

Ihnwhi Heo

Curriculum Vitae in March 2024

CONTACT INFORMATION	School of Social Sciences, Humanities and Arts University of California, Merced 5200 North Lake Road Merced, CA 95343, USA	iheo2@ucmerced.edu ihnwhiheo.github.io ✕ ·  ·  ·  ·  ·  · 
EDUCATION	University of California, Merced, USA Ph.D. Candidate in Quantitative Methods, Measurement, and Statistics Advisors: Dr. Sarah Depaoli and Dr. Fan Jia 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. Eric-Jan Wagenmakers (University of Amsterdam) Sungkyunkwan University, South Korea B.A. in Psychology, <i>Highest Honors</i>	May 2026 (Expected) July 2021 August 2019
FELLOWSHIPS AND AWARDS	Graduate Student Opportunity Program Fellowship, University of California, Merced Graduate Student Association Travel Award, University of California, Merced William R. Shadish Award for Leadership and Service, University of California, Merced Summer Research Award, University of California, Merced Professional Development Award, University of California, Merced Utrecht Excellence Scholarship, Utrecht University Scholarship for GESIS Summer School, European Survey Research Association Presidential Award for Best Scholarly Achievement, Sungkyunkwan University Best Undergraduate Research Project Award, Sungkyunkwan University Alumni Scholarship for Students with Research Potential, Sungkyunkwan University Academic Achievement Scholarship, Sungkyunkwan University Academic Excellence Scholarship, Sungkyunkwan University	2022-2023 2023 2022 2022, 2023 2021, 2022, 2023 2019, 2020 2020 2019 2018 2018 2018 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. <i>Structural Equation Modeling: A Multidisciplinary Journal</i> . 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. <i>Structural Equation Modeling: A Multidisciplinary Journal</i> , 30(4). 574-591. https://doi.org/10.1080/10705511.2022.2144865 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 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	

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. (2024, May 23-26). Advances in detecting misfit in Bayesian piecewise growth curve models. In H. Liu (Chair), *Model fit assessment of Bayesian structural equation modeling* [Symposium]. 36th Annual Convention of the Association for Psychological Science, San Francisco, CA, USA.

Jauregui, M., **Heo, I.**, Depaoli, S., & Liu, H. (2024, May 23-26). *The final class model depends on the index: Exploring Bayesian model fit index performance in growth mixture modeling* [Poster presentation]. 36th Annual Convention of the Association for Psychological Science, San Francisco, CA, USA.

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.** (2024, March 6). *On the advance and promise of analyzing psychological text data*. Quantitative Methods, Measurement, and Statistics Brownbag Series, Department of Psychological Sciences, University of California, Merced, Merced, CA, USA.

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, USA.

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, USA.

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 **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 *Mplus* (master) Summer 2021
Lab Assistant, Introduction to Structural Equation Modeling Using *Mplus* (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**
Multivariate Behavioral Research
Psychological Methods
Structural Equation Modeling: A Multidisciplinary Journal

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, 2024