

# YOUNGWON KIM

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## EDUCATION

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<i>Jun 2023</i> (Expected)	<b>Ph.D., Measurement &amp; Statistics</b> College of Education, University of Washington, Seattle, WA
<i>May 2017</i>	<b>M.A., Educational Psychology</b> Specialization: Human Development, Culture, & Learning Sciences, University of Texas at Austin, Austin, TX
<i>Feb 2011</i>	<b>B.A., International &amp; Area Studies, Counseling Psychology, &amp; Social Welfare</b> Handong Global University, Pohang-si, Gyeongbuk, South Korea

## OVERVIEW

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My methodological interest is focused on the intersection between latent variable models and machine learning algorithms, and my substantive interests center on how these methodologies can promote data-driven educational policy and practice. I am skilled in a variety of statistical modeling approaches for small- and large-scale data, including item response theory, multilevel, structural equation, social network, and time series modeling. Further, I am experienced in data visualization, machine learning methods, and analytic programming using mostly *R*, *Python*, and *Tableau*. Other software includes *SPSS*, *MPlus*, *HLM*, *Stata*, *SAS*, and *SQL*.

## AWARDS/HONORS

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<i>2019</i>	Young Researcher Award, Korean-American Educational Research Association (KAERA)
<i>2015 – 2021</i>	OTEFE Foundation Scholarship, OTEFE Foundation, Inc.

## RESEARCH EXPERIENCE

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<i>Aug 2022 – Present</i> <i>Jun 2019 – Jun 2022</i> <i>Statistical Consultant</i>	<b>Center for Social Science Computation and Research, University of Washington, Seattle, WA</b> <ul style="list-style-type: none"><li>Statistical and programming consulting services to students and faculty from across UW Seattle campus</li><li>Guidance on research designs, data cleaning, data analysis, and use of data analysis and visualization software (<i>Mplus</i>, <i>Python</i>, <i>R</i>, <i>SPSS</i>, and <i>Tableau</i>)</li><li>Remote synchronous and asynchronous workshops on <i>R</i> and <i>SPSS</i></li></ul>
<i>Jun 2022– Aug 2022</i> <i>Research Intern</i>	<b>Human Services Division - Education Systems Program Area, American Institutes for Research (AIR), Arlington, VA</b> <ul style="list-style-type: none"><li>Developed a school-level social vulnerability index for the CEE (COVID-19 and Equity in Education) projects</li><li>Participated in AIR Hackthon using the CEE longitudinal database and 2022 Summer Intern Expo</li></ul>
<i>May 2018 – Jun 2022</i> <i>Research Assistant</i>	<b>Project on Asian International Graduate Students' Professional Development and Psychological Well-Being, Texas A&amp;M University, College Station, TX (Dr. Koo)</b> <ul style="list-style-type: none"><li>Interviewed international graduate students and transcribe the interviews</li><li>Coded and analyzed transcripts on the usage of social media, language proficiency, academic achievement, career development, social support, mental and physical health issues of international students</li><li>Contributed to writing proposals for conference presentations and manuscripts for publication</li></ul>

## RESEARCH EXPERIENCE (Cont'd)

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- Mar 2020 – Dec 2020* **Teacher Workforce Project, University of Washington, Seattle, WA** (Drs. Elfers and Plecki)  
*Research Assistant*
- Co-designed and implemented statistical models to examine the teacher workforce in Washington State with respect to teacher retention and mobility
  - Co-authored results for presentation, white paper, and publication
- Jul 2018 – Sep 2018* **Health Sciences Library, University of Washington, Seattle, WA** (Dr. Dong)  
*Data Wrangler*
- Performed data cleaning and created dashboards for National Network of Libraries of Medicine (NNLM)
  - Created *R* functions to automate data-cleaning processes
- Feb 2015 – Aug 2017* **Higher Education Learning and Persistence Lab, College of Education, University of Texas at Austin, Austin, TX** (Dr. Fong)  
*Research Assistant*
- Collected documents and coded data for meta-analyses on psychosocial factors and critical thinking of community college students
  - Conducted meta-analyses to examine growth- and fixed-mindset profiles and associations with stress, need satisfaction, coping strategies, fear of failure

## TEACHING EXPERIENCE

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- Sep 2021 – Dec 2021* **EDPSY 576: Multilevel Modeling, College of Education, University of Washington, Seattle, WA** (Dr. Sanders)  
*Computing Assistant*
- Assisted class management (20+ graduate students) and explained analysis and interpretation of multilevel models using *R*
- July 2020 & 2021* **Online Summer Workshop on Applied Statistics, Handong Global University, South Korea**  
*Instructor*
- Provided 30+ undergraduate and graduate students with the online workshop on statistical knowledge and research design using *R* and *SPSS*
- Apr 2019 – Jun 2019* **PSYCH 315: Understanding Statistics in Psychology, Department of Psychology, University of Washington, Seattle, WA** (Dr. Nelson)  
*Teaching Assistant*
- Led two labs of 25+ undergraduate students and lectured on statistics using statistical concepts, analysis, and interpretation using *SPSS* and *R*
  - Held office hours, facilitated class discussion, and graded students' exams
- Sep 2018 – Mar 2019* **PSYCH 209: Fundamentals of Psychological Research, Department of Psychology, University of Washington, Seattle, WA** (Drs. Culligan, Passer)  
*Teaching Assistant*
- Created exam questions, proctored exams, and graded them
  - Led two labs of 25+ undergraduate students and lectured on research design
  - Evaluated student's work, providing substantial written and oral feedback
- Sep 2017 – Dec 2017* **EDPSY 302: Child Development and Learning, College of Education, University of Washington, Seattle, WA** (Dr. Newman)  
*Reader/Grader*
- Graded assignments including detailed feedback and scored exams
  - Assisted class management (120+ undergraduate students) and explained development psychology concepts in classroom contexts
- Jan 2017 – May 2017* **SDS 332: Statistical Models for the Health and Behavioral Sciences, Department of Statistics and Data Sciences, University of Texas at Austin, Austin, TX** (Dr. Manheimer)  
*Teaching Assistant*
- Facilitated class discussions (120+ undergraduate students) as needed
  - Monitored and taught via website, email, office hours, and in classroom
  - Taught how to analyze data with *SAS* and graded assignments and exams

## TEACHING EXPERIENCE (Cont'd)

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Sep 2015 - Dec 2015 **MKT282: Marketing Analytics & Applications, McComb School of Business, University of Texas at Austin, Austin, TX** (Dr. Terhofstede)

- Teaching Assistant
- Provided statistical advice to 70+ MBA students via website and email to understand how marketing models can enhance decision making
  - Evaluated student work, providing substantial written feedback

## PUBLICATIONS

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### Peer-reviewed articles

- Koo, K., **Kim, Y. W.**, Lee, Y., & Rodriquez, S. (under review). What does it mean to be an Asian in a pandemic? Exploring experiences of racism and discrimination among Asian international students in the United States during COVID-19. *Journal of Counseling Psychology*.
- Elfers, A., Plecki, M., **Kim, Y. W.**, & Bei, N. (2022). How retention and mobility rates differ for teachers of color? *Teachers and Teaching*, 1-18. <https://doi.org/10.1080/13540602.2022.2098271>
- Fong, C. J., Schallert, D. L., Williams, K. M., Williamson, Z. H., Lin, S., Chen, L., & **Kim, Y. W.** (2021). Making feedback constructive: The interplay of undergraduates' mastery goal orientation with feedback specificity and friendliness. *Educational Psychology*, 1-19. <https://doi.org/10.1080/01443410.2021.1951671>
- Koo, K., **Kim, Y. W.**, Lee, Y., & Nyunt, G. (2021). "It's my fault": Exploring experiences and mental wellness among Korean international graduate students. *Journal of International Students*, 11(4), 790-811. <https://doi.org/10.32674/jis.v11i4.2801>
- Fong, C. J. & **Kim, Y. W.** (2019). A clash of constructs? Re-examining grit in light of academic buoyancy and future time perspective. *Current Psychology*, 40(4), 1824-1837. <https://doi.org/10.1007/s12144-018-0120-4>
- Fong, C. J., Schallert, D. S., Williams, K. M., Williamson, Z. H., Warner, J. R., Lin, S., & **Kim, Y. W.** (2018). When feedback signals failure but offers hope for improvement: A process model of constructive criticism. *Thinking Skills and Creativity*, 30, 42-53. <https://doi.org/10.1016/j.tsc.2018.02.014>
- Fong, C. J., Williams, K. M., Williamson, Z. H., Lin, S., **Kim, Y. W.**, & Schallert, D. L. (2018). "Inside out": Student appraisals for achievement emotions regarding constructive criticism, positive feedback, and negative feedback on writing. *Motivation and Emotion*, 42, 236-257. <https://doi.org/10.1007/s11031-017-9658-y>
- Fong, C. J., Davis, C. W., Kim, Y., **Kim, Y. W.**, Marriott, L. A., & Kim, S. (2017). Psychosocial factors and community college student success: A meta-analytic investigation. *Review of Educational Research*, 87(2), 388-424. <http://doi.org/10.3102/0034654316653479>
- Fong, C. J., Kim, Y., Davis, C. W., Hoang, T., & **Kim, Y. W.** (2017). A meta-analysis on critical thinking and community college success. *Thinking Skills and Creativity*, 26, 71-83. <http://doi.org/10.1016/j.tsc.2017.06.002>

### Presentations

- Kim, Y.** & Sanders, E. A. (2023, April). *Exploratory Measurement Modeling with Lasso*. Paper accepted at the Annual Meeting of the National Council on Measurement in Education.
- Koo, K., Kwon, J., & **Kim, Y.** (2022, April). *Strive to survive in a pandemic in a foreign country: Korean international students' well-being during covid-19*. Paper presented for the Annual Meeting of the National Council on Measurement in Education.
- Bei, N., Sanders, E. A., Abe, N., & **Kim, Y.** (2021, June). *Measuring item process data with network analysis methods*. Paper presented at the Annual Meeting of the National Council on Measurement in Education.

### **Presentations (Cont'd)**

- Kim, Y.** (2021, April). *Understanding the role of academic achievement and psychosocial factors on adolescent depression: A latent growth model*. Paper presented at the Annual Meeting of the American Education Research Association.
- Koo, K., **Kim, Y.**, Lee, Y., & Rodriguez, S. (2021, April). *What does it mean to be an Asian in a pandemic? Exploring experiences of racism and discrimination among Asian international students in the United States during covid-19*. Paper presented at the Annual Meeting of the American Educational Research Association.
- Elfers, A., Plecki, M., **Kim, Y.**, & Bei, N. (2021, April). *Examining differences in the retention and mobility of teachers of color by racial/ethnic group*. Paper presented at the Annual Meeting of the American Educational Research Association.
- Kim, Y.** (2020, April). *Understanding the role of academic achievement and psychosocial factors on adolescent depression: A latent growth model*. Paper accepted for the Annual Meeting of the Korean-American Educational Researchers Association, San Francisco, CA. (Conference canceled)
- Koo, K., & **Kim, Y.** (2020, April). *The effectiveness of focusing art therapy on PTSD and cultural adjustment among North Korean refugee girls*. Paper accepted for the Annual Meeting of the Korean-American Educational Researchers Association, San Francisco, CA. (Conference canceled)
- Kim, Y.** (2020, April). *Executive function difficulty, self-esteem, happiness, gender, and parent's income as the predictors of digital addiction*. Paper accepted at the Annual Meeting of the American Educational Research Association, San Francisco, CA. (Conference canceled)
- Koo, K., **Kim, Y.**, Lee, Y., & Nyunt, G. (2020, April). *What makes them happy? A qualitative study on Korean international graduate students' experiences and psychological well-being*. Paper accepted at the Annual Meeting of the American Educational Research Association, San Francisco, CA. (Conference canceled)
- Kim, Y.** (2019, April). *Trajectories of parents' socioeconomic status, child-parent interaction, children's self-control, school readiness, and academic performance*. Paper presented at the Annual Meeting of the American Educational Research Association, Toronto, ON.
- Koo, K., **Kim, Y.**, & Lee, Y. (2019, April). *What makes them happy? Korean international graduate students' personal and professional experiences and emotional health*. Paper presented at the Annual Meeting of the Korean-American Educational Researchers Association, Toronto, ON.
- Koo, K., **Kim, Y.**, & Lee, Y. (2019, March). *What makes them happy? Asian international graduate students' personal and professional experiences and emotional health*. Paper presented at the Annual Meeting of the American College Personnel Association, Boston, MA.
- Fong, C. J., Davis, C., Li, D., & **Kim, Y. W.** (2017, April). *A meta-analysis of noncognitive factors and community college student success at 4-year institutions*. Paper presented at the Annual Meeting of the American Educational Research Association, San Antonio, TX.
- Fong, C. J., **Kim, Y. W.**, Lin, S., & Hoang, T. (2017, April). *Do Noncognitive Interventions Enhance Community College Student Success? A Systematic Review and Meta-Analysis*. Paper presented at the Annual Meeting of the American Educational Research Association, San Antonio, TX.
- Williamson, Z. H., Fong, C. J., Lin, S., Williams, K. M., **Kim, Y. W.**, & Schallert, D. L., (2017, April). *Self-Kindness in the Face of Criticism: Self-Compassion Influences Undergraduates' Perceptions of Constructive Feedback*. Paper presented at the Annual Meeting of the American Educational Research Association, San Antonio, TX.
- Fong, C. J., Davis, C., Li, D., **Kim, Y. W.**, & Hartman, C. E. (2016, August). *A meta-analysis of noncognitive factors and community college transfer student success at four-year institutions*. Paper presented at the Texas Higher Education Symposium, Austin, TX.

### **Presentations (Cont'd)**

- Fong, C. J., Kim, Y., Davis, C. W., **Kim, Y. W.**, Marriott, L. A., & Kim, S. (2016, April). *Psychosocial and self-regulatory correlates of community college student success: A systematic review and meta-analysis*. Paper presented at the Annual Meeting of the American Educational Research Association, Washington, D.C.
- Fong, C. J., Schallert, D. L., Williams, K. M., Williamson, Z. H., Lin, S., Chen, L., **Kim, Y. W.** (2016, April). *Making feedback constructive: The interplay of undergraduates' mastery goal orientation with feedback specificity and friendliness*. Paper presented at the Annual Meeting of the American Educational Research Association, Washington, D.C.
- Lin, S., Fong, C. J., & **Kim, Y.** (2016, April). *Make up your mind: A person-centered approach to growth and fixed mindsets among Chinese undergraduates*. Paper presented at the Chinese American Education Research & Development Association, Washington, D.C.
- Kim, Y., Fong, C. J., Davis, C. W., Hoang, T., & **Kim, Y. W.** (2016, March). *A meta-analysis on critical thinking and community college student achievement*. Paper presented at the Council for the Study of Community Colleges Annual Meeting, Plano, TX.

### **SERVICE**

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| <i>Oct 2020 – Current<br/>Ad-hoc Reviewer</i>             | <ul style="list-style-type: none"> <li>• Journal of International Students</li> </ul>  |
| <i>Oct 2022<br/>Program planning<br/>committee member</i> | <ul style="list-style-type: none"> <li>• Section 2 (Statistical theory and quantitative methodologies), Division D program planning committee meeting, AERA, Washington, D.C.</li> </ul>   |
| <i>Aug 2021 – Aug 2022<br/>Student Support Chair</i>      | <ul style="list-style-type: none"> <li>• Associated Students of the College of Education (ASCE), University of Washington, Seattle</li> </ul>  |
| <i>Aug 2021 – Aug 2022<br/>GSC Liaison</i>                | <ul style="list-style-type: none"> <li>• AERA Division D Graduate Student Committee (GSC) Liaison, American Educational Research Association, Washington, D.C.</li> </ul>  |
| <i>Apr 2021 – Jun 2021<br/>Mentor</i>                     | <ul style="list-style-type: none"> <li>• Next Generation Mentorship Program (NGMP), Office of Student Diversity and Inclusion, College of Education, University of Washington, Seattle</li> </ul>  |
| <i>Jul 2020 &amp; Apr 2021<br/>Panelist</i>               | <ul style="list-style-type: none"> <li>• Webinar: <i>Racism and racialized identities: The experience among Asian international students in the United States</i>, ACPA Commission for Global Dimensions of Student Development, Washington, D.C.</li> </ul> |
| <i>Jul 2019 – Jan 2020<br/>Student Representative</i>     | <ul style="list-style-type: none"> <li>• New Hire Search Committee, Measurement &amp; Statistics, College of Education, University of Washington, Seattle</li> </ul>   |