# Ihnwhi Heo

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https://ihnwhiheo.github.io

## 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 — July 2021
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. Dr. Eric-Jan Wagenmakers (University of Amsterdam)

**Sungkyunkwan University**, South Korea — August 2019
B.A. in Psychology, *Highest Honors*
Project: "The Paradox in Goal Pursuit: Preference Reversal When Means Justifies Ends"

## Honors and Awards

**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

## Tutorials

**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

## Presentations

**Heo, I.** (2021, October). *Bayesian multi-model inference in structural equation models with bridge sampling*. Presentation for the University of California, Merced Quantitative Methods, Measurement, and Statistics Brownbag Series

## 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 variables, data visualization, central tendency, variability, probability, central limit theorem, hypothesis testing, z-test, t-test, ANOVA, correlation, and regression
  Proctored exams

**Lab Assistant**

Department of Methodology and Statistics, Utrecht University

- Introduction to Structural Equation Modeling using M*plus* — Summer 2021
  A graduate-level course for applied researchers
  Helped M*plus* 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 M*plus* — Summer 2021
  A graduate-level course for applied researchers
  Helped M*plus* 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** — 2021
Department of Psychological Sciences, University of California, Merced

## Skills

**Statitical Software**
R (RStudio, Markdown), Stan, JAGS, WinBUGS, JASP, jamovi, SPSS, Git, M*plus*, HLM, Qualtrics, LaTeX

**Language**
Korean, English, Dutch

## Relevant Coursework

**University of California, Merced**
Advanced Psychological Statistics I
Advanced Psychological Statistics II
Item Response Theory

**Utrecht University**
Survey Data Analysis
Multivariate Statistics
Mathematical Statistics
Computational Inference with R
Psychometrics
Multilevel and Structural Equation Modeling
Bayesian Statistics
Biomedical Statistics
Meta-Analysis
Calculus
Machine Learning with R
Markup Languages and Reproducible Programming
Generalized Linear Models
Network Analysis

**Sungkyunkwan University**
Research Methods in Social Sciences
Principles of Statistical Analysis
Linear Algebra
Statistical Analysis in Psychology
Psychological Testing and Measurement
Theory Construction and Statistical Modeling
Advanced Psychological Statistics
Multivariate Analysis