Dissertation Award Committee Chair	2022–2023
Dissertation Award Committee	2020–2022
Graduate Studies Committee	2017–present

College Service

Faculty and Staff Awards Committee: Equity and Common Service	2022–2023
Early Career Fellow Mentorship	2021–2023

PROFESSIONAL SERVICES

Journal Editorial Board

Journal of Educational and Behavioral Statistics	2021–Present
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Journal Reviewer

Psychometrika	2019–Present
British Journal of Mathematical and Statistical Psychology	2017–Present
Journal of Educational and Behavioral Statistics	2020–Present
Applied Psychological Measurement	2012–Present
Behavior Research Methods	2021–Present
Multivariate Behavioral Research	2020–Present

Journal of Classification	2023
Communications in Statistics: Simulation and Computation	2023
Sage Open (Article Editor)	2019
PLOS ONE	2019
Statistica Sinica	2016

Research Grant Review Panel

Institute of Education Sciences	2019–2026
National Science Foundation	2023

Book Chapter Reviewer

The 7th Workshop on Biostatistics & Bioinformatics	2020
Handbook of Diagnostic Classification Models	2018

Conference Proceedings Reviewer

The Annual Meetings of National Council on Measurement in Education
The Annual College of Education Graduate Student Conference (UIUC)
AERA Division D Graduate Student In-Progress Research Gala
The International Meeting of the Psychometric Society

Conference Meeting Service

Program Committee, International Meeting of Psychometric Society	2023
Symposium Organizer, International Meeting of Psychometric Society	2023
<i>Response time modeling: Inference, evaluation, and new modeling approaches</i>	

PROFESSIONAL AFFILIATIONS

American Education Research Association	2013–Present
National Council on Measurement in Education	2013–Present
Psychometric Society	2012–Present
American Statistical Association	2023, 2015