Rating scales, e.g., Likert scale, are very popular in social and behavioral sciences. They can be used to assess psychological attributes or preferences. This course introduces how to evaluate the psychometric properties of the measurements. This course focuses on how to assess these scales rather than on how to construct the scales in specific substantive domains. The open source R statistical platform will be used in the data analyses.

Course Outline
Introduction to scale development
- Types of rating scales
- Basic psychometric properties
- Reliability
- Validity
- Exploratory factor analysis
- Applications with R

Who Should Attend
This course is designed for individuals who would like to learn how to evaluate reliability and validity of the measurements.

Prerequisites
Participants are expected to have basic knowledge in correlation and regression analysis. Knowledge of R is not required. We will introduce R in the workshop.

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For details on schedule, course fee & registration,

Dr. Mike Cheung is an Associate Professor at the Department of Psychology, National University of Singapore (NUS). His research expertise is in the areas of meta-analysis, structural equation modeling (SEM), and multilevel modeling. He has published more than 50 papers in international journals and a book on integrating meta-analysis with SEM by Wiley. He received the Award for Excellent Researcher from the Faculty of Arts and Social Sciences, NUS at 2012. Dr. Cheung teaches undergraduate and graduate research methods and statistics at NUS. He also regularly gives workshops on statistics. His profile is available at https://goo.gl/T8QDu2.