

Sooyong Lee, Ph.D.

Post-Doc Fellow

The University of Texas at Austin

EDUCATION

Graduate and Postdoctoral Education

2017-2023	Ph.D., Major in Quantitative Methods in Educational Psychology, The University of Texas at Austin	Austin, Texas
2014-2017	M.A., Major in Educational Statistics and Measurement, Korea University	Seoul, Republic of Korea

RESEARCH INTERESTS

PUBLICATIONS

2023

- Jonghwan Lee, Christina Schneider, Garron Gianopulos, Luping Niu, **Sooyong Lee**, Sangdon Lim, & Seung W Choi (2023). The Impact of Item Bank Transition Rules on Student Ability Estimates and Achievement Level Classifications. *Journal of Computerized Adaptive Testing*. In print.
- **Sooyong Lee**, Suhwa Han, & Seung W. Choi (2023). Bayesian Moderated Non-linear Factor Analysis for DIF Detection under Violation of Equal Variance Assumption. *Educational and Psychological Measurement*. Under review.
- **Sooyong Lee**, Adam Sales, Hyeon-Ah Kang, & Tiffany A. Whittaker (2023). Fully Latent Principal Stratification With Measurement Models. *Journal of Educational and Behavioral Statistics*. Under review.
- Rene M. Dailey, ..., & **Sooyong Lee** (2023). Testing A Comprehensive Model of Post-Dissolution Distress: Predicting Initial and Over Time Changes in Distress Following Romantic Dissolution among U.S. Adults. *Journal of Personality and Social Psychology*. Under review.
- Kahyun Lee, **Sooyong Lee**, & Allison Master (2023). From Fixed to Growth: An Intensive Longitudinal Study of the Interplay Between Growth Mindset, Emotions, Sense of Belonging, and Experiences in Daily Life Among College Students. In preparation.
- Kahyun Lee, **Sooyong Lee**, & Allison Master (2023). Exploring the Dynamics of Daily Experiences, Emotions, and Depression among Asian American Students: The Moderating Role of Growth Mindsets. In preparation.
- **Sooyong Lee**, Adam Sales, Hyeon-Ah Kang, & Tiffany A. Whittaker (2023). Bayesian and Maximum Likelihood Estimation in Fully Latent Principal Stratification. In preparation.
- **Sooyong Lee**, Adam Sales, Hyeon-Ah Kang, & Tiffany A. Whittaker (2023). Multidimensional Fully-latent Principal Stratification. In preparation.
- **Sooyong Lee**, Suyoung Kim, & Jiwon Kim (2023). Investigating Latent Interaction Effects in Multiple-Group Analysis in the Structural Equation Modeling Framework. In preparation.

- Tiffany A. Whittaker, Laura Stapleton & **Sooyong Lee** (2023). A Tutorial for Obtaining Item Response Theory Results from Structural Equation Modeling in Mplus Software with Rating Scales. In preparation.
- **Sooyong Lee** & Tiffany A. Whittaker (2023). Parallel Process Latent Growth Modeling with Multivariate Confounders/Suppressors. *Structural Equation Modeling: A Multidisciplinary Journal*. 30(2), 284-295.
- **Sooyong Lee**, Kahyun Lee, & Tiffany A. Whittaker (2023). Application of Associative Discrete-Time Survival Analysis Using Latent Transition Specification. *Structural Equation Modeling: A Multidisciplinary Journal*. 1-12.
- **Sooyong Lee**, Adam Sales, Hyeon-Ah Kang, & Tiffany A. Whittaker (2023). Fully Latent Principal Stratification: Combining PS with Model-Based Measurement Models.. *The Annual Meeting of the Psychometric Society*. pp. 287-298.

2022

- Seung Choi, Sangdon Lim, Luping Niu, **Sooyong Lee**, Christina M. Schneider, Jay Lee, & Garron J. (2022). maat: An R Package for Multiple Administrations Adaptive Testing. *Applied Psychological Measurement*. 46-1, 73-74.
- **Sooyong Lee**, Suhwa Han, & Seung W. Choi (2022). DIF Detection With Zero-Inflation Under the Factor Mixture Modeling Framework. *Educational and Psychological Measurement*. 82-4, 678-704.
- **Sooyong Lee** & Tiffany A. Whittaker (2022). Comparison of Three Approaches to Class Enumeration in Growth Mixture Modeling when Time Structures are Variant Across Latent Classes. *Structural Equation Modeling: A Multidisciplinary Journal*. 29, 23-35.

2021

- Cory L. Cobb, Charles R. Martínez, Jr., **Sooyong Lee**, Tae Kyoung Lee, & Elma I. Lorenzo-Blanco (2021). Acculturation trajectories differ by youth age at arrival and time in residency among Latino immigrant families in a US emerging immigrant context. *International Journal of Intercultural Relations*. 81, 79-93.

NATIONAL AND INTERNATIONAL PRESENTATIONS

Tiffany Whittaker, Hyeon-Ah Kang, Sooyong Lee, Adam Sales (2023-04). Bayesian and Maximum Likelihood Estimation in Fully Latent Principal Stratification. National Council on Measurement in Education (NCME), Chicago, USA. Sooyong Lee, Adam Sales, Hyeon-Ah Kang, & Tiffany A. Whittaker (2022-07). Fully-Latent Principal Stratification. International Meeting of the Psychometric Society (IMPS), Bologna, Italy. Garron Gianopoulos, Jay Lee, Sangdon Lim, Luping Niu, Sooyong Lee, & Seung W. Choi (2022-04). The Impact of Item Pool Size and Item Pool Distribution on Student Ability Estimates for a Hybrid Interim-Summative CAT. National Council on Measurement in Education (NCME), San Diego, USA. Jay Lee, M. Christina Schneider, Garron Gia, Luping Niu, Sooyong Lee, Sangdon Lim, & Seung W. Choi (2022-04). The Impact of item bank transition rules on student ability estimates and achievement level classifications. National Council on Measurement in Education (NCME), San Diego, USA. Daniel Lewis & Sooyong Lee (2021-04). A Comparison of Two ESS Cut Score Estimation Algorithms. National Council on Measurement in Education (NCME), Baltimore, MD, USA.

Sooyong Lee, Suhwa Han, & Seung W. Choi (2021-04). DIF Detection with Zero-Inflation under the Mixture Modeling Framework. American Educational Research Association (AERA), Virtual. Sooyong Lee & Suhwa Han (2020-07). Item selection and trait estimation methods in CAT with item leakage. International Meeting of the Psychometric Society (IMPS), Maryland, USA. Sooyong Lee & Tiffany A. Whittaker (2020-04). Comparison of Three Approaches to Class Enumeration in Growth Mixture Modeling when Time Structures are Variant Across Latent Classes. American Educational Research Association (AERA), Virtual. Sooyong

Lee & Sehee Hong (2018-07). Exploration of LCA conditions in Latent Class with Low Proportion. International Meeting of the Psychometric Society (IMPS), New York, USA. Kejin Lee, Sooyong Lee, & Youngri Lee (2018-05). An Alternative Approach to Discrete-Time Survival Analysis for Meaningful Interpretation. Modern Modeling Methods conference (MMM), Connecticut, USA.

RESEARCH

TEACHING

PROGRAMS

R package	GRshiny package https://sooyongl.github.io/GRShiny/	Sooyong Lee; Tiffany A. Whittaker; Laura Stapleton;
R package	clavaan package https://github.com/sooyongl/clavaan	Sooyong Lee; Tiffany A. Whittaker
Shiny application	GRshiny: Graded response model https://sooyonglee.shinyapps.io/GRShiny/	Sooyong Lee; Tiffany A. Whittaker; Laura Stapleton;
R package	Embeded Standard Setting https://sooyongl.github.io/EmStanS/	Sooyong Lee; Daniel Lewis
R package	maat package https://choi-phd.github.io/maat/	Seung Choi; Sangdon Lim; Luping Niu; Sooyong Lee; Christina M. Schneider; Jay Lee; Garron J.
R package	flps package https://cran.r-project.org/web/packages/flps/index.html	Sooyong Lee; Adam Sales; Hyeon-Ah Kang; Tiffany A. Whittaker
Shiny application	Embeded Standard Setting https://sooyonglee.shinyapps.io/ESS_shiny/	Sooyong Lee; Daniel Lewis