

Ihnwhi Heo

Psychological Methodologist and Statistician with enthusiasm for Bayesian Inference

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| 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. Dr. 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 | |

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| PEER-REVIEWED ARTICLES | <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>Depaoli, S., Jia, F., & Heo, I. (2022). Detecting model misspecification in Bayesian piecewise growth models. <i>Structural Equation Modeling: A Multidisciplinary Journal</i>. Advance online publication. https://doi.org/10.1080/10705511.2022.2144865</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., Jia, F., & Depaoli, S. (2023). <i>Performance of model fit and selection indices for Bayesian piecewise growth modeling with missing data</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 | <p>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.</p> <p>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.</p> |

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

Teacher Training, 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 **Journal Reviewer**
Multivariate Behavioral Research
Applied Psychological Measurement

University & Department
Psi Chi Graduate Panel - Quantitative Area 2021

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