Katherine Jane Strickland

(201) 788-2638
katjanestrickland.github.io
k.strickland1@ufl.edu

EDUCATION AND TRAINING

2026 Postdoctoral Researcher, University of Florida
Developing methods and tools for the design and analysis of longitudinal experimental and quasi-experimental studies through Monte Carlo simulations under Dr. Wei Li

2024 Ph.D., Quantitative Methods, University of Pennsylvania
Dissertation: *Methodological Considerations in Observational Studies of Panel Data: Applications to the Gifted and Talented Program in New York City*
(awarded with distinction)
Committee: Wendy Chan, Michael Gottfried, Robert Boruch, Michael Rovine

2023 M.A., Statistics and Data Science, University of Pennsylvania
Thesis: *Exploring Heterogeneous Treatment Effects with Bayesian Additive Regression Trees*
Supervisor: Dylan Small

2019 M.A., Quantitative Methods, University of Texas at Austin
2013 B.A., Business, University of Notre Dame

PUBLICATIONS

1. **Strickland, K. J.**, Chan, W. (2026). Modeling Demographic Change in NYC's Gifted Education Program Using the Representation Index *(In Press, Gifted Child Quarterly).*
2. **Strickland, K.**, Chan, W., & Gottfried, M. A. (2025). Longitudinal Effects of NYC's Gifted and Talented Program: Evidence from a Staggered Difference-in-Differences Approach. *Educational Evaluation and Policy Analysis*.
https://doi.org/10.1177/23328584241299346
3. **Strickland, K. J.**, Chan, W., Gottfried, M., Huang, J., & Hildreth, D. (2024). Exploring the Impact of New York City's Gifted and Talented Program: A Matched Comparison Study. *AERA Open*, *10*.
https://doi.org/10.1177/23328584241299346
4. Chan, W., Oh, J., & **Wilson, K. J.** (2023). Redefining Populations of Inference for Generalizations from Small Studies. *Journal of Research on Educational Effectiveness*.
https://doi.org/10.1080/19345747.2023.2290546

UNDER REVIEW

1. Gottfried, M., **Strickland, K.** & Peters, S. (2026). Beyond Placement: School Building Configurations and the Distribution of Special Education in New York City *(Under Review, AERA Open)*.
2. Chan, W., Oh, J., & **Strickland, K.** (2026). The Energy Distance Between Covariate Distributions and Assessments of Generalizability *(Revise and Resubmit, Journal of Research on Educational Effectiveness)*.
3. **Strickland, K.J**., Cassidy, M., Li, W., & Gao, X. A Staggered Difference-in-Differences Analysis of School Achievement and Performance after Gifted and Talented Adoption *(Manuscript in Preparation for American Educational Research Journal)*
4. **Strickland, K.J**., Chan, W., & Gottfried, M. Geographic Predictors of Access to Gifted & Talented Programs: Linking Census Tracts, School-Level, and Student-Level Data in New York City *(Manuscript in Preparation for Education Finance and Policy)*

WORKING PAPERS

Strickland, K.J., Hill, J., Lu, Y., & Li, W. Estimating Heterogeneous Treatment Effects of the Gifted and Talented Program Using Bayesian Additive Regression Trees

Strickland, K.J. & Li, W. Neighborhoods as A Level: A Framework for Urban School Research

Strickland, K.J., Gottfried, M., & Peters, S. Main Sites and Annexes: Mapping District 75 Locations in New York City

PRESENTATIONS

2026

Strickland, K.J., Frisone, M., Reyes, R., Park, J., & Li, W. Neighborhoods as a Level: A Framework for Urban School Research Using Philadelphia and New York City. Paper to be presented at the Society for Research on Educational Effectiveness Annual Meeting. Baltimore, MD.

Strickland, K.J., Chan, W., Gottfried, M., & Peters, S. The Geography of Gifted Education: School and Neighborhood Predictors of Access to Gifted and Talented Programs in New York City. Paper to be presented at the Society for Research on Educational Effectiveness Annual Meeting. Baltimore, MD.

Chan, W., Yasmin, N., Zhou M., **Strickland, K.J**. The Transportability of Impacts in New York City's Gifted and Talented Program. Paper to be presented at the Society for Research on Educational Effectiveness Annual Meeting. Baltimore, MD.

Li, W. & **Strickland, K.J**. Difference-in-Differences Under Conditional Parallel Trends with Time-Invariant Covariates: Methods, Implementation, and Power Analysis. Paper to be presented at the Society for Research on Educational Effectiveness Annual Meeting. Baltimore, MD.

Li, W. & **Strickland, K.J**. Power Analysis for Difference-in-Differences Studies with Staggered Treatment Adoption. Paper presented at the Modern Modeling Methods Conference. New York City, NY.

Strickland, K.J., Hill, J, Li, W. Estimating Heterogeneous Effects of the Gifted and Talented Program Using Bayesian Additive Regression Trees. Paper presented at the Modern Modeling Methods Conference. New York City, NY.

Strickland, K.J., Hill, J., Li, W. Estimating Heterogeneous Effects of the Gifted and Talented Program Using Bayesian Additive Regression Trees. Poster presented at the American Causal Inference Conference. Salt Lake City, UT.

Strickland, K.J., Chan, W., Gottfried, M., & Peters, S. Where the Advanced Educational Opportunities Are: Geographic and Demographic Patterns in NYC Gifted and Talented Program Access and Availability. Paper presented Association for Education Finance and Policy Conference. Chicago, IL.

Gottfried, M., **Strickland, K.J.,** Peters, S. Who are Their Schoolmates? Exploring Differences and Disparities in School Composition for Students with Disabilities in NYC. Paper presented at Association for Education Finance and Policy Conference. Chicago, IL.

2025

Li, W., **Strickland, K.J**. Power Analysis for Difference-in-Differences Studies with Staggered Treatment Adoption. Paper presented at the Annual Florida Educational Research Association Conference. Fort Myers, FL.

Strickland, K.J. The Impact of NYC's Gifted and Talented Program on Middle and High School Attendance and Achievement. Paper presented at the Association for Public Policy Analysis Meeting. Seattle, WA.

Chan, W., Oh, J., **Strickland, K**. The Energy Distance Between Covariate Distributions and Assessments of Generalization. Paper presented at the Society for Research on Educational Effectiveness Annual Meeting. Chicago, IL.

Li, W. **Strickland, K**., Xueyan Gao, X. Huang, J. Designing Longitudinal Quasi-Experimental Studies Using Staggered Difference-in-Differences: Estimator Selection, Software Implementation, and Sample Size Planning. Paper presented at the Society for Research on Educational Effectiveness Annual Meeting. Chicago, IL.

Li, W., Huang, J., Zhang, Q, Konstantopoulos, S. & **Strickland, K.** Using Real-Data Simulation Methods to Estimate Statistical Power for Longitudinal Experimental Studies. In-the-pipeline poster presented at the Society for Research on Educational Effectiveness Annual Meeting. Chicago, IL.

Gottfried, M., **Strickland, K.J**. & Kreda, S. Who Are their Schoolmates? Exploring Differences and Disparities in School Composition for Students with Disabilities in NYC. Paper presented at the Society for Research on Educational Effectiveness Annual Meeting. Chicago, IL.

Strickland, K.J. & Chan, W. Overlapped but Overlooked: Estimating the Effects of NYC's Gifted and Talented program for Underserved Students in the Face of Covariate Imbalance. In-the-pipeline poster presented at the Society for Research on Educational Effectiveness Annual Meeting. Chicago, IL.

Strickland, K.J. & Chan, W. The Impact of New Admissions Policies on the Demographic Representation of New York City's Gifted and Talented Program. Paper presented at the American Educational Research Association Annual Meeting. Denver, CO.

Chan, W., Oh, J., & **Wilson, K. J.** The Implications of Covariate Distributional Differences on Generalizability Statistics. Poster presented at the American Educational Research Association Annual Meeting. Denver, CO.

2024

Strickland, K.J. & Chan, W. Which Students Benefit from New York City's Gifted and Talented Program? Paper presented at the American Educational Research Association Annual Meeting. Philadelphia, PA.

Strickland, K.J. & Chan, W. G&T Deserts. Measuring the Effects of Gifted and Talented Availability Using Synthetic Controls. Roundtable presented at the American Educational Research Association Annual Meeting. Philadelphia, PA.

2022

Chan, W., Oh, J., & **Wilson, K.J.** Redefining Populations of Inference for Generalization. Paper presented at the Society for Research on Educational Effectiveness. Arlington, VA.

GRANTS

2026 Li, W. (PI) & **Strickland, K.J.** (Co-PI). *Interpretable Teacher Engagement Profiles and Causal Effects in Math Matrix Micro-Credentials*. AIMS EduData Initiative, Digital Promise. $20,000.

2026 Li, W. (PI) & **Strickland, K.J.** (Co-PI). *Causal Discovery and High-Dimensional Treatment Methods for Evaluating Online Learning Platforms: With Application to Lastinger Center Literacy Matrix Data*. University of Florida, HDOSE Strategic Reinvestment Fund. $15,000.

FELLOWSHIPS, AWARDS AND HONORS

2020 Modern Meta Analysis Research Institute
2019 Dean's Fellowship, full funding for Doctoral Studies, University of Pennsylvania
2017 Bascombe Royall and Frances Fallon Fuller Scholarship, University of Texas at Austin

TEACHING

University of Florida
2026 Multilevel Modeling (EDF 7474), Teaching Assistant

University of Pennsylvania

2024 Introductory Statistics for Educational Research (EDUC 6667), Faculty Instructor
2020-2023 Data Processing and Analysis (EDUC 6625), Teaching Assistant
2019-2020 Wharton Moneyball Academy, R Programming Instructor

University of Texas at Austin
2018-2019 Strategic Learning for the 21st Century (EDP 304), Graduate Instructor

KIPP Austin Public Schools
2013-2015 Third Grade Teacher at KIPP Public Schools (Austin, Texas)

AmeriCorps New York City Teaching Fellows
2015-2017 Special Education Teacher at P.S. 17X (Bronx, NYC)

ACADEMIC COURSEWORK

Bayesian Statistics, Causal Inference, Machine Learning, Nonparametric Statistics, Factor Analysis, Structural Equation Modeling, Complex Models, Multilevel Modeling, Hierarchical Modeling, Big Data Analytics, Time Series Forecasting, Data Processing and Analysis, Survey Methods & Design, Policy Research, Randomized Trials and Experiments, Psychometrics, Measurement & Assessment, Regression and Analysis of Variance

TECHNICAL SKILLS

R, STATA, Python, GitHub, SAS, SPSS

PROFESSIONAL MEMBERSHIPS

American Educational Research Association (AERA), Society for Research on Educational Effectiveness (SREE), Association for Public Policy Analysis and Management (APPAM)

REFERENCES

Wendy Chan
Associate Professor, University of Pennsylvania
wechan@upenn.edu

Wei Li
Associate Professor, University of Florida
wei.li@coe.ufl.edu

Michael Gottfried
Professor, University of Pennsylvania
mgottfr2@upenn.edu