

Dale S. Kim

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Professional Appointments

Fixed-Term Assistant Professor

July 2022 – Present

Department of Statistics & Data Science
University of California, Los Angeles, CA

Education

Ph.D., Statistics

September 2019 – June 2022

University of California, Los Angeles, CA

Ph.D., Quantitative Psychology

September 2015 – December 2021

Minor: Computational Cognition

University of California, Los Angeles, CA

M.S., Statistics

September 2019 – June 2020

University of California, Los Angeles, CA

M.A., Quantitative Psychology

September 2015 – June 2019

University of California, Los Angeles, CA

B.S., Psychology

January 2011 - June 2014

Concentration: Mathematics and Statistics

University of Washington, Seattle, WA

Research Publications

Kim, D.S., Lu, A., & Zhou, Q. (2025+). The Correlation Thresholding Algorithm for exploratory factor analysis. *Structural Equation Modeling: A Multidisciplinary Journal*.
<https://doi.org/10.1080/10705511.2025.2512350>

Kim, D.S. (2025+). A hybrid EM algorithm for linear two-way interactions with missing data. *Journal of Educational and Behavioral Statistics*. <https://doi.org/10.3102/10769986241304015>

Kim, D. S., & Zhou, Q. (2023). Structure learning of latent factors via clique search on correlation thresholded graphs. *Proceedings of the 40th International Conference on Machine Learning*.
<https://proceedings.mlr.press/v202/kim23aa.html>

Kim, D. S., & McCabe, C. J. (2022). The partial derivative framework for substantive regression effects. *Psychological Methods*, 27(1), 121–141. <https://doi.org/10.1037/met0000440>

McCabe, C. J., Halvorson, M. A., King, K. M., Cao, X., & **Kim, D. S.** (2022). Interpreting interaction effects in generalized linear models of nonlinear probabilities and counts. *Multivariate Behavioral Research*, 57(2–3), 243–263. <https://doi.org/10.1080/00273171.2020.1868966>

Halvorson, M. A., McCabe, C. J., **Kim, D. S.**, Cao, X., & King, K. M. (2022). Making sense of some odd ratios: A tutorial and improvements to present practices in reporting and visualizing quantities of interest for binary and count outcome models. *Psychology of Addictive Behaviors*, 36(3), 284–295. <https://doi.org/10.1037/adb0000669>

McCabe, C. J., **Kim, D. S.** & King, K. M. (2018). Improving present practices in the visual display of interactions. *Advances in Methods and Practices in Psychological Science*, 1(2), 147-165. <https://doi.org/10.1177/2515245917746792>

King, K. M., **Kim, D. S.** & McCabe, C. J. (2018). Random responses inflate statistical estimates in heavily skewed addictions data. *Drug and Alcohol Dependence*, 183, 102-110. <https://doi.org/10.1016/j.drugalcdep.2017.10.033>

Kim, D. S., Reise, S. P. & Bentler, P. M. (2018). Identifying aberrant data in structural equation models with IRLS-ADF. *Structural Equation Modeling: A Multidisciplinary Journal*, 24(3), 343-358. <https://doi.org/10.1080/10705511.2017.1379881>

Kim, D. S., McCabe, C. J., Yamasaki, B. L., Louie, K. A. & King, K. M. (2018). Detecting careless responders with infrequency scales using an error balancing threshold. *Behavior Research Methods*, 50(5), 1960-1970. <https://doi.org/10.3758/s13428-017-0964-9>

Reise, S. P., **Kim, D. S.**, Mansolf, M. & Widaman, K. F. (2016). Is the bifactor model a better model or is it just better at modeling implausible responses? Application of iteratively reweighted least squares to the Rosenberg Self-Esteem Scale. *Multivariate Behavioral Research*, 51(6), 818-838. <https://doi.org/10.1080/00273171.2016.1243461>

Conference Presentations

Kim, D. S., & Zhou, Q. (2023). *Structure learning of latent factors via clique search on correlation thresholded graphs*. Presented at the 40th International Conference on Machine Learning. Honolulu, Hawaii, United States.

Kim, D.S., McCabe, C. J., King, K. M. & Reise, S. P. (2017). *Count Models for Alcohol Consumption: Selecting Between Sampling and Structural Zero Hypotheses*. Presented at the 40th Annual Research Society on Alcoholism Scientific Meeting. Denver, Colorado, United States.

Kim, D.S. & Flaherty, B.P. (2013). *Associations between Smoking Categories and Related Characteristics across Demographic Groups*. Presented at the Washington State Joint Conference on Health. Wenatchee, Washington, United States.

Kim, D.S. & Flaherty, B.P. (2013). *Approaches to Identifying Tobacco Use Patterns*. Presented at the 16th Annual University of Washington Undergraduate Research Symposium. Seattle, Washington, United States.

Fellowships and Awards

Pathway to Independence Award, R00-AA030052, NIH/NIAAA

Machine Learning methods of identifying person-level mechanisms of alcohol use among sexual and gender minority intersections

Role: Statistical Consultant (2024-2027, ≈ \$726,700)

Distinguished University Fellowship, UCLA (2021 – 2022, ≈ \$1,500)

Distinguished University Fellowship, UCLA (2016 - 2017), > \$1,000)

Distinguished University Fellowship, UCLA (2015 - 2016), ≈ \$45,000)

Academic Service

Ad-hoc Reviewer

- American Psychologist
- Assessment
- BMC Medical Research Methodology
- Journal of Abnormal Psychology
- Journal of Computational and Graphical Statistics
- Journal of the American Statistical Association
- Psychological Methods
- Scientific Reports