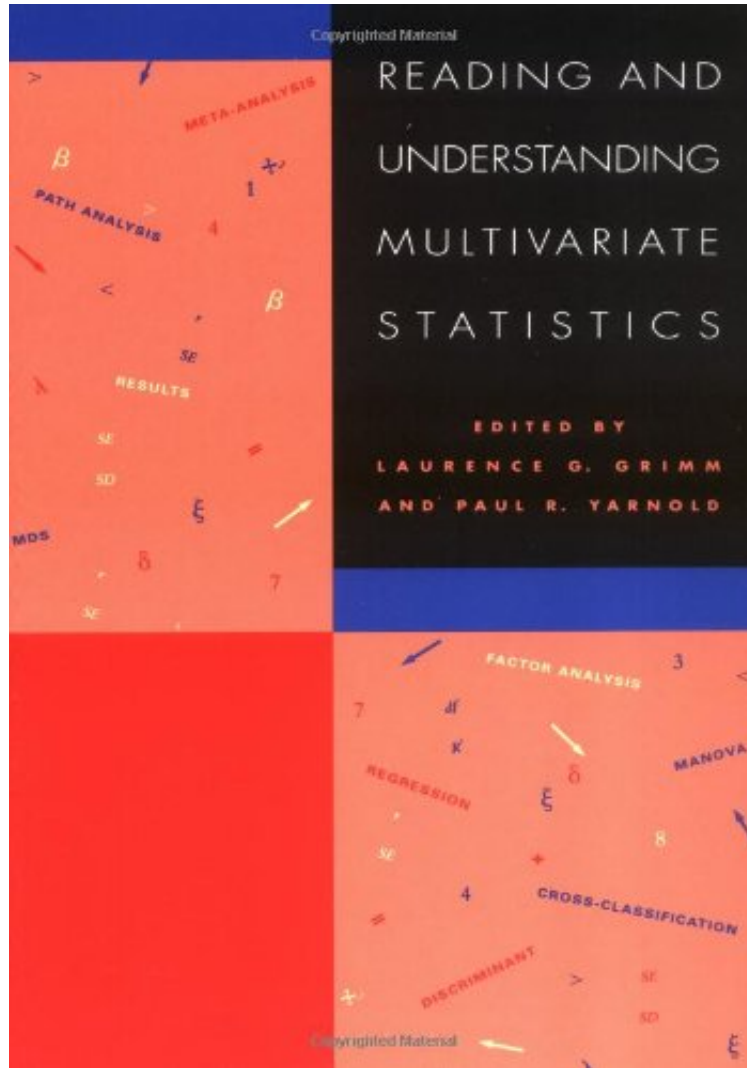


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Reading Understanding Multivariate Statistics

Laurence G. Grimm

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Laurence G. Grimm : Reading Understanding Multivariate Statistics before purchasing it in order to gage whether or not it would be worth my time, and all praised Reading Understanding Multivariate Statistics:

3 of 3 people found the following review helpful. Good Applied Multivariate Stats IntroBy John M. FordLawrence Grimm and Paul Yarnold have written this book for researchers who need a better understanding of a variety of multivariate statistical methods to read and evaluate published research. They note that this need is not well-addressed by most multivariate statistics textbooks, which "...are not written for the consumer of research or the novice to a particular statistical method. They are much more focused on the fine details of algorithms and formulas for analyzing

data."This book has a more applied focus. It describes the fundamental concepts of each multivariate procedure, reviews the statistical assumptions and terminology associated with it, and demonstrates how each procedure can be used to analyze data from real research studies. Although the authors assume no prior learning about multivariate statistics, they do assume their readers are familiar with basic univariate methods. Following an introductory chapter on statistical foundations, the book contains chapter-length discussions of nine multivariate methods used in psychology, business, and related fields. The methods are: multiple regression, path analysis, factor analysis, multidimensional scaling, cross-classified data analysis, logistic regression, multivariate analysis of variance, discriminant analysis, and meta-analysis. The authors present concepts clearly and illustrate their use with extended examples. The book is recommended as a supplemental resource to the primary text in a multivariate analysis class. It is also recommended as a reference for practicing researchers as they review literature and consider adopting new methods. Readers may also benefit from the authors' subsequent book, *Reading and Understanding More Multivariate Statistics*, which focuses on scales of measurement.

3 of 4 people found the following review helpful. Excellent high-level overview
By Micah
This book is an excellent high-level overview of multivariate statistics and the techniques for working with multivariate data. It doesn't go into detail making it a very good read for people wanting to learn multivariate concepts.

17 of 22 people found the following review helpful. Fantastic Treatment of Sophisticated Mathematical Concepts
By gadawson
I've long wanted a better explanation of Eigenvectors and Eigenvalues than I received in a econometrics or statistics textbook. This book gives me an incredibly clear understanding of what they are. Now when I look back at the mathematical interpretation again it means so much more. This is a fantastic book that would highly recommend to anyone wanting a clear conceptual understanding of these sophisticated topics. 5 stars, no questions about it!

The book presents an overview of multivariate statistics and their place in research. It describes the appropriate context for -- and the types of empirical questions that can best be addressed by -- each technique or family of techniques, as well as the distribution assumptions that must be met for the analysis to be meaningful. The most commonly used multivariate techniques are examined in detail: multiple regression and correlation, path analysis, principal-components analysis, exploratory and confirmatory factor analysis, multidimensional scaling, analysis of cross-classified data, logistic regression, multivariate analysis of variance (MANOVA), discriminant analysis, and meta-analysis. Statistical notations are explained, underlying assumptions are described, and terms are defined clearly and understandably. Concepts and symbols are presented with minimal use of formulas and a generous use of real-world research examples. Each chapter also includes suggestions for additional reading and a glossary of statistical and related terms.