Lijin Zhang

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Psychometrics, Quantitative Psychology, Bayesian Analysis

EDUCATION

Stanford University
- Ph.D. Candidate in Developmental and Psychological Sciences · · · · · 2022 - present
- Ph.D. Scholar in Data Science (fellowship program) · · · · · 2024 - present
- M.S. in Statistics · · · · · 2022 - 2025

Sun Yat-sen University
- M.S. in Psychology · · · · · 2019 - 2022
- B.S. in Psychology · · · · · 2015 - 2019

AWARDS, HONORS, & FELLOWSHIPS

Vector Travel Award, International Meeting of Psychometric Society	2025
Travel Grant, National Council on Measurement in Education	2025
Data Science Fellowship (∼$100,000, 15 recipients across the campus), Stanford University	2024 - 2026
Collaborative Learning Fund Award, Stanford Graduate School of Education	2024 - 2025
Travel Fellowship, Stanford Graduate School of Education	2023 - 2024
EDGE Fellowship ($12,800), Stanford University	2022 - 2027
Outstanding Graduates, Sun Yat-sen University	2022
National Scholarship, Minister of Education of China	2020
Outstanding Paper Award, Chinese Psychological Society	2019
Outstanding Undergraduate Thesis, Sun Yat-sen University	2019
Outstanding Presenter, Undergraduate Psychology Forum at Peking University	2018
First Prize Scholarship of Outstanding Students, Sun Yat-sen University	2017 - 2021

PUBLICATIONS

Journal Articles († indicates alphabetical order or reverse, * indicates correspondent author, IF represents the Impact Factor for the publication year or the year before.)

1. **Zhang, L.**, Domingue, B.W., Vogelsmeier, L.V.D.E., & Ulitzsch, E. (2025). A Beta Mixture Model for Careless Respondent Detection in Visual Analogue Scale Data. *Psychometrika.* Advance Online Publication. [doi] [IF: 2.9; Q1]

2. Domingue, B.W., Braginsky, M., Caffrey-Maffei, L., Gilbert, J.B., Kanopka, K., Kapoor, R., Lee, H., Liu, Y., Nadela, S., Pan, G., **Zhang, L.**, Zhang, S., & Frank, M. (2025). An introduction to the Item Response Warehouse (IRW): A resource for enhancing data usage in psychometrics. *Behavior Research Methods.* Advance Online Publication. [doi] [IF: 7.2; Q1]

3. **Zhang, L.**, Ulitzsch, E., & Domingue, B.W. (2025). Bayesian Factor Mixture Modeling with Response Time for Detecting Careless Respondents. *Behavior Research Methods.* Advance Online Publication. [doi] [IF: 7.2; Q1]

4. Shen, H., Stafford, C., Meijsen, J., **Zhang, L.**, Reiter, J., Lawn, R.B., Smith, A.K., Vermuri, M., & Duncan, L.E. (2025). Associations between testosterone and future PTSD symptoms among middle age and older UK residents. *Translational Psychiatry, 15:* 268. [doi] [IF: 5.8; Q1]

5. Wang, E. Y., Castro, S., **Zhang, L.**, Suen, M. Y., Parris, M., Marks, A., Weser, V., Longhini, A. B., Strupp, K. M., Hernandez, M. R., Libaw, J. S., Kupiec-Weglinski, S., Lockhart, T. J., Olbrecht, V. A., Lau, L. L.-N., CHARM Consortium, & Caruso, T. J. (2025). Augmented Reality Medical Simulation: A Multi-Site Study of Factors that Influence Acceptance. *Pediatric Anesthesia.* Advance Online Publication. [doi]

6. **Zhang, L.**, Qu, W., & Zhang, Z. (2025). Bayesian Growth Curve Modeling with Measurement Error in Time. *Multivariate Behavioral Research.* Advance Online Publication. [doi] [IF: 5.3; Q1]

7. Domingue, B.W., Kanopka, K.[†], Ulitzsch, E.[†], & **Zhang, L.**[†] (2025). Implied probabilities of polytomous response functions for model-based prediction and comparison. *Behaviormetrika.* Advance Online Publication. [doi] [IF: 1.6; Q2]

8. Gilbert, J.B., **Zhang, L.**, Ulitzsch, E., Domingue, B.W. (2025). Polytomous Explanatory Item Response Models for Item Discrimination: Assessing Negative-Framing Effects in Social-Emotional Learning Surveys. *Behavior Research Methods.* Advance Online Publication. [doi] [IF: 7.2; Q1]

9. Chen, Q., Su, K., Feng, Y., **Zhang, L.**, Ding, R., & Pan, J. (2024). A Tutorial on Bayesian Structural Equation Modeling: Principles and Applications. *International Journal of Psychology, 59*(6), 1326-1346. [doi] [IF: 3.3; Q1]

10. **Zhang, L.**, & Liang, X. (2024). Bayesian Regularization in Multiple-Indicators Multiple-Causes Models. *Psychological Methods, 29*(4), 679–703. [doi] [IF: 11.5; Q1]

11. Wang, E., Kennedy, K.M., **Zhang, L.**, Zuniga-Hernandez, M., Titzler, J., Li, B. S-K., Arshad, F., Khoury, M., & Caruso, T.J. (2024). A Technology Acceptance Model to Predict Anesthesiologists' Clinical Adoption of Virtual Reality. *Journal of Clinical Anesthesia, 98*, 111595. [doi] [IF: 5.0; Q1]

12. Wang, E., Qian, D., **Zhang, L.**, Li, B. S-K, Ko, B., Khoury, M., Renavikar, M., Ganesan, A., & Caruso, T.J. (2024). Acceptance of Virtual Reality in Trainees Using a Technology Acceptance Model. *JMIR Medical Education, 10*, e60767. [doi] [IF: 3.2; Q1]

13. He, E., Arshad, F., Li, B.S., Brinda, R., Ganesan, A., **Zhang, L.**, Fehr, S., Renavikar, M., Rodriguez, S.T., Wang, E., Rosales, O., & Caruso, T.J. (2024). Awe Inducing Elements in Virtual Reality Applications: A Prospective Study of Hospitalized Children and Caregivers. *Games for Health Journal, 14*(2): 159-166. [doi] [IF: 2.2; Q1]

14. Ahmed, I., Bertling, M., **Zhang, L.**, Ho, A., Loyalka, P., Xue, H., Rozelle, S., & Domingue, B.W. (2024). Heterogeneity of item-treatment interactions masks complexity and generalizability in randomized controlled trials. *Journal of Research on Educational Effectiveness, 37*(3): 240-257. [doi] [IF: 2.4; Q2]

15. **Zhang, L.**, Li, X., & Zhang, Z. (2023). Variety and Mainstays of the R Developer Community. *R Journal, 15*(3), 5-25. [doi] [IF: 5.2; Q1]

16. Gu, X., Zhu, X., **Zhang, L.**, & Pan, J.* (2023). Testing Informative Hypotheses in Factor Analysis Models using Bayes Factors. *Psychological Methods.* Advance Online Publication. [doi] [IF: 11.5; Q1]

17. Wang, E. Y., Kennedy, K. M., **Zhang, L.**, Qian, D., Forbes, T., Zuniga-Hernandez, M., Li, B. S-K., Domingue, B.W., & Caruso, T.J. (2023). Predicting pediatric healthcare provider use of virtual reality using a technology acceptance model. *JAMIA Open, 6*(3), ooad076. [doi] [IF: 2.5; Q2]

18. Zheng, S., **Zhang, L.**, Jiang, Z., & Pan, J. (2023). The Influence of Using Inaccurate Priors on Bayesian Multilevel Estimation. *Structural Equation Modeling, 30* (3), 429-448. [doi] [IF: 6.0; Q1]

19. Wei, X.[†], Huang, J.[†], **Zhang, L.**, Pan, D., & Pan, J. (2022). Evaluation and Comparison among SEM, ESEM and BSEM in Estimating Structural Models with Potentially Unknown Cross-loadings. *Structural Equation Modeling, 29* (3), 327-338. [doi] [IF: 6.0; Q1]

20. **Zhang, L.**, Pan, J., & Ip, E.H. (2021). Criteria for Parameter Identification in Bayesian Lasso Methods for Covariance Analysis: Comparing Rules for Thresholding, *p*-value, and Credible Interval. *Structural Equation Modeling, 28* (6), 941-950. [doi] [IF: 6.181; Q1]

21. Zeng, G., **Zhang, L.**, Fung, S., Li, J., Liu, Y-M., Xiong, K-Z., Jiang, Z-Q., Zhu, F-F., Chen, Z-T., Luo, S-D., Yu, P., & Huang, Q. (2021). Problematic Internet Usage and Self-Esteem in Chinese Undergraduate Students: The Mediation Effects of Individual Affect and Relationship Satisfaction. *International Journal of Environmental Research and Public Health, 18* (13), 6949. [doi] [IF: 4.6; Q1]

22. Chen, J.*, Guo, Z., **Zhang, L.**, & Pan, J.* (2021). A Partially Confirmatory Approach to Scale Development with the Bayesian Lasso. *Psychological Methods, 26* (2), 210-235. [doi] [IF: 10.9; Q1]

23. **Zhang, L.**, Pan, J., Dubé, L., & Ip, E.H. (2021). blcfa: An R Package for Bayesian Model Modification in Confirmatory Factor Analysis. *Structural Equation Modeling, 28* (4), 649-658. [doi] [IF: 6.181; Q1]

24. Zheng, S., **Zhang, L.**, Qiao, X., & Pan, J.* (2021). Intensive Longitudinal Data Analysis: Models and Application. *Advances in Psychological Science*, *29* (11), 1948-1969. [doi] [IF: 1.62]

25. Zhang, X., **Zhang, L.**, Ding, Y., Qu, Z.* (2021). Behavioral Oscillations in Attention. *Advances in Psychological Science*, *29* (3): 461-471. [doi] [IF: 1.62]

26. **Zhang, L.**, Wei, X., Lu, J., & Pan, J.* (2020). Lasso Regression: From Explanation to Prediction. *Advances in Psychological Science*, *28* (10), 1777-1788. [doi] [IF: 1.62]

27. Feng, Q.[†], Song, Q.[†], **Zhang, L.**[†], Zheng, S., & Pan, J.* (2020). Integration of Moderation and Mediation in a Latent Variable Framework: A Comparison of Estimation Approaches for the Second-stage Moderated Mediation Model. *Frontiers in Psychology, 11*, 2167. [doi] [IF: 2.4; Q2]

28. Liu, S., Huang, Z., **Zhang, L.**, Pan, J., Lei, Q., Meng, Y., & Li, Z.* (2020). Plasma Neurofilament Light Chain may be a Biomarker for the Inverse Association between Cancers and Neurodegenerative Diseases. *Frontiers in Aging Neuroscience, 12* (10), 1-8. [doi] [IF: 5.8; Q2]

29. **Zhang, L.**, Lu, J., Wei, X., & Pan, J.* (2019). Bayesian Structural Equation Modeling and Its Current Research. *Advances in Psychological Science*, *27* (11), 1812-1825. [doi] [IF: 1.62]

Manuscripts

30. **Zhang, L.**, Rahal, C., Kanopka, K., Ulitzsch, E., Zhang, Z., & Domingue, B.W. (R&R). Evaluating Model Predictive Performance in Confirmatory Factor Analysis with Binary Outcomes Using the InterModel Vigorish. [preprint]

31. **Zhang, L.**, Liu, Y., Molenaar, D., Gilbert, J.B., Kanopka, K., & Domingue, B.W. (under review). Realistic Simulation of Item Difficulties. [preprint]

32. Wang, S., Deng, Y., **Zhang, L.**, Zheng, S., & Pan, J. (under review). Regularized Structural Equation Modeling: A Balance between Exploratory and Confirmatory Analysis.

33. Cao, C., Liang, X., **Zhang, L.**, & Lu, M. (under revision). The Performance of Bayesian Fit Measures in Approximate Measurement Invariance Testing in Cross-Cultural Research.

34. Kachergis, G.[†], O'Reilly, F.[†], Braginsky, M., Xiao, X., Lightbody, A., Adams Shannon, K., Watson, Z., **Zhang, L.**, Zhu, R., Abutto, A., Ma, A. W., Long, B., Murray, T., Yeatman, J., Sulik, M., Obradović, J., Jenkins, N., Ansari, D., Perfetti, M. C., Mariño, J., Hornoff, L., Bohn, M., Haun, D., Ram, N., Domingue, B. W., & Frank, M. C. (under review). Creation and validation of the LEVANTE core tasks: Internationalized measures of learning and development for children ages 5–12 years. [preprint]

35. Hardy, M., Truong, S, Reuel, A., **Zhang, L.,** Casabianca, J.M., Dave, Y.S. Lee, H., Domingue, B.W., Koyejo, S. (submitted). AI Benchmark Cartography: Mapping the Latent Landscape Described by LLM Evaluations.

36. Xiao, X., **Zhang, L.,** Rabe-Hesketh, S. (manuscript drafted). Plug-in-Free Model Comparison: A Variance-Based Deviance Information Criterion for Bayesian Latent Variable Models.

37. Ulitzsch, E., Vollbracht, D., **Zhang, L.,** Domingue, B.W., Haslbeck, J., Lischetzke, T., Vogelsmeier, L.V.D.E. (manuscript drafted). Comparing Careless Responding in Likert and Visual Analogue Scales in Ecological Momentary Assessment

38. Borchers, C., **Zhang, L.,** Yang, K., Domingue, B.W. (submitted). Understanding Student Effort Using Reaction Time Propensities During Problem Solving at Scale.

Invited Talk

39. **Zhang, L.,** Rahal, C., Kanopka, K., Ulitzsch, E., Zhang, Z., & Domingue, B.W. (2026). *Evaluating Model Predictive Performance in Confirmatory Factor Analysis with Binary Outcomes Using the InterModel Vigorish.* Harvard University, 30 Jan, Virtual.

40. **Zhang, L.,** Ulitzsch, E., & Domingue, B.W. (2024). *Mixture Modeling for Identifying Careless Responding.* The Norwegian Psychometrics Gathering, 19-20 Sep, Stavanger, Norway. [slides]

41. **Zhang, L.,** Qu, W., & Zhang, Z. (2023). *Bayesian Growth Curve Modeling with Measurement Error in Time.* University of Notre Dame, 31 Aug, South Bend, USA. [slides]

42. **Zhang, L.,** & Pan, J.* (2022). *Latent Multiple Mediation Analysis with the Bayesian Lasso.* The 15th Chinese R Conference, 25 Nov, Virtual. [slides]

43. **Zhang, L.,** Pan, J., & Ip, E.H., (2022). *Bayesian Lasso Confirmatory Factor Analysis*. Utrecht University, 23 May, Virtual. [slides]

44. **Zhang, L.,** Lu, J., Wei, X., & Pan, J.* (2019). *Bayesian Structural Equation Modeling and Its Current Research.* The 12th Chinese R Conference, 24-26 May, Beijing. [slides]

Contributed Conference Presentations (underline: presenter)

45. <u>**Zhang, L.,**</u> Domingue, B.W., Vogelsmeier, L.V.D.E., & Ulitzsch, E. (2025). *A Beta Mixture Model for Careless Respondent Detection in Visual Analogue Scale Data.* International Meeting of Psychometric Society, 15-18 July, Minnesota, USA.

46. <u>**Zhang, L.,**</u> Liu, Y., & Domingue, B.W. (2025). *Realistic Simulation of Item Difficulties.* National Council on Measurement in Education Annual Meeting, 23-26 April, Denver, USA.

47. <u>**Zhang, L.,**</u> Ulitzsch, E., & Domingue, B.W. (2024). *Bayesian Factor Mixture Modeling with Response Time for Detecting Careless Respondents.* International Meeting of Psychometric Society, 16-19 July, Prague, Czech.

48. <u>Domingue, B.W.,</u> Braginsky, M., Caffrey-Maffei, L., Gilbert, J.B., Kanopka, K., Kapoor, R., Liu, Y., Nadela, S., Pan, G., **Zhang, L.,** Zhang, S., & Frank, M. (2024). *The Item Response Warehouse.* International Meeting of Psychometric Society, 16-19 July, Prague, Czech.

49. <u>Cao, C.,</u> Liang, X., **Zhang, L.,** & Lu, M. (2024). *The Performance of Bayesian Fit Measures in Approximate Measurement Invariance Testing in Cross-Cultural Research.* International Meeting of Psychometric Society, 16-19 July, Prague, Czech.

50. **Zhang, L.**, Qu, W., & Zhang, Z. (2024). *Bayesian Growth Curve Modeling with Measurement Error in Time.* Annual Meeting of the International Society for Data Science and Analytics, 21-24 July, Vienna, Austria.

51. **Zhang, L.**, Kanopka, K., Rahal, C., Ulitzsch, E., Zhang, Z., & Domingue, B.W. (2024). *The InterModel Vigorish for Model Comparison in Confirmatory Factor Analysis with Binary Outcomes.* Stanford Data Science Conference, 7 May, California, USA.

52. Domingue, B.W., Kanopka, K., Ulitzsch, E., & **Zhang, L.** (2024). *Implied Probabilities of Polytomous Response Functions for Model-Based Prediction and Comparison.* National Council on Measurement in Education Annual Meeting, 11-14 April, Philadelphia, USA.

53. **Zhang, L.**, & Domingue, B.W. (2023). *The InterModel Vigorish for Model Comparison in Confirmatory Factor Analysis with Binary Outcomes.* International Meeting of Psychometric Society, 25-28 July, Maryland, USA. [slides]

54. **Zhang, L.**, Liang, X., & Pan, J. (2023). *Comparison between Bayesian and Frequentist Regularization in Factor Analysis.* International Meeting of Psychometric Society, 25-28 July, Maryland, USA. [slides]

55. **Zhang, L.**, & Domingue, B.W. (2023). *The InterModel Vigorish for Model Comparison in Confirmatory Factor Analysis with Binary Outcomes.* Annual Meeting of the International Society for Data Science and Analytics, 4-6 July, Shanghai. [slides]

56. **Zhang, L.**, & Liang, X.* (2023). *Bayesian Regularization in Multiple Indicators Multiple Causes Models.* National Council on Measurement in Education Annual Meeting, 12-15 April, Chicago, USA.

57. Ip, E.H., Sandberg, J., **Zhang, L.**, & Pan, J. (2022). *Matched-pair Binary Item Response Analysis Using Bayesian Adaptive Lasso Factor Model.* International Meeting of Psychometric Society, 11-15 July, Bologna, Italy.

58. **Zhang, L.**, & Pan, J. (2021). *How to Select Prior Variance in Bayesian Approximate Measurement Invariance?* The 6th Eastern Chapter of International Society for Bayesian Analysis Conference, 17 November, Virtual.

59. **Zhang, L.**, & Liang, X. (2021). *Bayesian Regularization in Multiple Indicators Multiple Causes Models.* International Meeting of Psychometric Society, 19-23 July, Virtual. [slides]

60. **Zhang, L.**, Pan, J., & Ip, E.H. (2021). *Comparison between Different Parameter Identification Criteria using the Bayesian Lasso.* International Meeting of Psychometric Society, 19-23 July, Virtual. [slides]

61. Pan. J, **Zhang, L.**, & Ip, E.H.* (2021). *Bayesian Covariance Adaptive Lasso Factor Analysis Models with Ordinal Data.* International Meeting of Psychometric Society, 19-23 July, Virtual.

62. **Zhang, L.**, Pan, J., & Ip, E.H. (2020). *blcfa: An R package for Bayesian Model Modification in Confirmatory Factor Analysis.* International Meeting of Psychometric Society, 14-17 July, Virtual. [slides]

63. **Zhang, L.**, Lu, J., Zhang, Y., & Pan, J. (2019). *The Influence of Social Support on Career Decision-Making Difficulty: Bayesian Modeling Based on Longitudinal Data.* The 22nd National Academic Conference of Psychology, 18-20 Oct, Hangzhou. [poster]

64. Pan, J., **Zhang, L.**, & Ip, E.H. (2018). *Bayesian Lasso Factor Analysis Models with Ordered Categorical Data.* The 13th Cross-Straits Conference on Educational and Psychological Testing, 22-25 Oct, Taiwan.

65. Pan, J., **Zhang, L.**, Ip, E.H. (2017). *Bayesian Lasso Factor Analysis Models with Ordered Categorical Data.* The 20th Chinese Academic Conference of Psychology, 3-5 November, Chongqing.

Book Chapter

66. Pan, J., & **Zhang, L.** (2023). Bayesian Structural Equation Modeling. In *Handbook of Quantitative Methods in Psychological and Behavioral Research.* Wan Juan Methods Series. Beijing Normal University Press.

Software Development

67. **Zhang, L.** (2025). *imv4sem: InterModel Vigorish for Model Comparison in SEM.* Retrievable from https://github.com/zhanglj37/imv4sem.

68. **Zhang, L.**, Pan, J., & Ip, E.H. (2020). *blcfa: An R Package for Bayesian Model Modification in Confirmatory Factor Analysis.* Retrievable from https://github.com/zhanglj37/blcfa.

RESEARCH EXPERIENCES IN PSYCHOMETRICS

Note. [x] refers to the papers in the publication list.

Domingue Lab, Stanford University   *PhD Student*, 2022 - present
Advisor: Prof. Ben Domingue
Research Topics: Model Selection [30], Process Data Analysis [3]
                    Item Response Models [1,2,7,8,14,31]

Centre for Educational Measurement, University of Oslo   *Visiting Student*, Summer, 2024
Advisor: Prof. Esther Ulitzsch
Research Topics: Mixture Modeling [1,3,37]

Lab for Big Data Methodology, University of Notre Dame   *Visiting Student*, Summer, 2021 & 2023
Advisor: Prof. Zhiyong Johnny Zhang
Research Topics: Text Mining & Network Analysis [15], Longitudinal Data Analysis [6]

Liang Lab, University of Arkansas   *Visiting Student (Remote)*, Summer, 2020
Advisor: Prof. Xinya Liang
Research Topics: Bayesian Regularization, Structural Equation Modeling [10,33]

Psychological Statistics and Modeling Lab, Sun Yat-sen University   *Graduate Student*, 2019 - 2022
Advisor: Prof. Junhao Pan
Research Topics: Bayesian Lasso Confirmatory Factor Analysis [16,20,23,22]
                    Mediation and Moderation Analysis [27], Longitudinal Data Analysis [24]

RESEARCH COLLABORATION ON SUBSTANTIVE TOPICS

Data Analysis Collaborations with Research Labs in Psychology, Education, and Medicine
· SEM project for AI Benchmark, Stanford Computer Science [35]   2025 - present
· Factor analysis project in Anesthesiology, Stanford Medicine   2025 - present
· LEVANTE Project, Language & Cognition Lab, Stanford University [34]   2024 - present
· Chariot Program, Lucile Packard Children's Hospital, Stanford University [5,11,12,13,17]   2022 - 2025
· ROAR Project, Brain Development & Education Lab, Stanford University   2024
· PTSD Project, Department of Psychiatry and Behavioral Sciences, Stanford University [4]   2024
· Ni Lab, Center for Social Work and Mental Health Research, Tsinghua University   2020
· Pang Lab, School of International Relations, Sun Yat-sen University   2019 - 2020

TEACHING EXPERIENCES

· TA, EDUC 252: Introduction to Psychometrics, Stanford University   2026
· TA, EDUC 400A: Introduction to Statistical Methods in Education, Stanford University   2024
· Instructor, Online Workshop on Bayesian Structural Equation Modeling   2023 - 2025

· Instructor, Online Workshop on Structural Equation Modeling with Mplus	2023 - 2025
· Creator, Github Repo for Tutorial on PhD Application [1,000+ stars]	2023
· TA, Workshop on Experience Sampling Method	2022
· TA, Advanced Structural Equation Modeling, Sun Yat-sen University	2021
· TA, Structural Equation Modeling, Sun Yat-sen University	2020
· TA, Psychological Statistics, Sun Yat-sen University	2020

MENTORSHIPS

· Sreejith Mohan, Shuman Wang, Tianze Shao; Graduate Student, Stanford University *GSE Mentorship Program*	2024 - 2025
· Divya Vetticaden; Undergraduate, Stanford University *Mentored on DS 120 project: Predictors of Academic Turnarounds in Early Childhood*	2025
· Shufang Zheng; Graduate Student, Sun Yat-sen University *Mentored on Bayesian multilevel modeling project published in SEM Journal*	2022

AD HOC REVIEWER

- · Structural Equation Modeling
- · Journal of Behavioral Data Science
- · Science Progress
- · British Journal of Mathematical and Statistical Psychology
- · BMC Medical Research Methodology
- · BMC Psychology
- · AERA Conference
- · R Journal
- · Frontiers in Psychology
- · Scientific Reports
- · Stanford Data Science Conference
- · Multivariate Behavioral Research
- · Behavior Research Methods
- · Computer Applications in Engineering Education
- · International Journal of Human-Computer Interaction
- · Psychological Methods

MEMBERSHIPS

- · National Council on Measurement in Education
- · Graduate Student Committee, Psychometric Society. Assisted in organizing the IMPS Datathon.