



Statistical Rules of Thumb

By Gerald van Belle

Download now

Read Online ➔

Statistical Rules of Thumb By Gerald van Belle

Praise for the First Edition:

"For a beginner [this book] is a treasure trove; for an experienced person it can provide new ideas on how better to pursue the subject of applied statistics."

—*Journal of Quality Technology*

Sensibly organized for quick reference, *Statistical Rules of Thumb, Second Edition* compiles simple rules that are widely applicable, robust, and elegant, and each captures key statistical concepts. This unique guide to the use of statistics for designing, conducting, and analyzing research studies illustrates real-world statistical applications through examples from fields such as public health and environmental studies. Along with an insightful discussion of the reasoning behind every technique, this easy-to-use handbook also conveys the various possibilities statisticians must think of when designing and conducting a study or analyzing its data.

Each chapter presents clearly defined rules related to inference, covariation, experimental design, consultation, and data representation, and each rule is organized and discussed under five succinct headings: introduction; statement and illustration of the rule; the derivation of the rule; a concluding discussion; and exploration of the concept's extensions. The author also introduces new rules of thumb for topics such as sample size for ratio analysis, absolute and relative risk, ANCOVA cautions, and dichotomization of continuous variables.

Additional features of the *Second Edition* include:

- Additional rules on Bayesian topics
- New chapters on observational studies and Evidence-Based Medicine (EBM)
- Additional emphasis on variation and causation
- Updated material with new references, examples, and sources

A related Web site provides a rich learning environment and contains additional rules, presentations by the author, and a message board where readers can share their own strategies and discoveries. *Statistical Rules of Thumb, Second Edition* is an ideal supplementary book for courses in experimental design and survey research methods at the upper-undergraduate and graduate levels. It also serves as an indispensable reference for statisticians, researchers, consultants, and scientists who would like to develop an understanding of the statistical

foundations of their research efforts. A related website www.vanbelle.org provides additional rules, author presentations and more.

 [Download Statistical Rules of Thumb ...pdf](#)

 [Read Online Statistical Rules of Thumb ...pdf](#)

Statistical Rules of Thumb

By Gerald van Belle

Statistical Rules of Thumb By Gerald van Belle

Praise for the First Edition:

"For a beginner [this book] is a treasure trove; for an experienced person it can provide new ideas on how better to pursue the subject of applied statistics."

—*Journal of Quality Technology*

Sensibly organized for quick reference, *Statistical Rules of Thumb, Second Edition* compiles simple rules that are widely applicable, robust, and elegant, and each captures key statistical concepts. This unique guide to the use of statistics for designing, conducting, and analyzing research studies illustrates real-world statistical applications through examples from fields such as public health and environmental studies. Along with an insightful discussion of the reasoning behind every technique, this easy-to-use handbook also conveys the various possibilities statisticians must think of when designing and conducting a study or analyzing its data.

Each chapter presents clearly defined rules related to inference, covariation, experimental design, consultation, and data representation, and each rule is organized and discussed under five succinct headings: introduction; statement and illustration of the rule; the derivation of the rule; a concluding discussion; and exploration of the concept's extensions. The author also introduces new rules of thumb for topics such as sample size for ratio analysis, absolute and relative risk, ANCOVA cautions, and dichotomization of continuous variables. Additional features of the *Second Edition* include:

- Additional rules on Bayesian topics
- New chapters on observational studies and Evidence-Based Medicine (EBM)
- Additional emphasis on variation and causation
- Updated material with new references, examples, and sources

A related Web site provides a rich learning environment and contains additional rules, presentations by the author, and a message board where readers can share their own strategies and discoveries. *Statistical Rules of Thumb, Second Edition* is an ideal supplementary book for courses in experimental design and survey research methods at the upper-undergraduate and graduate levels. It also serves as an indispensable reference for statisticians, researchers, consultants, and scientists who would like to develop an understanding of the statistical foundations of their research efforts. A related website www.vanbelle.org provides additional rules, author presentations and more.

Statistical Rules of Thumb By Gerald van Belle Bibliography

- Sales Rank: #570778 in Books
- Published on: 2008-09-02
- Original language: English
- Number of items: 1

- Dimensions: 9.10" h x .60" w x 6.10" l, 1.00 pounds
- Binding: Paperback
- 304 pages

 [Download Statistical Rules of Thumb ...pdf](#)

 [Read Online Statistical Rules of Thumb ...pdf](#)

Editorial Review

Amazon.com Review

Good scientists learn early on not to do everything by the book. Respected statistician Gerald Van Belle has compiled the unpublished wisdom of his profession in the invaluable *Statistical Rules of Thumb*. Those mathematicians involved in statistical work will applaud its clarity and organization, while other scientists will find their experimental design and analysis vastly improved by its suggestions. Each of the 99 rules has a brief introduction, a simple statement of the rule, illustrations, theoretical underpinnings, and extensions. Topics covered include covariation, design, consultation, epidemiology, and data representation. Van Belle is providing Web support for this ongoing project, so we can expect to see even greater breadth and refinement as it develops. --*Rob Lightner*

Review

"This is a unique and effective contribution. Unlike some statistical books, this is a truly enjoyable read." (*Doody's Reviews*)

"For the applied researcher who does much of her or his own data analysis, this book is a must-have. Even the applied statistician would benefit from owning a copy of this collection. It is certain that some 'rules' will be new, and the descriptions in the text can come in quite handy when one is trying to explain a concept to a non-statistician. In short, this collection of 'rules' is highly recommended." (*MAA Reviews*, December 10, 2008)

"For the applied researcher who does much of her or his own data analysis, this book is a must-have. Even the applied statistician would benefit from owning a copy of this collection. It is certain that some 'rules' will be new, and the descriptions in the text can come in quite handy when one is trying to explain a concept to a non-statistician. In short, this collection of 'rules' is highly recommended." (*MAA Reviews*, Dec 2008)

Review

"The first edition was masterful, the second is beyond wonderful. First-edition topics have been updated; new chapters on observational studies and evidence-based medicine broaden and deepen impact. A must read for all who produce or read quantitative studies."

—*Thomas A. Louis, PhD, Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health*

"The first edition was masterful, the second is beyond wonderful. First-edition topics have been updated; new chapters on observational studies and evidence-based medicine broaden and deepen impact. A must read for all who produce or read quantitative studies."

—*Thomas A. Louis, PhD, Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health*

Users Review

From reader reviews:

Margarita Toman:

Have you spare time for the day? What do you do when you have a lot more or little spare time? Yeah, you can choose the suitable activity for spend your time. Any person spent their particular spare time to take a

walk, shopping, or went to the actual Mall. How about open or even read a book called Statistical Rules of Thumb? Maybe it is to become best activity for you. You know beside you can spend your time along with your favorite's book, you can wiser than before. Do you agree with it has the opinion or you have additional opinion?

Debra Yarbrough:

The book Statistical Rules of Thumb can give more knowledge and also the precise product information about everything you want. So why must we leave a good thing like a book Statistical Rules of Thumb? A number of you have a different opinion about guide. But one aim which book can give many data for us. It is absolutely proper. Right now, try to closer with your book. Knowledge or data that you take for that, you could give for each other; it is possible to share all of these. Book Statistical Rules of Thumb has simple shape however you know: it has great and large function for you. You can search the enormous world by open up and read a guide. So it is very wonderful.

Ethelyn Allen:

Playing with family inside a park, coming to see the water world or hanging out with pals is thing that usually you could have done when you have spare time, then why you don't try point that really opposite from that. Just one activity that make you not sense tired but still relaxing, trilling like on roller coaster you are ride on and with addition details. Even you love Statistical Rules of Thumb, it is possible to enjoy both. It is excellent combination right, you still wish to miss it? What kind of hang-out type is it? Oh seriously its mind hangout fellas. What? Still don't have it, oh come on its known as reading friends.

Garry Brown:

Reading a book being new life style in this year; every people loves to go through a book. When you learn a book you can get a lots of benefit. When you read ebooks, you can improve your knowledge, because book has a lot of information upon it. The information that you will get depend on what sorts of book that you have read. If you want to get information about your analysis, you can read education books, but if you act like you want to entertain yourself look for a fiction books, this kind of us novel, comics, and soon. The Statistical Rules of Thumb provide you with new experience in looking at a book.

Download and Read Online Statistical Rules of Thumb By Gerald van Belle #RSFNBY1VE65

Read Statistical Rules of Thumb By Gerald van Belle for online ebook

Statistical Rules of Thumb By Gerald van Belle Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Statistical Rules of Thumb By Gerald van Belle books to read online.

Online Statistical Rules of Thumb By Gerald van Belle ebook PDF download

Statistical Rules of Thumb By Gerald van Belle Doc

Statistical Rules of Thumb By Gerald van Belle Mobipocket

Statistical Rules of Thumb By Gerald van Belle EPub

RSFNBY1VE65: Statistical Rules of Thumb By Gerald van Belle