Confirmatory factor analysis for applied research

Timothy A. Brown
Confirmatory factor analysis for applied research / Timothy A. Brown.

New York ; London :: The Guilford Press,, [2015]

Second edition.

xvii, 462 pages ;; 26 cm.

Includes bibliographical references and index.

"With its emphasis on practical and conceptual aspects, rather than mathematics or formulas, this accessible book has established itself as the go-to resource on confirmatory factor analysis (CFA). Detailed, worked-through examples drawn from psychology, management, and sociology studies illustrate the procedures, pitfalls, and extensions of CFA methodology. The text shows how to formulate, program, and interpret CFA models using popular latent variable software packages (LISREL, Mplus, EQS, SAS/CALIS); understand the similarities and differences between CFA and exploratory factor analysis (EFA); and report results from a CFA study. It is filled with useful advice and tables that outline the procedures. The companion website offers data and program syntax files for most of the research examples, as well as links to CFA-related resources. New to This Edition *Updated throughout to incorporate important developments in latent variable modeling. *Chapter on Bayesian CFA and multilevel measurement models. *Addresses new topics (with examples): exploratory structural equation modeling, bifactor analysis, measurement invariance evaluation with categorical indicators, and a new method for scaling latent variables. "Utilizes the latest versions of major latent variable software packages"--

ISBN : 9781462517794 (hardcover)
      : 9781462515363 (paperback)

Subject : Factor analysis.
Subject : PSYCHOLOGY / Statistics.
Subject : MEDICAL / Nursing / Research Theory.
Subject : EDUCATION / Statistics.
Subject : SOCIAL SCIENCE / Statistics.
Subject : BUSINESS ECONOMICS / Statistics.

Dewey Decimal Classification : 150.1/5195354
Other Class Numbers : PSY032000MED058200EDU027000SOC027000BUS061000

Date and Hour of Consultation and Access : 9781462517794.pdf
1- کیفیت نمایش فایل‌های دیجیتال چگونه است؟

1. عالی
2. خوب
3. متوسط
4. ضعیف

بکشید و بپردازید

2- کیفیت دانلود فایل‌های دیجیتال چگونه است؟

1. عالی
2. خوب
3. متوسط
4. ضعیف

بکشید و بپردازید

---

confirmatory factor analysis for applied research

کنفرمаторی عوامل نوین برای پژوهش
Confirmatory Factor Analysis. CFA allows the researcher to test the hypothesis that a relationship between the observed variables and their underlying latent construct(s) exists. The researcher uses knowledge of the theory, empirical research, or both, postulates the relationship pattern a priori and then tests the hypothesis statistically. The use of CFA could be impacted by Exploratory Factor Analysis. Psychologists searching for a neat and tidy description of human intellectual abilities lead to the development of factor analytic methods. Rotation applied to the reference axes means the axes are turned about the origin until some alternative position has been reached. The simplest case is when the axes are held at 90° to each other, orthogonal rotation.

Model and modeling. What is model? The aim of factor analysis is to find parameters of latent variable(s), which explain all covariances between indicators via splitting variance of each indicator to the common and unique. Conceptual. Every indicator is a linear combination of one or more latent factors and unique variance of indicator (residual/error). The same but as a factor analysis diagram. Principal component analysis is not a factor analysis, because it doesn’t decompose variance of observed variables into common (factors) and unique measurement error is not accounted for; it searches for component loadings which maxim