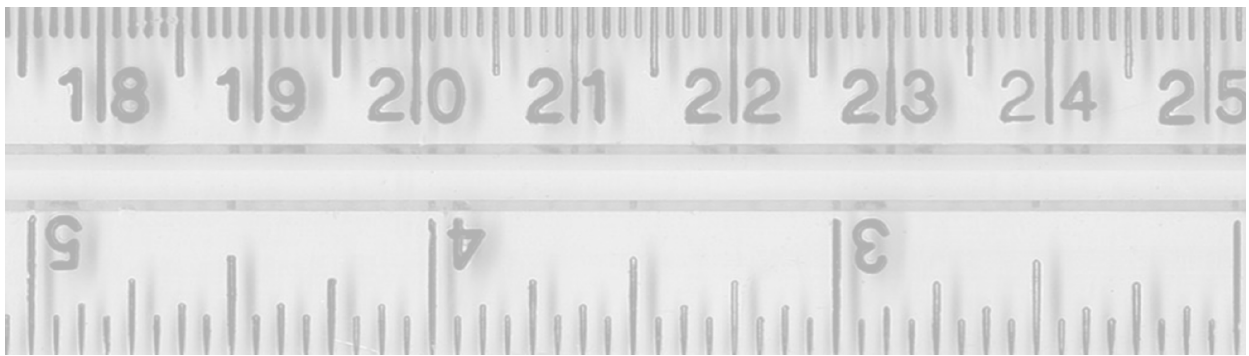
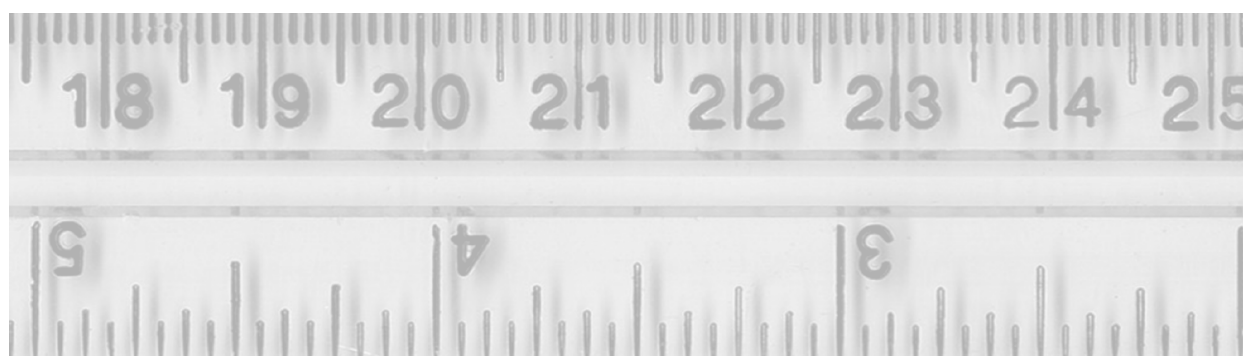


The SAGE
Handbook of
Measurement



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Handbook of
Measurement



Edited by
Geoffrey Walford,
Eric Tucker, and
Madhu Viswanathan



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Eliza Spang, a Research Associate in Learning Innovations at WestEd, graduated from Stanford University School of Education with a PhD in Curriculum and Teacher Education. While at Stanford, she was a research assistant on several research projects including 'How Does Teacher Education Make a Difference? An Exploration of the Relationship Between Teacher Education, Teacher Practices, and Student Learning', a study sponsored by the Teachers for a New Era initiative. Her research interests are science teacher education, new teacher support/induction programs, and science curriculum development. She is a former high school science teacher and mentor teacher for several beginning teachers.

Kathy Sylva is Professor of Educational Psychology at the University of Oxford, Department of Education. She has carried out many large scale studies on Early Childhood and on early literacy. A dominant theme throughout her work has been the impact of

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Madhu Viswanathan has been on the faculty at the University of Illinois, Urbana-Champaign, since 1990. His research programs are in two areas; measurement and research methodology, and literacy, poverty, and subsistence marketplace behaviors. He has authored books in both areas: *Measurement Error and Research Design* (Sage, 2005), and *Enabling Consumer and Entrepreneurial Literacy in Subsistence Marketplaces* (Springer, 2008, in alliance with UNESCO). His research program with a methodological orientation on measurement and research design paralleled many years of teaching research at all levels. It culminated in a book directed at the social sciences that provides a most detailed conceptual dissection of measurement error. This work is a striking departure from the existing literature, which emphasizes a statistical orientation without sufficient elucidation of the conceptual meaning of measurement error. His research on subsistence marketplaces takes a micro-level approach to gain bottom-up understanding of life circumstances and buyer, seller, and marketplace behaviors. This perspective aims to enable subsistence marketplaces to move toward being ecologically, economically, and socially sustainable marketplaces. His research is synergized with innovative teaching and social initiatives. He teaches courses on research methods and on sustainable product and market development for subsistence. His research is applied through the *Marketplace Literacy Project* (www.marketplaceliteracy.org), a non-profit organization that he founded and directs.

Geoffrey Walford is Professor of Education Policy and a Fellow of Green Templeton College at the University of Oxford. He has academic degrees from Oxford, Kent, London and the Open Universities, and is author of more than 150 academic articles and book chapters. His books include: *Life in Public Schools* (Methuen, 1986), *Restructuring Universities: Politics and power in the management of change* (Croom Helm, 1987), *City Technology College* (Open University Press, 1991, with Henry Miller), *Doing Educational Research* (Routledge, editor, 1991), *Choice and Equity in Education* (Cassell, 1994), *Educational Politics: Pressure groups and faith-based schools* (Avebury, 1995), *Policy, Politics and Education - sponsored grant-maintained schools and religious diversity* (Ashgate, 2000), *Doing Qualitative Educational Research* (Continuum, 2001), *Private Schooling: Tradition and diversity* (Continuum, 2005) and *Markets and Equity in Education* (Continuum, 2006). Within the Department of Education at the University of Oxford he teaches on the MSc in Educational Research Methodology, and supervises doctoral research students. He was Joint Editor of the *British Journal of Educational Studies* from 1999 to 2002, and is Editor the *Oxford Review of Education*. His research foci are the relationships

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Sang Eun Woo received her PhD in industrial/organizational psychology from the University of Illinois at Urbana-Champaign in 2009. She is now an assistant professor at Purdue University. Her research areas include personality, culture, and psychological measurement. Her recent representative publications concern measurement of various psychological constructs including achievement motivation (Personality and Individual Differences), the cognitive and motivational nature of intellectual engagement (Personality and Individual Differences), and engagement in developmental assessment centers (Personnel Psychology).

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