# NANA KIM

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## EDUCATION

PhD, University of Wisconsin-Madison, Educational Psychology (Quantitative Methods)　　2022
　　　Minor: Statistics, Advisor: Daniel M. Bolt

MA, Yonsei University, Education (Measurement and Quantitative Methods)　　2016

BA, Yonsei University, Education　　2014

## PROFESSIONAL EXPERIENCE

Assistant Professor, Quantitative Methods in Education, Department of Educational
　　　Psychology, University of Minnesota, Twin-Cities　　2022 - present

## HONORS & AWARDS

Poster Award, Psychometric Society　　2018

## PUBLICATIONS

Kim, N., & Bolt, D. M. (submitted). Evaluating psychometric differences across fast and slow responses in rating scale measurement.

Kim, N., Bolt, D. M., & Wollack, J. (2022). Noncompensatory MIRT for passage-based tests. *Psychometrika, 87*. https://doi.org/10.1007/s11336-021-09826-6

Kim, N., & Bolt, D. M. (2021). A mixture IRTree model for extreme response style: Accounting for response process uncertainty. *Educational and Psychological Measurement, 81*(1), 131–154. https://doi.org/10.1177/0013164420913915

Bolt, D. M., Kim, N., Wollack, J., Pan, Y., Eckerly, C., & Sowles, J. (2020). A psychometric model for discrete-option multiple-choice items. *Applied Psychological Measurement, 44*(1), 33–48. https://doi.org/10.1177/0146621619835499

Kim, N., Bolt, D.M., Wollack, J., Pan, Y., Eckerly, C., & Sowles, J. (2019). Modeling Examinee Heterogeneity in Discrete Option Multiple Choice Items. In Wiberg, M., Culpepper, S., Janssen, R., González, J., & Molenaar, D. (Eds.), *Quantitative Psychology: 83rd Annual Meeting of the Psychometric Society, New York, NY, 2018* (pp. 383-392). New York: Springer. https://doi.org/10.1007/978-3-030-01310-3_33

Kim, N., Lee, G., & Kang, S.-J. (2017). A bifactor MIRT approach to estimating the reliability of test scores composed of testlets. *Journal of Educational Evaluation [Korean Citation Index (KCI) Journal], 30*(1), 75-99.

## CONFERENCE PRESENTATIONS

Kim, N., & Bolt, D. M. (2022, April). *Understanding response process heterogeneity across fast and slow responses in noncognitive tests* [Paper presentation]. The annual meeting of the National Council on Measurement in Education (NCME), San Diego, CA, United States.

Kim, N., & Bolt, D. M. (2021, July). *On the use of response times to improve estimation of response*

*styles* [Paper presentation]. The annual International Meetings of the Psychometric Society (IMPS). Virtual.

Kim, N., & Bolt, D. M. (2020, July). *Evaluating a non-compensatory MIRT model for passage-based tests* [Paper presentation]. The annual International Meetings of the Psychometric Society (IMPS). Virtual.

Kim, N., & Bolt, D. M. (2019, July*). Evaluating competing multiprocess IRT tree models in studies of response style* [Paper presentation]. The annual International Meeting of the Psychometric Society (IMPS), Santiago, Chile.

Kim, N., Bolt, D. M., Wollack, J., Pan, Y., Eckerly, C., & Sowles, J. (2018, July). *An item response model for discrete options multiple-choice items* [Poster presentation]. The annual International Meeting of the Psychometric Society (IMPS), New York, NY, United States.

Kim, N., & Kim, Y. (2018, April). *The role of parents and teachers in the development of students' mathematics self-efficacy* [Paper presentation]. The annual meeting of the American Educational Research Association (AERA), New York, NY, United States.

Kim, N., & Lee, G. (2016, April). *IRT approach to estimating the reliability of testlet composed test scores* [Poster presentation]. The annual meeting of the National Council on Measurement in Education (NCME), Washington, DC, United States.

Kim, N., Kang, H., & Lee, G. (2015, July). *Generalizability theory approaches to estimating reliability of testlet-based test with balanced and unbalanced data* [Poster presentation]. The annual International Meeting of the Psychometric Society (IMPS), Beijing, China.

## TEACHING

EPSY 5221: Principles of Educational and Psychological Measurement (Fall 2022)
EPSY 8265: Factor Analysis (Fall 2022)

## SERVICE

***Department of Educational Psychology, University of Minnesota***
Member, Diversity Committee                                                                                    2022

***Professional Organizations***
IMPS Conference Committee                                                                                2019-2021

***Guest Review***
Educational and Psychological Measurement
Psychometrika
Applied Psychological Measurement
Journal of Educational and Behavioral Statistics

Reviewed proposals for National Council on Measurement in Education (NCME) annual meeting, 2022