

Sooyong Lee

PHD

Educational Psychology, The University of Texas at Austin

+1 737 865 0618 | sooyong109@utexas.com | 0000-0002-7964-4508 | sooyongl/

Professional Summary

As a psychometrician, I specialize in applying contemporary statistical theories and techniques to my work. My research interests center around developing and utilizing statistical models, including structural equation modeling (SEM), multilevel modeling (MLM), item response theory (IRT), and mixture modeling. In my recent work, I have placed particular emphasis on Bayesian estimation as a means of modeling the relationships between variables.

Education

The University of Texas at Austin

PH.D., MAJOR IN QUANTITATIVE METHODS IN EDUCATIONAL PSYCHOLOGY

Austin, Texas

2017-Present

Korea University

M.A., MAJOR IN EDUCATIONAL STATISTICS AND MEASUREMENT

Seoul, Republic of Korea

2014-2017

Research experience

CGS PhD Career Pathways project

Graduate Research Assistant

2018/9-2019/5

- Data analysis for surveys to collect data on the career pathways of past and present STEM and humanities PhD students.

President's Award for Global Learning (PAGL)

Graduate Research Assistant

PRESIDENT'S AWARD FOR GLOBAL LEARNING (PAGL)

2019/1-2019/8

- Designing a culturally appropriate mobile application to increase mental health literacy and self-care habits among South Korean young adults

COE Full-Time Tenured and Tenure-Track Faculty

Graduate Research Assistant

2019/9-2019/12

- Data analysis for surveys of graduate programs of education at the University of Texas at Austin

maat package development project

Graduate Research Assistant

NORTHWEST EVALUATION ASSOCIATION (NWEA)

2019/9-2020/5

- Development of MAAT package for Computerized Adaptive Testing for Northwest Evaluation Association (NWEA)

FLPS project

Graduate Research Assistant

IES GRANT

2021/9-Present

- Development of FLPS package for Fully-latent Principal Stratification

Embedded Standard Setting (ESS)

Intern

CREATIVE MEASUREMENT SOLUTIONS LLC

2020/6-2020/8

- Internship for developing Shiny app for Embedded Standard Setting

Embedded Standard Setting (ESS)

Intern

CREATIVE MEASUREMENT SOLUTIONS LLC

2021/6-2021/8

- Internship for developing ESS package for Embedded Standard Setting

Publications

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. DOI:10.1016/j.ijintrel.2021.01.005.

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. DOI:10.1177/01466216211049212.

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. DOI:10.1177/00131644211028995.

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. DOI:10.1080/10705511.2021.1956320.

Sooyong Lee & Tiffany A. Whittaker (2022). Parallel Process Latent Growth Modeling with Multivariate Confounders/Suppressors. *Structural Equation Modeling: A Multidisciplinary Journal*. DOI:10.1080/10705511.2022.2133774.

Sooyong Lee, Kahyun Lee, & Tiffany A. Whittaker (2022). Application of Associative Discrete-Time Survival Analysis Using Latent Transition Specification. *Structural Equation Modeling: A Multidisciplinary Journal*. DOI:10.1080/10705511.2022.2138892.

Program

Embedded Standard Setting

• https://sooyonglee.shinyapps.io/ESS_test/

Shiny application

2021

GRshiny: Graded response model

• <https://sooyonglee.shinyapps.io/GRShiny/>

Shiny application

2022

Embedded Standard Setting

• <https://sooyongl.github.io/EmStanS/>

R package

2022

maat package

• <https://choi-phd.github.io/maat/>

R package

2022

flps package

• <https://sooyongl.github.io/flps/>

R package

2022

GRshiny package

• <https://sooyongl.github.io/GRShiny/>

R package

2023

clavaan package

• <https://github.com/sooyongl/clavaan>

R package

2023