

# Yue Ma, Ph.D

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## Educational Background

2017-2021	Columbia University	Ph.D. in Measurement and Evaluation
2014-2017	Beijing Normal University	M.A. in Measurement and Evaluation
2010-2014	Beijing Normal University	B.A. in Education Management
2015	University of North Carolina at Greensboro	Exchange Student

## Work Experiences

2021- present	Shanghai Jiao Tong University, Shanghai, Assistant Professor
2020- present	Harvard University & Peking University, Yuanpei Young Scholars Program Mentor
2019- 2021	Center for Technology and School Change at Columbia University, New York, USA, Graduate Researcher

## Selected Publications

- [1] **Ma, Y.** (2022, accepted). The effect of inquiry-based practices on scientific literacy: The mediating role of science attitudes. *International Journal of Science and Mathematics Education*. [SSCI]
- [2] **Ma, Y.** (2022). Profiles of student attitudes toward science and its associations with gender and academic achievement. *International Journal of Science Education*, 1-20. [SSCI]
- [3] **Ma, Y.** (2021). A cross-cultural study of student self-efficacy profiles and the associated predictors and outcomes using a multigroup latent profile analysis. *Studies in Educational Evaluation*, 71, 101071. [SSCI]
- [4] **Ma, Y., & Qin, X. Y.** (2021). Measurement invariance of information, communication and technology (ICT) engagement and its relationship with student

academic literacy: Evidence from PISA 2018. *Studies in Educational Evaluation*, 68, 100982. [SSCI]

[5] **Ma, Y.** & Corter, J. E. (2019). The effect of manipulating group task orientation and support for innovation on collaborative creativity in an educational setting. *Thinking Skills and Creativity*, 33, 100587. [SSCI]

[6] **Ma, Y.** & Wei, X. (2017). A structural model of collaborative creativity in science for middle school students. *Journal of Shanghai Educational Research*, 10, 21-26 (In Chinese).

[7] **Ma, Y.** & Wei, X. (2016). Booklet design in international large-scale assessment programs. *Educational Measurement and Evaluation*, 07, 15-19 (In Chinese).

### **Chaired and Cooperative Projects**

2020-2021 Assessing students' collaborative probability problem solving ability using performance assessment: Development and use of a scoring rubric, *Dean's Grant at Teachers College, Columbia University*, PI: Yue Ma

2019-2021 Teachley problem solving assessment: Supporting teachers to assess and promote students' mathematical thinking, *Institute of Education Sciences, USA*, Main participant: Yue Ma

2019-2021 Systematic transformation of inquiry learning environment for STEM, *National Science Foundation (NSF), USA*, Participant: Yue Ma

2018-2022 Bedtime Math fun factor program, *Department of Education, USA*, Main participant: Yue Ma

2018-2019 Gender gap in mathematics achievement: A large-scale longitudinal study in Chile, *University of Chile, Chile*, Main participant: Yue Ma

### **Selected Presentations**

**Ma, Y.** & Ma, H. Profiles of Hong Kong student science attitudes and its associations with gender and science achievements. *American Educational Research Association, Virtual, April 8-12, 2021*.

Meier, E.B., Mineo, C. M., Diaz Yanez, K. G., Du, X., & **Ma, Y.** *Educational responsibility for addressing complex problems: STEM research with underserved schools. American Educational Research Association, Virtual, April 8-12, 2021.*

Winsor, S., Marcus, J., **Ma, Y.**, & Donnelly, K. Z. *The feasibility, acceptability, and effectiveness of the LoveYourBrain Yoga program on caregivers of people with traumatic brain injury. Symposium on Yoga Research, Virtual, October 19-20, 2020.*

Qin, X. Y. & **Ma, Y.** Are China's results hard to believe? A comparison of migrant and local students' mathematics performance in PISA 2018. *American Educational Research Association, Virtual, April 8-12, 2021.*

### **Honors and Scholarship**

2021	Teaching Excellence Award School of Education, Shanghai Jiao Tong University, China
2021	China National Award for Outstanding Students Abroad China Scholarship Council, Ministry of Education of China
2021	Doctoral Dissertation Grant ( <i>selection rate: 2%</i> ) Teachers College, Columbia University
2017-2020	PhD Full Fellowship ( <i>selection rate: 1%</i> ) Teachers College, Columbia University
2018-2021	International Student Scholarship Teachers College, Columbia University
2020	International Conference Award Teachers College, Columbia University
2020	Doctoral Candidate with Distinction Teachers College, Columbia University
2015	China National Scholarship ( <i>selection rate: 2%</i> ) Ministry of Education of China

### **Academic Services**

Education and Big Data

Anonymous reviewer for:  
Studies in Educational Evaluation

Computers in Education  
Frontiers in Psychology  
Social Education Research