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EDITION



Statistics for People Who *(Think They)* Hate Statistics

Neil J. Salkind



Praise for Statistics for People Who (Think They) Hate Statistics

“*Statistics for People Who (Think They) Hate Statistics* really makes students learn and enjoy statistics and research in general. Students especially like the Ten Commandments and Internet sites.”

—Professor Valarie Janesick

Professor of Educational Leadership

University of South Florida

“I just wanted to say that as a SUNY Delhi online RN-to-BSN student one day into Statistics 101—your book has saved my career! I put off my BSN due to statistics, even enrolling and then backing out a couple of times. I have read the first two chapters and already “get it.” I know it will get harder, but I am so thankful for your easy-to-understand method. I told my husband last night I actually might like statistics and enjoy it. I was also thankful for the basic math review. No one ever broke it down like that for me, to the point where I was in remedial math in high school and still never got it. I no longer fear math or statistics.”

—Meghan Wheeler, RN

“I truly appreciate your accessibility and help. I am learning to use SPSS in preparation for a doctoral program that will begin in the fall and it has been twenty years since I have taken a statistics course. I am thankful for this straightforward book to help me catch up with current trends.”

—Sylvia Miller-Martin

“I have loved statistics ever since my second undergraduate course. Your book *Statistics for People Who (Think They) Hate Statistics* has cleared up confusion and partial understandings that I have had for years. It is a must for anyone beginning or continuing their journey in this science. I love it, and will use it for all of the foreseeable future.”

—Ronald A. Straube

Mission Texas Regional Medical Center

“Dr. Salkind, I just felt compelled to send you a note thanking you for such a great book
—*Statistics for People Who (Think They) Hate Statistics*.

“I bought a house two years ago. The people who lived there previously left the book behind. I didn’t throw it out because I am a book nut.

“Anyway, I have started work on a graduate degree in psychology and decided to pull your book out. This book has been a godsend. It is absolutely the best statistics book I have ever encountered when it comes to explaining things in understandable terms.

“It was well worth the 100K for the house, LOL!”

Bless you!!

Brian Wright

“The project team of Denise, Renee, Shawn, and Trish stated for their research hypothesis that brownies made with regular flour would be preferred to those made with gluten-free flour. The brownie recipe chosen was “The Reward” in [Appendix F](#). Denise made the gluten-free brownies, Renee made the regular brownies, and our sample was our fellow students at Tusculum College. We used an ordinal survey process for rating the brownies on a scale from 1 to 5, with 1 being the worst and 5 being the best brownies you ever had. The gluten-free brownies won, disproving the research hypothesis. The mean and mode were the chosen method of comparison. The gluten-free brownies had a mean/mode of 4, and the regular brownies had a 3. The range for the gluten-free brownies was wider than the range for the regular-flour brownies. All who participated in the survey LOVED the brownies.

“This came about because I asked our instructor if we were going to use the information in [Appendix F](#). Neither my instructor nor my classmates had checked out this particular appendix. The instructor told me I could make the brownies and bring them to class. That is when I told my instructor that I had celiac disease and only had gluten-free flour in my home. Usually gluten-free items are not preferred because of their texture. The instructor had always wanted to try something that was gluten-free, and that was how our in-class experiment was born.”

—Denise Proske

Tesculum College

“I just wanted to take a moment of your time to inform you that I have selected your book, *Statistics for People Who (Think They) Hate Statistics*, to use in my course. I truly agree with the direction you have taken with your book and I know that our students will

appreciate it just the same.”

—Karl R. Krawitz, EdD

Baker University, Overland Park, KS

“I am a ‘nontraditional’ (that’s how the nice folks at the University of Dayton refer to ‘older’) grad student enjoying your *Statistics for People Who (Think They) Hate Statistics*. Although I publicize research in my job, being involved in research and statistics myself is an entirely new challenge. So please count me as one of the countless who appreciate your approach to statistics with a sense of humor—it definitely helps alleviate the intimidation factor of the subject.

“Thanks again for taking on this (and other topics) in such a ‘human’ way :-).”

Best regards,

Pamela Gregg

Communication Administrator University of Dayton Research Institute

“I just thought I would send a little positive reinforcement your way! As an undergraduate psychology student, I was urged by a friend to purchase your book but not, as you may think, for a stats class. I had taken the required stats class two years prior and had learned NOTHING! As I embarked on my senior honors thesis, I began to feel slightly—maybe more like extremely—overwhelmed by all of the data analysis I was about to undertake. That was when a friend of mine suggested I buy your book. My first reaction? ‘I’m not buying another statistics book just for the fun of it!’ Well after much prodding, I eventually bought it (the second edition at the time). Now as I take on statistics (multivariate, yikes!) yet again, only this time as a third-year graduate student, I find myself keeping your book alongside as an anxiety-reducing companion!

“Thanks for making statistics bearable for all these years!”

—Ashley Shier, MEd

University of Cincinnati

School of Psychology Doctoral Student

“Hello Dr. Salkind! Just wanted to thank you for putting together a great resource in your *Statistics for People . . .* I use it to teach my grad course in Quantitative Research Methods in anthropology here at Northern Arizona University. We fondly refer to your book

as ‘Haters.’

“Thanks again.”

Britton L. Shepardson, PhD

Lecturer & Assistant Chair

Department of Anthropology

Northern Arizona University

“Salkind’s examples assist with the application of key concepts and tests. The book is easy to read due to the way information is presented, such as the Tech Talk, Things to Remember, the Key to Difficulty Index, the various 10 lists, the icons, and the illustrations—including the cartoons. Even the title brings laughter to students—and humor can be a great antidote to stress!”

—Mary Beth Zeni

Florida State School of Nursing

“Hi, Mr. Salkind,

“I am a full-time registered nurse of 19 years and have recently begun my journey of obtaining my Bachelor of Science in Nursing. Tomorrow is my first statistics class. I have just read your ‘note to students’ and wanted to write to you and inform you that you have described my symptoms to a T. My classmates and I are extremely anxious about our course and what we are in for over the next 3 months. After reading these two pages, I wanted to tell you that you have alleviated some of my anxiety and allowed me to stop fretting over the unknown and begin to read on. Thank you for that. I am working a night shift tonight; hopefully I will find time to read my required chapters with less anxiety and actually absorb some of the material I am reading. Thank you again; I will try and look forward to learning from your book, my excellent instructor, and my classmates.”

Sincerely,

Lori Vajda, RN

“Vast quantities of statistical information consumed.”

—Beldar from Remulak

“Dear Prof Salkind,

“I just want to thank you for the amazing book, *Statistics for People Who (Think They) Hate Statistics*. I definitely used to be one among them who hated statistics and used to ignore it so far. Now, as I am almost in the finishing stages of my PhD, I was thinking it would be a shame if I don’t have a minimum knowledge of statistics. The book has not just helped my understanding in the subject, but it inspires me to do further reading in statistics. I have even recommended the book to a few within 2 days! Thank you so much for such a wonderful work!”

—A. J. Padman

“I just wanted to send a little ‘thank you’ your way for writing an extremely user-friendly book, *Statistics for People (Who Think) They Hate Statistics*. I’m a psychology major doing an independent study over break (at Alverno, a statistics course is a prerequisite for a class I’m taking this spring, experimental psychology). In other words, I’m pretty much learning this on my own (with a little guidance from my mentor), so I appreciate having a book that presents the material in a simple, sometimes humorous manner. I only suggest writing another textbook at a higher level of statistics so I can read that one too!”

Sincerely,

Jenny Saucerman

“I liked its humorous approach, which indeed helps to reduce statistical anxiety. The design of the book is inviting and relaxing, which is a plus. The writing style is great, and the presentation is appropriate for my students. A fun and well-written book, it is easy to read and use and presents statistics in a user-friendly way. . . . I would recommend it for sure.”

—Minjuan Wang

San Diego State University

“Let me thank you for a wonderful textbook. Of all the texts I have used over the years, I would have to rate yours #1 for presenting material that can be followed and understood.”

—Carolyn Letsche

MA Student in School Counseling

“Salkind’s book is in a class by itself. It is easily the best book of its kind that I have come across. I enthusiastically recommend it for anyone interested in the subject and even (and

especially) for those who aren't!"

—Russ Shafer-Landau

University of Wisconsin

"*Statistics for People Who (Think They) Hate Statistics* is definitely the right book for people who have to overcome that familiar anxious feeling when opening a standard statistics book and who having finally managed to do so are still not able to make much sense of it all. The book by Salkind is easy and pleasant to read and one that hardly needs any pre-knowledge of the field to be able to follow the author's train of thoughts. Salkind has managed to bring statistics home to people who hate statistics or thought they did."

From a review in *Statistical Methods in Medical Research*

(Arnold Publications)

—Dr. Andrea Winkler

Maudsley and Bethlem Hospital

London, UK

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6 Edition

In honor and memory of Shane J. Lopez and welcome to Bella.

Statistics for People Who (*Think They*) Hate Statistics

6 Edition

Neil J. Salkind
University of Kansas



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