

## TECHNOLOGY AND MEASUREMENT AROUND THE GLOBE

There have been tremendous advancements in technology-based assessments in new modes of data collection and the use of artificial intelligence. Traditional assessment techniques in the fields of psychology, business, education, and health need to be reconsidered. Yet, while technology is pervasive, its spread is not consistent due to national differences in economics and culture. Given these trends, this book offers an integrative consolidation of how technology is changing the face of assessments across different regions of the world. There are three major book sections: in “Foundations,” core issues of computational models, passively sensed data, and privacy concerns are discussed; in “Global Perspectives on Key Methods/Topics,” the book identifies ways technology has changed how we assess human attributes across the world; and finally, in “Regional Focus,” the book surveys how different regions around the world have adopted technology-based assessments for their unique cultural and societal context.

LOUIS TAY is William C. Byham Professor of Industrial-Organizational Psychology at Purdue University. His research interests are in psychological assessments, measurement, machine learning, and data science. He is also the founder of ExpiWell ([www.expiwell.com](http://www.expiwell.com)), a technology-based company that enables researchers to capture real-world experiences.

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EDUCATIONAL AND PSYCHOLOGICAL TESTING IN  
A GLOBAL CONTEXT

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The Educational and Psychological Testing in a Global Context series features advanced theory, research, and practice in the areas of international testing and assessment in psychology, education, counseling, organizational behavior, human resource management and all related disciplines. It aims to explore, in great depth, the national and cultural idiosyncrasies of test use and how they affect the psychometric quality of assessments and the decisions made on the basis of measures. Our hope is to contribute to the quality of measurement and to facilitate the work of professionals who must use practices or measures with which they may be unfamiliar or adapt familiar measures to a local context.

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