

# Ihnwhi Heo

Psychological Methodologist and Statistician with enthusiasm for Bayesian Inference

✉ iheo2@ucmerced.edu | 🏠 <https://ihnwhiheo.github.io> | 🐙 Github | 🐦 Twitter | 🔗 LinkedIn

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

- PEER-REVIEWED ARTICLES **Heo, I.**, Jia, F., & Depaoli, S. (2022). Review of *Longitudinal structural equation modeling with Mplus: A latent state-trait perspective*. *Psychometrika*. Advance online publication. <https://doi.org/10.1007/s11336-022-09897-z>
- Depaoli, S., Jia, F., & **Heo, I.** (2022). Detecting model misspecification in Bayesian piecewise growth models. *Structural Equation Modeling: A Multidisciplinary Journal*. Advance online publication. <https://doi.org/10.1080/10705511.2022.2144865>
- 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>
- 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, USA.

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, USA.

**INSTITUTIONAL PRESENTATIONS** **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, USA.

**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, USA.

**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, USA.

**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** **Trainee Teacher**, Advanced Pedagogy Spring 2023  
Teaching Commons, University of California, Merced

**Trainee Teacher**, Principles of Pedagogy Fall 2022  
Teaching Commons, University of California, Merced

**Lab Instructor**, Analysis of Psychological Data Fall 2021, Spring 2022  
Department of Psychological Sciences, University of California, Merced

**Lab Assistant**, Advanced Course on Using *Mplus* Summer 2021  
Department of Methodology and Statistics, Utrecht University

**Lab Assistant**, Introduction to Structural Equation Modeling Using *Mplus* Summer 2021  
Department of Methodology and Statistics, Utrecht University

**Workgroup Instructor**, Advanced Research Methods and Statistics for Psychology Spring 2020  
Department of Methodology and Statistics, Utrecht University

**Teaching Assistant**, Social Marketing Fall 2018  
SKK Graduate School of Business, Sungkyunkwan University

**SERVICE ACTIVITIES** **Psi Chi Graduate Panel - Quantitative Area** 2021  
Department of Psychological Sciences, University of California, Merced

**PROFESSIONAL AFFILIATIONS** Open Science Community Utrecht  
Association for Psychological Science  
Interuniversity Graduate School of Psychometrics and Sociometrics