

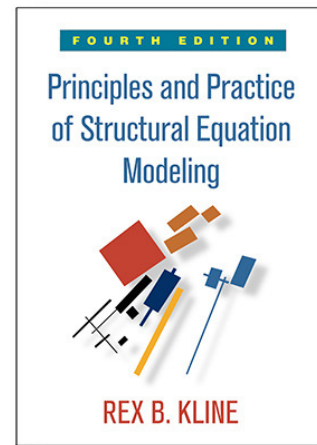
NEW FROM THE GUILFORD PRESS

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Revised and Expanded!

Principles and Practice of Structural Equation Modeling, Fourth Edition

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Website Categories: RESEARCH METHODS: Quantitative Methods. PSYCHOLOGY, PSYCHIATRY, & SOCIAL WORK: Social & Personality Psychology; Sociology; Developmental Psychology.

Subject Areas/Keywords: advanced quantitative techniques, behavioral sciences, causal inferences, latent variable modeling, methodology, multivariate analysis, path analysis, psychology, research methods, SEM, social sciences, statistics, structural equation modeling

DESCRIPTION

Emphasizing concepts and rationale over mathematical minutiae, this is the most widely used, complete, and accessible structural equation modeling (SEM) text. Continuing the tradition of using real data examples from a variety of disciplines, the significantly revised fourth edition incorporates recent developments such as Pearl's graph theory and structural causal model (SCM), measurement invariance, and more. Readers gain a comprehensive understanding of all phases of SEM, from data collection and screening to the interpretation and reporting of the results. Learning is enhanced by exercises with answers, rules to remember, and topic boxes. The companion website supplies data, syntax, and output for the book's examples—now including files for Amos, EQS, LISREL, Mplus, Stata, and R (*lavaan*).

New to This Edition

- Extensively revised to cover important new topics: Pearl's graph theory and the SCM, causal inference frameworks, conditional process modeling, path models for longitudinal data, item response theory, and more.
- New chapters on best practices in all stages of SEM, measurement invariance in confirmatory factor analysis, and significance testing issues and bootstrapping.
- Expanded coverage of psychometrics.

- Additional computer tools: online files for all detailed examples, previously provided in EQS, LISREL, and Mplus, are now also given in Amos, Stata, and R (`lavaan`).
- Reorganized to cover the specification, identification, and analysis of observed variable models separately from latent variable models.

Pedagogical Features

- Exercises with answers, plus end-of-chapter annotated lists of further reading.
- Real examples of troublesome data, demonstrating how to handle typical problems in analyses.
- Topic boxes on specialized issues, such as causes of nonpositive definite correlations.
- Boxed rules to remember.
- Website promoting a learn-by-doing approach, including syntax and data files for six widely used SEM computer tools.

KEY POINTS

- The top-selling SEM text, extensively revised: 45% new material includes the first primer-level introduction to Pearl's structural causal model (SCM), plus several other new chapters.
- Students love Kline's writing and his use of real-world examples and just enough math.
- Learn-by-doing approach, complete with everything needed to run the examples on six SEM software tools, including Mplus, Stata, and R (`lavaan`).
- User-friendly features: real data examples from a variety of disciplines, exercises with answers, rule tips, and topic boxes.
- Online resources: comprehensive website provides data, syntax, and output files for all detailed examples in the book.

AUDIENCE

Graduate students, instructors, and researchers in psychology, education, human development and family studies, management, sociology, social work, nursing, public health, criminal justice, and communication.

COURSE USE

Serves as a text for graduate-level courses in structural equation modeling, multivariate statistics, advanced quantitative methods, or research methodology.

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About the Author

ABOUT THE AUTHOR

Rex B. Kline, PhD, is Professor of Psychology at Concordia University in Montreal, Quebec, Canada. Since earning a doctorate in clinical psychology, he has conducted research on the psychometric evaluation of cognitive abilities, child clinical assessment, structural equation modeling, training of researchers, statistics reform in the behavioral sciences, and usability engineering in computer science. Dr. Kline has published a number of books, chapters, and journal articles in these areas.

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