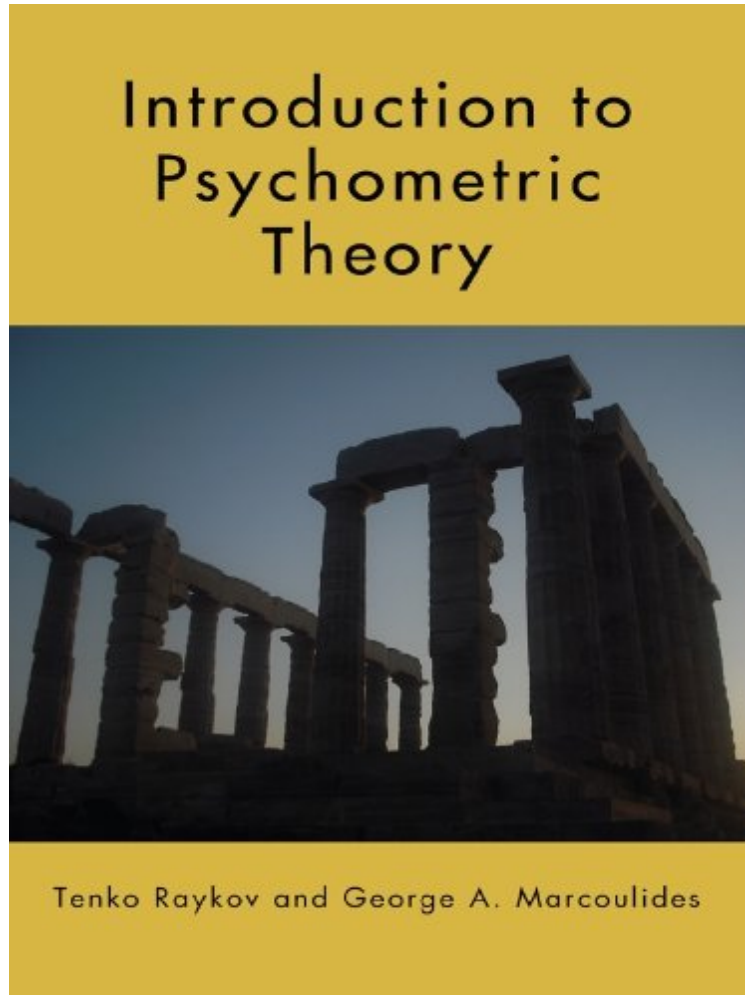


Introduction to Psychometric Theory

Tenko Raykov, George A. Marcoulides
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By Robert I used this text in a test and measurement class and was a little disappointed because the book is extremely technical. It reads like a math book. If you do not have a VERY strong background in matrix algebra and multivariate statistics (CFA and SEM in particular), you will probably not find this book very useful. The examples are provided in Mplus, which is helpful if you are familiar with the program. If you are not proficient in Mplus, you will probably struggle. Also, since it is a first edition, there are a number of small mistakes in some of the equations. Thus, even if you are mathematically savvy, you will have to keep double-checking the formulas to make sure they are accurate. If you do use this book, I would urge you to email the authors about any concerns or issues you experience because I'm sure they would appreciate the feedback for future editions.
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concerns. By Christopher D. Tenko's books are straightforward, include a good mixture of theoretical and practical concerns, and offer software package code to accompany their examples. 0 of 0 people found the following review helpful. Think twice before you buy. By CustomerWell, the book is not good compared with other psychometric books, even though they cover the same contents, but this book is much more difficult to read. I don't like this writing style at all.

This new text provides a state-of-the-art introduction to educational and psychological testing and measurement theory that reflects many intellectual developments of the past two decades. The book introduces psychometric theory using a latent variable modeling (LVM) framework and emphasizes interval estimation throughout, so as to better prepare readers for studying more advanced topics later in their careers. Featuring numerous examples, it presents an applied approach to conducting testing and measurement in the behavioral, social, and educational sciences. Readers will find numerous tips on how to use test theory in today's actual testing situations. To reflect the growing use of statistical software in psychometrics, the authors introduce the use of Mplus after the first few chapters. IBM SPSS, SAS, and R are also featured in several chapters. Software codes and associated outputs are reviewed throughout to enhance comprehension. Essentially all of the data used in the book are available on the website. In addition, instructors will find helpful PowerPoint lecture slides and questions and problems for each chapter. The authors rely on LVM when discussing fundamental concepts such as exploratory and confirmatory factor analysis, test theory, generalizability theory, reliability and validity, interval estimation, nonlinear factor analysis, generalized linear modeling, and item response theory. The varied applications make this book a valuable tool for those in the behavioral, social, educational, and biomedical disciplines, as well as in business, economics, and marketing. A brief introduction to R is also provided. Intended as a text for advanced undergraduate and/or graduate courses in psychometrics, testing and measurement, measurement theory, psychological testing, and/or educational and/or psychological measurement taught in departments of psychology, education, human development, epidemiology, business, and marketing, it will also appeal to researchers in these disciplines. Prerequisites include an introduction to statistics with exposure to regression analysis and ANOVA. Familiarity with SPSS, SAS, STATA, or R is also beneficial. As a whole, the book provides an invaluable introduction to measurement and test theory to those with limited or no familiarity with the mathematical and statistical procedures involved in measurement and testing. nbsp;