

Ihnwhi Heo

Bayesian Inference | Structural Equation Modeling | Longitudinal Modeling | Incomplete Data

✉ ih eo2@ucmerced.edu | 🏠 <https://ihnwhiheo.github.io> | 🐙 Github | ✖ X | 🔗 LinkedIn

EDUCATION	University of California, Merced, USA	May 2026 (Expected)
	Ph.D. Student in Quantitative Methods, Measurement, and Statistics Advisors: Dr. Sarah Depaoli and Dr. Fan Jia	
	Utrecht University, The Netherlands M.Sc. in Methodology and Statistics , <i>Cum Laude</i> 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)	July 2021
	Sungkyunkwan University, South Korea B.A. in Psychology, <i>Highest Honors</i>	August 2019
FELLOWSHIPS AND AWARDS	Graduate Student Opportunity Program Fellowship	2022-2023
	Competitive university-wide fellowship of \$46,271 for conducting research Graduate Dean, University of California, Merced	
	Travel Award Fellowship	2023
	Graduate Student Association, University of California, Merced	
	William R. Shadish Award for Leadership and Service	2022
	Department of Psychological Sciences, University of California, Merced	
	Summer Research Award	2022, 2023
	Department of Psychological Sciences, University of California, Merced	
	Professional Development Award	2021, 2022
	Department of Psychological Sciences, University of California, Merced	
	Utrecht Excellence Scholarship	2019, 2020
	President of Utrecht University	
	Scholarship for the GESIS Summer School in Survey Methodology	2020
	European Survey Research Association	
	Presidential Award for Best Scholarly Achievement	2019
	President of Sungkyunkwan University	
	Best Undergraduate Research Project Award	2018
	Department of Psychology, Sungkyunkwan University	
	Scholarship for Students with Research Potential	2018
	Department of Psychology, Sungkyunkwan University	
	Academic Achievement Scholarship	2018
	Student Affairs Division, Sungkyunkwan University	
	Academic Excellence Scholarship	2016, 2017, 2018
	Department of Psychology, Sungkyunkwan University	
	Academic Excellence Scholarship	2016
	University College, Sungkyunkwan University	

PEER-REVIEWED ARTICLES	<p>Heo, I., Jia, F., & Depaoli, S. (2023). Performance of model fit and selection indices for Bayesian piecewise growth modeling with missing data. <i>Structural Equation Modeling: A Multidisciplinary Journal</i>. Advance online publication. https://doi.org/10.1080/10705511.2023.2264514</p> <p>Depaoli, S., Jia, F., & Heo, I. (2023). Detecting model misspecification in Bayesian piecewise growth models. <i>Structural Equation Modeling: A Multidisciplinary Journal</i>, 30(4). 574-591. https://doi.org/10.1080/10705511.2022.2144865</p> <p>Heo, I., Jia, F., & Depaoli, S. (2023). Review of <i>Longitudinal structural equation modeling with Mplus: A latent state-trait perspective</i>. <i>Psychometrika</i>, 88(2), 733-737. https://doi.org/10.1007/s11336-022-09897-z</p> <p>Liu, R., Heo, I., Liu, H., Shi, D., & Jiang, Z. (2023). Applying negative binomial distribution in diagnostic classification models for analyzing count data. <i>Applied Psychological Measurement</i>, 47(1), 64-75. https://www.doi.org/10.1177/01466216221124604</p>
SUBMITTED ARTICLES	<p>Heo, I., Depaoli, S., Jia, F., & Liu, H. (2023). <i>Bayesian approach to piecewise growth mixture modeling: Issues and applications in school psychology</i> [Manuscript submitted for publication]. Department of Psychological Sciences, University of California, Merced.</p>
TUTORIALS	<p>Koch, M., Heo, I., & van Kesteren, E. J. (2022). Latent growth curve modeling (LGCM) in JASP. <i>JASP - A Fresh Way to Do Statistics</i>. https://jasp-stats.org/2022/02/22/latent-growth-curve-modeling-lgcm-in-jasp/</p> <p>Koch, M., Heo, I., & van Kesteren, E. J. (2022). Multiple indicators multiple causes (MIMIC) model in JASP. <i>JASP - A Fresh Way to Do Statistics</i>. https://jasp-stats.org/2022/02/01/multiple-indicators-multiple-causes-mimic-model-in-jasp/</p> <p>Heo, I., & van de Schoot, R. (2020). Tutorial: Advanced Bayesian regression in jamovi. <i>Zenodo</i>. https://doi.org/10.5281/zenodo.4117883</p> <p>Heo, I., & van de Schoot, R. (2020). Tutorial: jamovi for Bayesian analyses with default priors. <i>Zenodo</i>. https://doi.org/10.5281/zenodo.4117881</p> <p>Heo, I., & van de Schoot, R. (2020). Tutorial: jamovi for beginners. <i>Zenodo</i>. https://doi.org/10.5281/zenodo.4008372</p> <p>Heo, I., & van de Schoot, R. (2020). Tutorial: WAMBS Checklist in JASP (using JAGS). <i>Zenodo</i>. https://doi.org/10.5281/zenodo.4001365</p> <p>Heo, I., & van de Schoot, R. (2020). Tutorial: JASP for Bayesian analyses with informative priors (using JAGS). <i>Zenodo</i>. https://doi.org/10.5281/zenodo.4032756</p> <p>Heo, I., & van de Schoot, R. (2020). Tutorial: Advanced Bayesian regression in JASP. <i>Zenodo</i>. https://doi.org/10.5281/zenodo.3991325</p> <p>Heo, I., Veen, D., & van de Schoot, R. (2020). Tutorial: JASP for Bayesian analyses with default priors. <i>Zenodo</i>. https://doi.org/10.5281/zenodo.4008338</p> <p>Heo, I., Veen, D., & van de Schoot, R. (2020). Tutorial: JASP for beginners. <i>Zenodo</i>. https://doi.org/10.5281/zenodo.4008279</p> <p>Heo, I., Veen, D., & van de Schoot, R. (2020). Tutorial: R for beginners. <i>Zenodo</i>. https://doi.org/10.5281/zenodo.3963824</p>

CONFERENCE PRESENTATIONS	Heo, I. , Jia, F., & Depaoli, S. (2023, March 15-17). <i>On evaluating the performance of model fit and selection indices for Bayesian piecewise growth modeling: The effect of model misspecification and missing data</i> [Paper presentation]. Structural Equation Modeling Working Group Conference, Bielefeld, Germany.		
	Heo, I. , Jia, F., & Depaoli, S. (2023, March 9-11). <i>Detecting model misspecification in Bayesian piecewise growth models with missing data: Sensitivity of model fit and selection indices</i> [Poster presentation]. 4th International Convention of Psychological Science, Brussels, Belgium.		
	Heo, I. , Jia, F., & Depaoli, S. (2022, May 26-29). <i>Bayesian model fit and selection indices for detecting misspecification: The case of Bayesian piecewise growth modeling</i> [Poster presentation]. 34th Annual Convention of the Association for Psychological Science, Chicago, IL, USA.		
	Liu, R., Heo, I. , Liu, H., Shi, D., & Jiang, Z. (2022, April 21-26). <i>Diagnostic classification models for analyzing examinees' responses to a large number of small and similar tasks</i> [Paper presentation]. 106th Annual Meeting of the American Educational Research Association, San Diego, CA, USA.		
INSTITUTIONAL PRESENTATIONS	Heo, I. (2023, September 27). <i>A gentle introduction to Monte Carlo simulation methods using R and Mplus</i> . Quantitative Methods, Measurement, and Statistics Brownbag Series, Department of Psychological Sciences, University of California, Merced, Merced, CA, USA.		
	Heo, I. (2023, September 13). <i>On the recovery of knot locations for Bayesian piecewise growth modeling with missing data</i> . Quantitative Methods, Measurement, and Statistics Brownbag Series, Department of Psychological Sciences, University of California, Merced, Merced, CA, USA.		
	Heo, I. (2023, January 25). <i>The latest update on the performance of model comparison tools in Bayesian structural equation modeling</i> . Quantitative Methods, Measurement, and Statistics Brownbag Series, Department of Psychological Sciences, University of California, Merced, Merced, CA, USA.		
	Heo, I. (2022, April 29). <i>The impact of model misspecification and missing data on Bayesian piecewise growth modeling</i> . Annual Research Talk, Department of Psychological Sciences, University of California, Merced, Merced, CA, USA.		
	Heo, I. (2021, October 27). <i>Bayesian multi-model inference in structural equation models with bridge sampling</i> . Quantitative Methods, Measurement, and Statistics Brownbag Series, Department of Psychological Sciences, University of California, Merced, Merced, CA, USA.		
	Heo, I. (2018, November 9). <i>The paradox in goal pursuit: Preference reversal when means justifies ends</i> . Annual Research Presentation, Department of Psychology, Sungkyunkwan University, Seoul, South Korea.		
TEACHING EXPERIENCE	Department of Psychological Sciences, University of California, Merced		
	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 Mplus (master)		Summer 2021
	Lab Assistant, Introduction to Structural Equation Modeling Using Mplus (master)		Summer 2021
EDUCATOR TRAINING	Lab Instructor, Advanced Research Methods and Statistics for Psychology (bachelor)		Spring 2020
	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 <i>Applied Psychological Measurement</i> <i>Psychological Methods</i> <i>Multivariate Behavioral Research</i> 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 Panelist, Psi Chi Graduate Student Panel 2021, 2023
PROFESSIONAL AFFILIATIONS	Open Science Community Utrecht Association for Psychological Science Interuniversity Graduate School of Psychometrics and Sociometrics