

Special Issue

New Advances of Intelligence Measurement in the AI Era: Theory, Methods and Applications

Message from the Guest Editors

Vast advances in general artificial intelligence have significantly impacted the field of measurement in general, and intelligence assessment in particular. These technological developments not only highlight the importance of measuring more complex cognitive constructs that are crucial in our AI-transformed society—such as executive functioning, critical thinking—but also offer unprecedented opportunities to develop innovative AI-augmented approaches for assessing human intellectual capabilities. Therefore, it is essential to disseminate advances in research that leverage AI technologies to better understand and measure human intelligence.

The focus of this Issue is new developments in psychological and educational measurement methodology and practices that integrate AI technology with rigorous measurement principles, specifically targeting the assessment of human intelligence and cognitive abilities. We encourage submissions that present theoretical work and/or empirical research related to innovative approaches to design, administer, analyze, interpret, and report assessments of cognitive function and intellectual capabilities, especially those complex cognitive constructs.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

The relatively new and ambitious *Journal of Intelligence* is devoted to the study of human intelligence. Intelligence is a fundamental core of being human, with far-ranging implications for all members of our society. Now more than ever, in a world in which most have access to the Internet, information, and misinformation, with reduced face-to-face interactions, understanding how to measure and develop human intelligence is a critical and vital mission. Human intelligence is studied from many different perspectives, for different purposes, and this journal has an open policy with respect to approaches and methodologies. We encourage submissions with the potential to innovate, show alternative perspectives, and highlight the importance of developing and measuring intelligence as well as studies on intelligence that have an impact on our lives.

Editor-in-Chief

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