

# Ihnwhi Heo

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<https://ihnwhiheo.github.io>

EDUCATION	<b>University of California, Merced, USA</b>	May 2026
	Ph.D. Student in <a href="#">Quantitative Methods, Measurement, and Statistics</a>	(Expected)
	Advisors: Dr. <a href="#">Sarah Depaoli</a> and Dr. <a href="#">Fan Jia</a>	
	<b>Utrecht University, The Netherlands</b>	July 2021
	M.Sc. in <a href="#">Methodology and Statistics</a> , <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. <a href="#">Eric-Jan Wagenmakers</a> (University of Amsterdam)	
	<b>Sungkyunkwan University, South Korea</b>	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	<b>Graduate Student Opportunity Program Fellowship</b>	2022-2023
	Graduate Dean, University of California, Merced	
	<b>Summer Support Award</b>	2022
	Department of Psychological Sciences, University of California, Merced	
	<b>Development Support Award</b>	2021
	Department of Psychological Sciences, University of California, Merced	
	<b>Graduation with Distinction</b>	2021
	Department of Methodology and Statistics, Utrecht University	
	<b>Utrecht Excellence Scholarship</b>	2020
	President of Utrecht University	
	<b>Scholarship for the GESIS Summer School in Survey Methodology</b>	2020
	European Survey Research Association	
	<b>Utrecht Excellence Scholarship</b>	2019
	President of Utrecht University	
	<b>Presidential Award for Best Scholarly Achievement</b>	2019
	President of Sungkyunkwan University	
	<b>Graduation with Highest Honors</b>	2019
	College of Social Sciences, Sungkyunkwan University	
	<b>Best Undergraduate Research Project Award</b>	2018
	Department of Psychology, Sungkyunkwan University	
	<b>Alumni Scholarship for Students with Research Potential</b>	2018
	Department of Psychology, Sungkyunkwan University	
	<b>Academic Excellence Scholarship</b>	2018
	Department of Psychology, Sungkyunkwan University	
	<b>Distinguished Academic Achievement Scholarship</b>	2018
	Student Affairs Division, Sungkyunkwan University	
	<b>Academic Excellence Scholarship</b>	2017
	Department of Psychology, Sungkyunkwan University	

	<b>Academic Excellence Scholarship</b>	2016
	Department of Psychology, Sungkyunkwan University	
	<b>Academic Excellence Scholarship</b>	2016
	University College, Sungkyunkwan University	
UNDER REVIEW	Liu, R., <b>Heo, I.</b> , Shi, D., & Jiang, Z. (Under Review). Applying negative binomial distribution in diagnostic classification models for analyzing count data.	
CONFERENCE PRESENTATIONS	<p><b>Heo, I.</b>, Jia, F., &amp; 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., <b>Heo, I.</b>, Liu, H., Shi, D., &amp; 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><b>Heo, I.</b> (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><b>Heo, I.</b> (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., &amp; <b>Heo, I.</b> (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><b>Heo, I.</b> (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><b>Heo, I.</b>, &amp; van de Schoot, R. (2020). Tutorial: Advanced Bayesian regression in jamovi. <i>Zenodo</i>. <a href="https://doi.org/10.5281/zenodo.4117883">https://doi.org/10.5281/zenodo.4117883</a></p> <p><b>Heo, I.</b>, &amp; van de Schoot, R. (2020). Tutorial: jamovi for Bayesian analyses with default priors. <i>Zenodo</i>. <a href="https://doi.org/10.5281/zenodo.4117881">https://doi.org/10.5281/zenodo.4117881</a></p> <p><b>Heo, I.</b>, &amp; van de Schoot, R. (2020). Tutorial: jamovi for beginners. <i>Zenodo</i>. <a href="https://doi.org/10.5281/zenodo.4008372">https://doi.org/10.5281/zenodo.4008372</a></p> <p><b>Heo, I.</b>, &amp; van de Schoot, R. (2020). Tutorial: WAMBS Checklist in JASP (using JAGS). <i>Zenodo</i>. <a href="https://doi.org/10.5281/zenodo.4001365">https://doi.org/10.5281/zenodo.4001365</a></p> <p><b>Heo, I.</b>, &amp; van de Schoot, R. (2020). Tutorial: JASP for Bayesian analyses with informative priors (using JAGS). <i>Zenodo</i>. <a href="https://doi.org/10.5281/zenodo.4032756">https://doi.org/10.5281/zenodo.4032756</a></p> <p><b>Heo, I.</b>, &amp; van de Schoot, R. (2020). Tutorial: Advanced Bayesian regression in JASP. <i>Zenodo</i>. <a href="https://doi.org/10.5281/zenodo.3991325">https://doi.org/10.5281/zenodo.3991325</a></p> <p><b>Heo, I.</b>, Veen, D., &amp; van de Schoot, R. (2020). Tutorial: JASP for Bayesian analyses with default priors. <i>Zenodo</i>. <a href="https://doi.org/10.5281/zenodo.4008338">https://doi.org/10.5281/zenodo.4008338</a></p> <p><b>Heo, I.</b>, Veen, D., &amp; van de Schoot, R. (2020). Tutorial: JASP for beginners. <i>Zenodo</i>. <a href="https://doi.org/10.5281/zenodo.4008279">https://doi.org/10.5281/zenodo.4008279</a></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,  $\text{\LaTeX}$

**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