

Ihnwhi Heo

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<https://ihnwhiheo.github.io>

RESEARCH INTERESTS	Bayesian Inference, Structural Equation Modeling, Longitudinal Data Analysis, Missing Data Analysis, Hypothesis Testing, Metascience	
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 , <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> Project: "The Paradox in Goal Pursuit: Preference Reversal When Means Justifies Ends" August 2019	
HONORS AND AWARDS	Graduate Student Opportunity Program Fellowship Graduate Dean, University of California, Merced 2022-2023	
	Summer Support Award Department of Psychological Sciences, University of California, Merced 2022	
	Development Support Award Department of Psychological Sciences, University of California, Merced 2021	
	Graduation with Distinction Department of Methodology and Statistics, Utrecht University 2021	
	Utrecht Excellence Scholarship President of Utrecht University 2020	
	Scholarship for the GESIS Summer School in Survey Methodology European Survey Research Association 2020	
	Utrecht Excellence Scholarship President of Utrecht University 2019	
	Presidential Award for Best Scholarly Achievement President of Sungkyunkwan University 2019	
	Graduation with Highest Honors College of Social Sciences, Sungkyunkwan University 2019	
	Best Undergraduate Research Project Award Department of Psychology, Sungkyunkwan University 2018	
	Alumni Scholarship for Students with Research Potential Department of Psychology, Sungkyunkwan University 2018	
	Academic Excellence Scholarship Department of Psychology, Sungkyunkwan University 2018	
	Distinguished Academic Achievement Scholarship Student Affairs Division, Sungkyunkwan University 2018	

	Academic Excellence Scholarship	2017
	Department of Psychology, Sungkyunkwan University	
	Academic Excellence Scholarship	2016
	Department of Psychology, Sungkyunkwan University	
	Academic Excellence Scholarship	2016
	University College, Sungkyunkwan University	
UNDER REVIEW	Liu, R., Heo, I. , Shi, D., & Jiang, Z. (Under Review). Applying negative binomial distribution in diagnostic classification models for analyzing count data.	
CONFERENCE PRESENTATIONS	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 Association for Psychological Science Annual Convention, Chicago, IL.	
	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]. 2022 American Educational Research Association Annual Meeting, San Diego, CA.	
INSTITUTIONAL TALKS	Heo, I. (2022, April 29). <i>The impact of model misspecification and missing data on Bayesian piecewise growth modeling</i> . Annual Departmental Talk, Department of Psychological Sciences, University of California, Merced, Merced, CA.	
	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.	
	Simons, J. -W., Nieuwenweg, B., & Heo, I. (2020, May 28). <i>I used to think my small sample was a tragedy, but now I realize it has a remedy!</i> . 2020 Utrecht University Poster Fair, Utrecht University, Utrecht, The Netherlands. (Canceled due to COVID-19)	
	Heo, I. (2018, November 9). <i>The paradox in goal pursuit: Preference reversal when means justifies ends</i> . Annual Departmental Research Presentation, Department of Psychology, Sungkyunkwan University, Seoul, South Korea.	
STATISTICS TUTORIALS	Heo, I. , & van de Schoot, R. (2020). Tutorial: Advanced Bayesian regression in jamovi. <i>Zenodo</i> . https://doi.org/10.5281/zenodo.4117883	
	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	
	Heo, I. , & van de Schoot, R. (2020). Tutorial: jamovi for beginners. <i>Zenodo</i> . https://doi.org/10.5281/zenodo.4008372	
	Heo, I. , & van de Schoot, R. (2020). Tutorial: WAMBS Checklist in JASP (using JAGS). <i>Zenodo</i> . https://doi.org/10.5281/zenodo.4001365	
	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	
	Heo, I. , & van de Schoot, R. (2020). Tutorial: Advanced Bayesian regression in JASP. <i>Zenodo</i> . https://doi.org/10.5281/zenodo.3991325	
	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	

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>

TEACHING
EXPERIENCE

Lab Instructor

Department of Psychological Sciences, University of California, Merced

- Analysis of Psychological Data Fall 2021 - Spring 2022
 An undergraduate-level course for psychology major students
 Taught research design, measurement, data visualization, probability theory, statistical inference, hypothesis testing, z-test, t-test, ANOVA, correlation, regression, and metascience
 Proctored exams

Lab Assistant

Department of Methodology and Statistics, Utrecht University

- Introduction to Structural Equation Modeling using *Mplus* Summer 2021
 A graduate-level course for applied researchers
 Helped *Mplus* practicals about regression analysis, exploratory/confirmatory factor analysis, measurement invariance, comparison of nested models, mediation analysis, moderation analysis, cross-lagged panel model, and random intercept cross-lagged panel model
 Provided statistical consultation to applied researchers
- Advanced Course on using *Mplus* Summer 2021
 A graduate-level course for applied researchers
 Helped *Mplus* practicals about latent growth model, latent growth mixture model, latent class analysis, latent class growth analysis, growth mixture model, latent transition analysis (aka. hidden Markov model), quasi-simplex model, random intercept cross-lagged panel model, autoregressive latent trajectory model, latent curve model with structured residuals, and dynamic structural equation modeling

Workgroup Instructor

Department of Methodology and Statistics, Utrecht University

- Advanced Research Methods and Statistics for Psychology Spring 2020
 An advanced undergraduate-level course for clinical psychology major students
 Led critical evaluation of the research methods and statistics for articles published in journals
 Taught validity, multiple linear regression, ANOVA, ANCOVA, repeated measures/mixed design, and mediation/moderation analysis
 Proctored final exam

Teaching Assistant

SKK Graduate School of Business, Sungkyunkwan University

- Social Marketing Fall 2018
 A graduate-level course for full-time and professional MBA students
 Prepared teaching materials, proctored final exam, and graded answer sheets

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