

Yaosheng LOU

1400 Washington Avenue, Albany, NY, 12222
(518) 488-7062, ylou@albany.edu
yaoshenglou.github.io

EDUCATION

- Expected, July 2026* Ph.D., Educational Psychology and Methodology
University at Albany, State University of New York (SUNY)
Dissertation: *Exploring Large Language Models for Single Case Design Meta-analysis: Applications, Challenges, and Future Directions*
Committee: Mariola Moeyaert (Chair), Benjamin G Solomon, Xin Li
- 2021 M.S., Educational Psychology and Methodology
University at Albany, SUNY
- 2020 Dual B.S. Degrees, Psychology
Emporia State University
Liaoning Normal University, China
Minor 1: Computer Science
Minor 2: Rehabilitation & Disability Studies

PUBLICATIONS

- Xue, Y., **Lou, Y.**, & Colvin, K. F. (In Preparation). Predicting Student Retention Using Mixed-Effects Machine Learning.
- Moeyaert, M., & **Lou, Y.** (Under Review). Moderator Analysis for Single-Case Experimental Design Meta-Analysis. *Journal of Behavioral and Cognitive Therapy*
- Lou, Y.**, Moeyaert, M., Wesling, P., Solomon, B. G., & Li, X. (Under Review). Usage of Large Language Models for Graphical Data Extraction in Single-Case Research. *Behavior Research Methods*
- Lou, Y.**, Moeyaert, M., & Wesling, P. (Revise and Resubmit). Human Coders or Large Language Models? An Empirical Validation of Textual Data Extraction in Single-Case Research. *Research Synthesis Methods*
- Liu, J., **Lou, Y.**, Moeyaert, M., Miočević, M., Ferron, J., & Valente, M. (Revise and Resubmit). Empirical Mediation Model Effect Sizes from SCEDs in Educational Interventions. *Behavior Modification*
- Moeyaert, M., Miočević, M., **Lou, Y.**, & Valente, M. (2026). Synthesis of Single-Case Design Mediation Effects using Two-Stage Multilevel Modeling. *Behavior Research Methods*
- Moeyaert, M., **Lou, Y.**, Fingerhut, J., Yang, P., Miočević, M., & Valente, M. (2025). Systematic Review of Single-Case Designs to Identify Potential Mediator Characteristics. *The Journal of Behavioral Education*, 1-25. <https://doi.org/10.1007/s10864-025-09600-z>
- Lou, Y.**, & Colvin, K. F. (2025). Performance prediction using educational data mining techniques: a comparative study. *Discover Education*, 4(1), 112. <https://doi.org/10.1007/s44217-025-00502-w>

- Moeyaert, M., Yang, P., Xue, Y., & **Lou, Y.** (2024). Imbalances in Two-Level Hierarchical Linear Modeling of Single-Case Data: A Monte Carlo Simulation Study. *The Journal of Experimental Education*, 1-21. <https://doi.org/10.1080/00220973.2024.2394951>
- Lou, Y.** & Sun, Q (2021). Over-reliance on Database: A case study of Web of Science. *Human Behavior and Emerging Technologies*, 3(3), 454-459. <https://doi.org/10.1002/hbe2.266>
- Yan, Z., Xue, Y., & **Lou, Y.** (2021). Risk and protective factors for intuitive and rational judgment of cybersecurity risks in a large sample of K-12 students and teachers. *Computers in Human Behavior*, 121, 106791. <https://doi.org/10.1016/j.chb.2021.106791>
- Yan, Z., Robertson, W., **Lou, Y.**, Robertson, T. W., & Park, S. Y. (2021). Finding leading scholars in mobile phone behavior: a mixed-method analysis of an emerging interdisciplinary field. *Scientometrics*, 1-19. <https://doi.org/10.1007/s11192-021-04184-7>
- Yan, Z., Yang, P., Xue, Y., **Lou, Y.**, & Melissa, N. (2021). Validity and Reliability of Cybersecurity Judgment Questionnaire for Middle and High School Students: A Validation Study with Rasch Analysis. *Human Behavior and Emerging Technologies*, 3(5), 776-787. <https://doi.org/10.1002/hbe2.312>

CONFERENCE PAPERS AND PRESENTATIONS

- Lou, Y.**, Moeyaert, M., Wesling, P., Solomon, B., & Li, X. (April, 2026). *Exploring Large Language Models for Graphical Data Extraction in Single Case Design Meta-analysis*. [Paper Presentation]. Annual Meeting of the American Education Research Association, Los Angeles, CA, United States.
- Lou, Y.**, Moeyaert, M., Miočević, M., & Valente, M. (April, 2026). Synthesis of Single-Case Design Mediation Effects using Two-Stage Multilevel Modeling. [Roundtable Presentation]. Annual Meeting of the American Education Research Association, Los Angeles, CA, United States.
- Lou, Y.**, Moeyaert, M., Wesling, P., Solomon, B., & Li, X. (October, 2025). *Usage of Generative Artificial Intelligence for Data Extraction in Single Case Design Meta-analysis*. [Paper Presentation]. Artificial Intelligence in Measurement and Education Conference, Pittsburgh, PA, United States.
- Lou, Y.** (June, 2025). *Single-Case Experimental Design: Current literature and future directions*. [Paper Presentation]. International Conference for Early Career Scholars in Psychology, Dalian, Liaoning, China
- Lou, Y.**, Moeyaert, M., Fingerhut, J., Yan, P., Miocevic, M., Valente, M., &. (April, 2025). Systematic review of single-case designs to identify mediator characteristics [Poster Session]. Annual Meeting of the American Education Research Association, Denver, CO, United States.
- Colvin, K. F., Park, S., **Lou, Y.**, Schlomer, G., & Park, Y. (April, 2025). *Using AI tools to support scale development*. [Paper presentation]. Annual Meeting of the National Council on Measurement in Education, Denver, CO, United States.
- Lou, Y.**, Moeyaert, M., Yang, P., Xue, Y., (April, 2024). *Empirical Investigation of the Impact of Imbalanced Moderators in Single-Case Multilevel Analysis: A Monte Carlo Simulation Study*. [Poster presentation]. Annual Meeting of American Educational Research Association, Philadelphia, PA, United States.

Lou, Y. (2019). *Color Versus Black/White and College Students' Preference of Picture*. [Poster presentation]. 39th Annual Great Plains Students' Psychology Convention, Springfield, MO, United States.

RESEARCH EXPERIENCE

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| 2020-
Present | Research Assistant , Educational Psychology and Methodology, University at Albany, SUNY |
| 2024-
2025 | Psychometrician Intern , Office of State Assessment, New York State Education Department
Coordinated program implementation, analyzed data, and translated findings into actionable insights. |
| 2023 | Research Associate , Institutional Research Department, Schenectady County Community College, SUNY
Developed models to predict students' likelihood of retention and interpreted outcomes to inform policy decisions. |

TEACHING EXPERIENCE

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| Fa 2023-
Fa 2024 | Instructor , Educational Psychology and Methodology, University at Albany, SUNY
<i>Statistics Human Development</i> , undergraduate level, 2 sections
<i>Understanding Research in Human Development</i> , undergraduate level, 1 section |
| Fa 2022-
Fa 2025 | Guest Lecturer , Educational Psychology and Methodology, University at Albany, SUNY
<i>Systematic Review and Meta-Analysis</i> , graduate level, 1 section
<i>Statistical Methods I</i> , graduate level, 3 sections
<i>Regression</i> , graduate level, 2 sections |
| Fa 2022-
Present | Teaching Assistant , Educational Psychology and Methodology, University at Albany, SUNY
Served as a grader, duties included grading assignments, maintaining office hours and holding review sessions.
<i>Introduction to Education Psychology</i> , undergraduate level, 1 section
<i>Statistical Methods I</i> , graduate level, 1 section
<i>Statistical Methods II</i> , graduate level, 1 section
<i>Regression</i> , graduate level, 2 sections
<i>Multivariate Methods for Research</i> , graduate level, 1 section
<i>Systematic Review and Meta-Analysis</i> , graduate level, 1 section |

GRANTS & AWARDS

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| 2026 | Dean's Excellence Award in Research, School of Education, University at Albany, SUNY |
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2026	American Educational Research Association Travel Award
2025	National Council on Measurement in Education Travel Grant
2025	Jean Edgecumbe Groff '38 Graduate Scholarship, University at Albany, SUNY
2024	Joshua S. Smith & Yun dih Chia-Smith Professional Development Travel Award, University at Albany, SUNY
2023	Alice Clark Long Scholarship, University at Albany, SUNY
2021	Van Slyke Scholarship, University at Albany, SUNY

PROFESSIONAL AND UNIVERSITY SERVICE

2021- Present	Ad-Hoc Reviewer <i>Human Behavior and Emerging Technologies</i> , 3 manuscripts <i>The Journal of Experimental Education</i> , 1 manuscript <i>Computers in Human Behavior</i> , 2 manuscripts <i>Frontiers in Education</i> , 1 manuscript
Fa 2023	Self-regulated Learning Development Project , Educational Psychology and Methodology, University at Albany, SUNY Mentored undergraduate students using self-regulated learning interventions to enhance their academic success.
2022- 2024	Assembly Representative , Registered Graduate Student Organization of the Sky Happiness Club, University at Albany, SUNY
2022- 2023	Vice President , Registered Graduate Student Organization of Educational Psychology and Methodology, University at Albany, SUNY

SKILLS

Statistical Software: SPSS, RStudio, SAS, Stata, Winsteps, MPlus
 Experimental Design Software: E-Prime
 Programming Language: C++, Python