

# 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.\*** et al. (corresponding author, 2023). The digital transformation of textbooks: Value, risk and management. *Modern Educational Technology*. (accepted). [CSSCI]
- [2] **Ma, Y.,** Z, H. L., Ni, L., & Zhou, D. (2023). Identifying collaborative problem-solver profiles based on collaborative processing time, actions and skills on a computer-based task. *International Journal of Computer-supported Collaborative Learning* (accepted). [SSCI]
- [3] Zhou, D., Liu, S., Zhou, H., Liu, J., & **Ma, Y\*** (corresponding author, 2023). The association among teacher-student relationship, subjective well-being, and academic achievement: Evidence from Chinese fourth graders and eighth graders. *Frontiers in Psychology*, 14:1097094. [SSCI]

[4] **Ma, Y.** (2022). The effect of inquiry-based practices on scientific literacy: The mediating role of science attitudes. *International Journal of Science and Mathematics Education*. [SSCI]

[5] **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]

[6] **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]

[7] **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]

[8] **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]

[9] **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*).

[10] **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**

2023-2024 The assessment and improvement of college student creative ability under the construction of New Engineering Education, *Shanghai Jiao Tong University*, PI: Yue Ma

2023-2024 The assessment of basic education assessment in Xindu District of Chengdu City, *The Educational Institute of Chengdu*, PI: Yue Ma

2022-2025 The assessment of student collaborative creative problem solving ability using big data technique, *Shanghai Pujiang Program*, PI: Yue Ma

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 (*selection rate: 2%*)  
Teachers College, Columbia University
- 2017-2020 PhD Full Fellowship (*selection rate: 1%*)  
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 (*selection rate: 2%*)  
Ministry of Education of China

## **Academic Services**

Anonymous reviewer for:  
Computers in Education  
Frontiers in Psychology  
Studies in Educational Evaluation