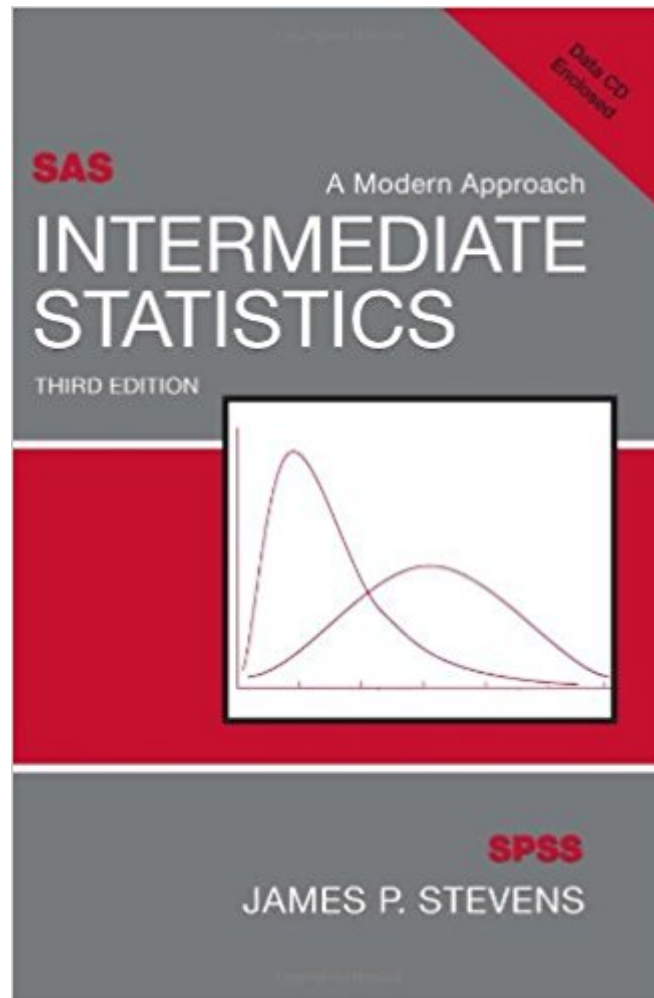




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# Intermediate Statistics: A Modern Approach, Third Edition



## Synopsis

James Stevens's best-selling text, *Intermediate Statistics*, is written for those who use, rather than develop, statistical techniques. Dr. Stevens focuses on a conceptual understanding of the material rather than on proving the results. SAS and SPSS are an integral part of each chapter. Definitional formulas are used on small data sets to provide conceptual insight into what is being measured. The assumptions underlying each analysis are emphasized and the reader is shown how to test the critical assumptions using SPSS or SAS. Printouts with annotations from SAS or SPSS show how to process the data for each analysis. The annotations highlight what the numbers mean and how to interpret the results. Numerical, conceptual, and computer exercises enhance understanding. Answers are provided for half of the exercises. The book offers comprehensive coverage of one-way, power, and factorial analysis of variance, repeated measures analysis, simple and multiple regression, analysis of covariance, and HLM. Power analysis is an integral part of the book. A computer example of real data integrates many of the concepts. Highlights of the Third Edition include: A new chapter on hierarchical linear modeling using HLM6 A CD containing all of the book's data sets New coverage of how to cross validate multiple regression results with SPSS and a new section on model selection (Chapter 6) More exercises in each chapter. Intended for intermediate statistics or statistics II courses taught in departments of psychology, education, business, and other social and behavioral sciences, a prerequisite of introductory statistics is required. An Instructor's Resource is available upon adoption. See [www.researchmethodsarena.com](http://www.researchmethodsarena.com).

## Book Information

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## Customer Reviews

"Stevens does an excellent job showing students how to use and read computer output...A strength of this book is the author's very clear explanation of power analysis...The author's presentation style is very readable and easy to follow." *—The American Statistician* "Extremely useful to those conducting educational or other similar research." *—The Statistician* "The greatest strength is the accessibility of the material...readers are exposed to differences in approaches and philosophy for data analyses and are given enough information to make informed decisions for themselves...The illustrations and screen dumps are a strong feature." *—Dale E. Berger, PhD, Dept. of Psychology, Claremont Graduate University* "I have not found a textbook that manages the link between intermediate statistical concepts and their application better than Professor Stevens' Intermediate Statistics...The chapter on power analysis is one-of-a-kind...the conceptual and practical approach...and the emphasis on assumptions of the statistical tests...separates it from others...this is one of the only textbooks to cover Multiple Regression and ANOVA from their own unique perspectives." *—Gordon P. Brooks, PhD, Dept. of Educational Studies, Ohio University* "I am currently using Stevens 2/e for my Advanced Statistics course for first year graduate students...my class emphasizes the connections between ANOVA and regression...this was one of the only books that covered both topics on a level accessible for clinical students...I will definitely use the 3rd Edition." *—Michael Milburn, PhD, Dept. of Psychology, University of Massachusetts-Boston*

I bought this book because it's the required text for a statistics course I am taking. The experience has been well below expectations. I list the reasons below.

(1) **Typographical Errors**The biggest reason. A lot of typos. Beginning each chapter, the instructor has to hand out the list of errata, which number up to ten per given chapter. These are not your harmless "compute this example"s. There are more formulae that are incorrectly typed than those that are not. Some typos are obvious, such as missing parentheses or h's for b's and so on. Others are not so obvious, such as '-' instead of '+' and the like. If you didn't have an instructor, your equations would be wrong, and you would never know it. How is this book in its third edition? What was the first edition like?

(2) **Poor Kindle Implementation**No reference to the paperback pagination in the Kindle version, when the intratext reference system still depends on the paperback pagination. You have to infer. Also, in-text tables and figures are missing. Instead of them, you get placeholders that say "place figure X from the

previous edition here". Someone didn't do one's job. Also, the appended tables are of rasterized image format. For those of you who aren't familiar with raster graphics, what it means is that they took pictures of the tables instead of typing them in. Poor resolution, and also makes for poor viewing experience.(3) The TextYes, you look past the wrinkles and the blemishes. You say, "I don't care how you look honey, I just care about your soul." But turns out the manuscript itself is poorly written. Concepts are referred to, before they are introduced in the subsequent chapters. Explanations are wanting, and when they are not, you realize the shoddy paragraph you had just struggled through could have been summarized in one or two sentences.What contributes to this flaw is that the author is not clear about whom his audience is. If you have to be taught what a t-test is or how to interpret an interaction effect in a factorial ANOVA, you are most clearly not an intermediate statistician. But the text assumes some knowledge. Some of these assumptions are reasonable. Others are not. What you get is a deluge of inconsistency in the depth of exposition. A lot of words spent on inessential topics, while glossing over the core ones.(4) The Bottom LineWould I buy this book again? No. Why did I buy this book? Because I had to. Should anyone who does not have to buy the book? No, not for any reason.If you are looking for an introductory textbook, there is a world of wonderful books out there. If you are trying to learn SPSS/SAS, look for resourcess directly pertaining to SPSS/SAS, not this book for which the software is an afterthought. If you are trying to get an intermediate-level instruction in statistics, this book will be either boring or confusing, and rarely somewhere in between.

Unclear writing, fails to explain basic mathematical or logical concepts or even to do basic signposting like telling you where the F values table is and when to use it. Really, only buy this if a statistics professor forces you to, and pay as little as possible for a used copy so you have enough money left over to buy a well-written intermediate stats textbook also so that you actually understand anything.

Very technically written for a beginner. Although i've seen some statistics books that are worse, i've certainly seen others that are more understandable for the novice.

It was ok. the book was good resource and something that I needed for my statistics. I would recommend the book to other students.

This is yet another well written book by Stevens. It goes into a sufficient amount of detail to

understand the how, when, why, and where of these statistical analyses. One does not have to be a statistician to understand it. This book has great utility. The one disappointment was the lack of updated SPSS syntax, but other than this, it is well worth every penny.

Intermediate Statistics: A Modern Approach Lots of typographical errors in this book, which made it difficult to read and follow the examples. I expect more proofreading from a textbook. Wasn't very thorough in its examples and descriptions. The only thing this book was good for was the tables in the back. Don't buy this book unless you have to.

The author of this book does not explain this information in a way that's easy to understand. Explanations are too short, and unclear. Some of the examples used to explain the formulas are incorrect.

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