Ihnwhi Heo

Psychological Methodologist and Statistician with enthusiasm for Bayesian Inference

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

PEER-REVIEWED ARTICLES	**Heo, I.**, Jia, F., & Depaoli, S. (in press). Review of *Longitudinal Structural Equation Modeling with Mplus: A Latent State-Trait Perspective*. *Psychometrika*.
	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. (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.** (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, 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 M*plus*   Summer 2021
Department of Methodology and Statistics, Utrecht University

Lab Assistant, Introduction to Structural Equation Modeling Using M*plus*   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