

Ihnwhi Heo

iheo2@ucmerced.edu

<https://ihnwhiheo.github.io>

EDUCATION	University of California, Merced, USA	May 2026
	Ph.D. Student in Quantitative Methods, Measurement, and Statistics	(Expected)
	Advisors: Dr. Sarah Depaoli and Dr. Fan Jia	
	Utrecht University, The Netherlands	July 2021
	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)	
	Sungkyunkwan University, South Korea	August 2019
	B.A. in Psychology, <i>Highest Honors</i>	
	Project: "The Paradox in Goal Pursuit: Preference Reversal When Means Justifies Ends"	
HONORS AND AWARDS	Graduate Student Opportunity Program Fellowship	2022-2023
	Graduate Dean, University of California, Merced	
	Summer Support Award	2022
	Department of Psychological Sciences, University of California, Merced	
	Development Support Award	2021
	Department of Psychological Sciences, University of California, Merced	
	Graduation with Distinction	2021
	Department of Methodology and Statistics, Utrecht University	
	Utrecht Excellence Scholarship	2020
	President of Utrecht University	
	Scholarship for the GESIS Summer School in Survey Methodology	2020
	European Survey Research Association	
	Utrecht Excellence Scholarship	2019
	President of Utrecht University	
	Presidential Award for Best Scholarly Achievement	2019
	President of Sungkyunkwan University	
	Graduation with Highest Honors	2019
	College of Social Sciences, Sungkyunkwan University	
	Best Undergraduate Research Project Award	2018
	Department of Psychology, Sungkyunkwan University	
	Alumni Scholarship for Students with Research Potential	2018
	Department of Psychology, Sungkyunkwan University	
	Academic Excellence Scholarship	2018
	Department of Psychology, Sungkyunkwan University	
	Distinguished Academic Achievement Scholarship	2018
	Student Affairs Division, Sungkyunkwan University	
	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	<p>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.</p> <p>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.</p>
TALKS	<p>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.</p> <p>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.</p> <p>Simons, J.-W., Nieuwenweg, B., & Heo, I. (2020, May 28th). <i>I used to think my small sample was a tragedy, but now I realize it has a remedy!</i> [Canceled due to COVID-19]. 2020 Utrecht University Poster Fair, Utrecht University, Utrecht, The Netherlands.</p> <p>Heo, I. (2018, November 9). <i>The paradox in goal pursuit: Preference reversal when means justifies ends</i>. Departmental Research Presentation, Department of Psychology, Sungkyunkwan University, Seoul, South Korea.</p>
TUTORIALS	<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>

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

Psi Chi Graduate Panel - Quantitative Area

2021

Department of Psychological Sciences, University of California, Merced

SKILLS

Statistical Software

R, Markdown, Stan, JAGS, WinBUGS, JASP, jamovi, SPSS, Git, *Mplus*, HLM, Qualtrics, \LaTeX

Language

Korean, English, Dutch

RELEVANT
COURSEWORK

University of California, Merced

Advanced Psychological Statistics I
Item Response Theory
Structural Equation Modeling

Utrecht University

Survey Data Analysis
Mathematical Statistics
Psychometrics
Bayesian Statistics
Meta-Analysis
Machine Learning with R
Generalized Linear Models

Sungkyunkwan University

Research Methods in Social Sciences
Linear Algebra
Psychological Testing and Measurement
Advanced Psychological Statistics

Advanced Psychological Statistics II
Research Design and Methodology
Bayesian Data Analysis

Multivariate Statistics
Computational Inference with R
Multilevel and Structural Equation Modeling
Biomedical Statistics
Calculus
Markup Languages and Reproducible Programming
Network Analysis

Principles of Statistical Analysis
Statistical Analysis in Psychology
Theory Construction and Statistical Modeling
Multivariate Analysis