Youngsoon Kang

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Personal Profile

I am a PhD candidate in Educational Psychology at the University of Minnesota. I am interested in applications of various statistical models to measure non-cognitive development of students in K-12 education.

Education

2013-2021   Ph.D. in Educational Psychology - University of Minnesota

Quantitative Methods in Education

2011-2013   M.A. in Organizational Leadership, Policy, and Development - University of Minnesota

Human Resource Development

2006-2010   B.Ed. in Geography Education - Korea University

Employment History

Jan 2019 - Aug 2020   Individual Growth and Development Indicators (IGDIs) Lab, University of Minnesota
Graduate Research Assistant

- Being responsible for data management including data cleaning, organizing, documenting, and forensic

- Conduct quantitative analyses applying statistical and measurement models such as hierarchical linear modeling (HLM) and item response theory (IRT)

Mat 2015 - Aug 2020   Minnesota Youth Development Research Group, University of Minnesota
Graduate Researcher

- Conducted psychometric evaluation of Social-Emotional Learning (SEL) measures using multidimensional item response theory models (i.e., confirmatory bi-factor models)

Jan 2014 - Jan 2019   Institute on Community Integration (ICI), University of Minnesota
Graduate Research Assistant

- Evaluated psychometric properties of the National Core Indicators Adult Consumer Survey (NCI- ACS) using item response theory (IRT) collaborating with Human Services Research Institute (HSRI)

May 2015 - Aug 2015   Educational Equity Resource Center, University of Minnesota
Graduate Research Assistant

- Developed on-line map of the University of Minnesota research and programs addressing educational equity and serving PreK-12 educators and students

Publications

Kang, Y., Nord, D., Nye-Lengerman, K. (2019). Impact of Different Types of Disability and Support on Weekly Wage: A Quantile Regression Approach. Journal of Rehabilitation, 85(1), 4-14.

Van Boekel, M., Bulut, O., Stanke, L., Zamora, J. R. P, Jang, Y., Kang, Y., Nickodem, K. (2016). Effects of participation in school sports on academic and social functioning. Journal of Applied Developmental Psychology, 46, 31-40.

Manuscripts in Progress

Kang, Y., Ticha, R., Qian, X. Evaluation of Social Interpersonal Relationship Sub-domain of the National Core Indicators Adult Consumer Survey (NCI-ACS) Using Item Response Theory."

Kang, Y. Rodriguez, M. evaluation of social emotional learning (SEL) measures: Application and comparison of polytomous multidimensional item response theory (MIRT) models."

Wackerle-Hollman, A., Hojnoski, R., Missall, K., Rodriguez, M., Kang, Y., Kristin, R. Time or Not To Time: Eects of Timing on Assessment of Language and Early Literacy with Preschoolers."

Paper Presentations

Kang, Y. Ticha, R. (2019, June). Psychometric Evaluation of the National Core Indicators Adult Consumer Survey (NCI-ACS) Using Item Response Theory. Paper presented at the annual meeting of the American Association of Intellectual and Developmental Disabilities, Minneapolis, MN.

Kang, Y., Rodriguez, M., Vue, K. (2019, April). Psychometric evaluation of social emotional learning measures: Applying multidimensional IRT. Paper presented at the annual meeting of the National Council of Measurement in Education, Toronto, ON, Canada.

Kang, Y., Nickodem, K., Mang Han, S., Smith, M., Rodriguez, M.C. (2019, April). Intensity and breadth of OST activity participation: Connecting latent classes, student characteristics, and educational outcomes. Paper presented at the annual meeting of the American Educational Research Association, Toronto, ON, Canada.

Smith, M., Kang, Y., Vue, K., Miranda, A., Rodriguez, M.C. (2019, April). Investigating internal structure of social emotional learning measures: A bifactor approach. Paper presented at the annual meeting of the National Council of Measurement in Education, Toronto, ON, Canada.

Rodriguez, M.C., Dosedel, M., Kang, Y., (2019, April). Validation of Social and Emotional Learning Measures in Inequitable Settings. Paper presented at the annual meeting of the National Council of Measurement in Education, Toronto, ON, Canada.

Kang, Y. (2018, July). Psychometric Evaluation of the National Core Indicators Adult Consumer Survey (NCI-ACS) Using Item Response Theory. Paper presented at the annual meeting of the International Test Commission Conference, Montreal, Canada.

Davison, M. L., Davenport Jr, E. C., Zopluoglu, C., Kang, Y., Culpepper, S. A. Dimensionality as it Relates to Primary Latent Factors, Sub-scores, and Item Parcels. Paper presented during the symposium at the annual meeting of the National Council of Measurement in Education, New York, NY.

Kang, Y., Smith, M., Ersan, O., Rodriguez, M.C. (April, 2018). A pathway to resilience for students who experience trauma: A structural equation modeling approach. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.

Palma, J., Bulut, O., Kang, Y.. (April, 2018). Measurement invariance in noncognitive measures: Validity approach using explanatory item response modeling. Paper presented at the annual meeting of the National Council of Measurement in Education, New York, NY.

Kang, Y., Van Boekel, M., Bulut, O., Nickodem, K., Palma, J., Vue, K., Jang, YJ., Rodriguez, M.C. Interaction Among Gender, Race/Ethnicity, and School Sports Participation in Youth Devel- opment. Paper presented at the annual meeting of the American Educational Research Association, San Antonio, April 2017

Kang, Y., Rodriguez, M.C., Vue, K. Jang, YJ. Exploring American Indian Students' Non- response to Educational Goals Paper presented at the Society for the Psychological Study of Social Issues (SPSSI), Minneapolis, Minnesota, June 2016

Davenport Jr, E. C., Kang, Y., Park, J. Level and Pattern Relationships: Beyond Profile Analysis. Paper presented at the annual meeting of the American Educational Research Association, Washington D.C., April 2016

Teaching Experience

2018-2019   Hierarchical Linear Modeling [EPsy 8268], University of Minnesota

2013-2014   Methods in Data Analysis for Educational Research I [EPsy 8251], University of Minnesota

Skills

- **Statistical Software**

  R, Mplus, Tableau, SPSS, FlexMIRT

- **Languages**

  English - Proficient, *Korean* - Native

Referees

Name	Ernest C. Davenport	**Name**	Michael Rodriguez
Affilation	Dept of Edu.Psyc, UMN	**Affilation**	Dept of Educational.Psyc, UMN
Position	Associate Professor	**Position**	Professor
Contact	lqr6576@umn.edu	**Contact**	mcrdz@umn.edu

Name	Alisha Wackerle-Hollman	**Name**	Renata Ticha
Affilation	Dept of Edu.Psyc, UMN	**Affilation**	Inst on Community Integ, UMN
Position	Assistant Research Professor	**Position**	Research Associate
Contact	wacke020@umn.edu	**Contact**	tich0018@umn.edu