Ihnwhi Heo

Curriculum Vitae in February 2024

CONTACT INFORMATION

School of Social Sciences, Humanities and Arts
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EDUCATION

University of California, Merced, United States — May 2026 (Expected)
Ph.D. Candidate in Quantitative Methods, Measurement, and Statistics
Advisors: Dr. Sarah Depaoli and Dr. Fan Jia

Utrecht University, The Netherlands — July 2021
M.Sc. in Methodology and Statistics, *Cum Laude*
Thesis: "All models are uncertain, but averaging is useful: Bayesian multi-model inference in structural equation models with bridge sampling"
Advisor: Prof. Eric-Jan Wagenmakers (University of Amsterdam)

Sungkyunkwan University, South Korea — August 2019
B.A. in Psychology, *Highest Honors*

FELLOWSHIPS AND AWARDS

Graduate Student Opportunity Program Fellowship, University of California, Merced	2022-2023
Graduate Student Association Travel Award, University of California, Merced	2023
William R. Shadish Award for Leadership and Service, University of California, Merced	2022
Summer Research Award, University of California, Merced	2022, 2023
Professional Development Award, University of California, Merced	2021, 2022, 2023
Utrecht Excellence Scholarship, Utrecht University	2019, 2020
Scholarship for GESIS Summer School, European Survey Research Association	2020
Presidential Award for Best Scholarly Achievement, Sungkyunkwan University	2019
Best Undergraduate Research Project Award, Sungkyunkwan University	2018
Alumni Scholarship for Students with Research Potential, Sungkyunkwan University	2018
Academic Achievement Scholarship, Sungkyunkwan University	2018
Academic Excellence Scholarship, Sungkyunkwan University	2016, 2017, 2018

PEER-REVIEWED ARTICLES

Heo, I., Jia, F., & Depaoli, S. (2023). Performance of model fit and selection indices for Bayesian piecewise growth modeling with missing data. *Structural Equation Modeling: A Multidisciplinary Journal.* Advance online publication. https://doi.org/10.1080/10705511.2023.2264514

Depaoli, S., Jia, F., & Heo, I. (2023). Detecting model misspecification in Bayesian piecewise growth models. *Structural Equation Modeling: A Multidisciplinary Journal, 30*(4). 574-591. https://doi.org/10.1080/10705511.2022.2144865

Heo, I., Jia, F., & Depaoli, S. (2023). Review of *Longitudinal structural equation modeling with Mplus: A latent state-trait perspective. Psychometrika, 88*(2), 733-737. https://doi.org/10.1007/s11336-022-09897-z

Liu, R., Heo, I., Liu, H., Shi, D., & Jiang, Z. (2023). Applying negative binomial distribution in diagnostic classification models for analyzing count data. *Applied Psychological Measurement, 47*(1), 64-75. https://www.doi.org/10.1177/01466216221124604

SUBMITTED ARTICLES	**Heo, I.**, Jia, F., & Depaoli, S. (2024). *Recovering knot placements in Bayesian piecewise growth models with missing data* [Manuscript submitted for publication]. Department of Psychological Sciences, University of California, Merced.
	Heo, I., Depaoli, S., Jia, F., & Liu, H. (2023). *Bayesian approach to piecewise growth mixture modeling: Issues and applications in school psychology* [Manuscript submitted for publication]. Department of Psychological Sciences, University of California, Merced.
TUTORIALS	Koch, M., **Heo, I.**, & van Kesteren, E. J. (2022). Latent growth curve modeling (LGCM) in JASP. *JASP - A Fresh Way to Do Statistics.* https://jasp-stats.org/2022/02/22/latent-growth-curve-modeling-lgcm-in-jasp/
	Koch, M., **Heo, I.**, & van Kesteren, E. J. (2022). Multiple indicators multiple causes (MIMIC) model in JASP. *JASP - A Fresh Way to Do Statistics.* https://jasp-stats.org/2022/02/01/multiple-indicators-multiple-causes-mimic-model-in-jasp/
	Heo, I., & van de Schoot, R. (2020). Tutorial: Advanced Bayesian regression in jamovi. *Zenodo.* https://doi.org/10.5281/zenodo.4117883
	Heo, I., & van de Schoot, R. (2020). Tutorial: jamovi for Bayesian analyses with default priors. *Zenodo.* https://doi.org/10.5281/zenodo.4117881
	Heo, I., & van de Schoot, R. (2020). Tutorial: jamovi for beginners. *Zenodo.* https://doi.org/10.5281/zenodo.4008372
	Heo, I., & van de Schoot, R. (2020). Tutorial: WAMBS Checklist in JASP (using JAGS). *Zenodo.* https://doi.org/10.5281/zenodo.4001365
	Heo, I., & van de Schoot, R. (2020). Tutorial: JASP for Bayesian analyses with informative priors (using JAGS). *Zenodo.* https://doi.org/10.5281/zenodo.4032756
	Heo, I., & van de Schoot, R. (2020). Tutorial: Advanced Bayesian regression in JASP. *Zenodo.* https://doi.org/10.5281/zenodo.3991325
	Heo, I., Veen, D., & van de Schoot, R. (2020). Tutorial: JASP for Bayesian analyses with default priors. *Zenodo.* https://doi.org/10.5281/zenodo.4008338
	Heo, I., Veen, D., & van de Schoot, R. (2020). Tutorial: JASP for beginners. *Zenodo.* https://doi.org/10.5281/zenodo.4008279
	Heo, I., Veen, D., & van de Schoot, R. (2020). Tutorial: R for beginners. *Zenodo.* https://doi.org/10.5281/zenodo.3963824
CONFERENCE PRESENTATIONS	**Heo, I.**, Jia, F., & Depaoli, S. (2023, March 15-17). *On evaluating the performance of model fit and selection indices for Bayesian piecewise growth modeling: The effect of model misspecification and missing data* [Paper presentation]. Structural Equation Modeling Working Group Conference, Bielefeld, Germany.
	Heo, I., Jia, F., & Depaoli, S. (2023, March 9-11). *Detecting model misspecification in Bayesian piecewise growth models with missing data: Sensitivity of model fit and selection indices* [Poster presentation]. 4th International Convention of Psychological Science, Brussels, Belgium.
	Heo, I., Jia, F., & Depaoli, S. (2022, May 26-29). *Bayesian model fit and selection indices for detecting misspecification: The case of Bayesian piecewise growth modeling* [Poster presentation]. 34th Annual Convention of the Association for Psychological Science, Chicago, IL, United States.
	Liu, R., **Heo, I.**, Liu, H., Shi, D., & Jiang, Z. (2022, April 21-26). *Diagnostic classification models for analyzing examinees' responses to a large number of small and similar tasks* [Paper presentation]. 106th Annual Meeting of the American Educational Research Association, San Diego, CA, United States.

Institutional Presentations	**Heo, I.** (2023, September 27). *A gentle introduction to Monte Carlo simulation methods using R and Mplus.* Quantitative Methods, Measurement, and Statistics Brownbag Series, Department of Psychological Sciences, University of California, Merced, Merced, CA, United States.
	Heo, I. (2023, September 13). *On the recovery of knot locations for Bayesian piecewise growth modeling with missing data.* Quantitative Methods, Measurement, and Statistics Brownbag Series, Department of Psychological Sciences, University of California, Merced, Merced, CA, United States.
	Heo, I. (2023, January 25). *The latest update on the performance of model comparison tools in Bayesian structural equation modeling.* Quantitative Methods, Measurement, and Statistics Brownbag Series, Department of Psychological Sciences, University of California, Merced, Merced, CA, United States.
	Heo, I. (2022, April 29). *The impact of model misspecification and missing data on Bayesian piecewise growth modeling.* Annual Research Talk, Department of Psychological Sciences, University of California, Merced, Merced, CA, United States.
	Heo, I. (2021, October 27). *Bayesian multi-model inference in structural equation models with bridge sampling.* Quantitative Methods, Measurement, and Statistics Brownbag Series, Department of Psychological Sciences, University of California, Merced, Merced, CA, United States.
	Heo, I. (2018, November 9). *The paradox in goal pursuit: Preference reversal when means justifies ends.* Annual Research Presentation, Department of Psychology, Sungkyunkwan University, Seoul, South Korea.

Teaching Experience

Department of Psychological Sciences, University of California, Merced
Guest Lecturer, Advanced Psychological Statistics II (graduate)	Spring 2024
Lab Instructor, Research Methods in Psychology (undergraduate)	Fall 2023
Lab Instructor, Analysis of Psychological Data (undergraduate)	Fall 2021, Spring 2022

Department of Methodology and Statistics, Utrecht University
Lab Assistant, Advanced Longitudinal Modeling in M*plus* (master)	Summer 2021
Lab Assistant, Introduction to Structural Equation Modeling Using M*plus* (master)	Summer 2021
Lab Instructor, Advanced Research Methods and Statistics for Psychology (bachelor)	Spring 2020

Educator Training

Center for Engaged Teaching and Learning, University of California, Merced
Teaching Certification, Advanced Pedagogy	Spring 2023
Teaching Certification, Principles of Pedagogy	Fall 2022
Teaching Certification, Fundamentals of Teaching	Fall 2021

Ad Hoc Reviewing

Journal
Applied Psychological Measurement
Multivariate Behavioral Research
Psychological Methods

Conference
American Educational Research Association - Division D
National Council on Measurement in Education

Institutional Service

University of California, Merced
Member, Faculty Search Committee in Quantitative Methods, Measurement, and Statistics	2023-2024
Moderator, Quantitative Program X Account @UCM_QuantPsych	2023, 2024
Panelist, Psi Chi Graduate Student Panel	2021, 2023