



Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics)

By Steve Selvin

[Download now](#)

[Read Online](#) 

Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) By Steve Selvin

Analytic procedures suitable for the study of human disease are scattered throughout the statistical and epidemiologic literature. Explanations of their properties are frequently presented in mathematical and theoretical language. This well-established text gives readers a clear understanding of the statistical methods that are widely used in epidemiologic research without depending on advanced mathematical or statistical theory. By applying these methods to actual data, Selvin reveals the strengths and weaknesses of each analytic approach. He combines techniques from the fields of statistics, biostatistics, demography and epidemiology to present a comprehensive overview that does not require computational details of the statistical techniques described.

For the Third Edition, Selvin took out some old material (e.g. the section on rarely used cross-over designs) and added new material (e.g. sections on frequently used contingency table analysis). Throughout the text he enriched existing discussions with new elements, including the analysis of multi-level categorical data and simple, intuitive arguments that exponential survival times cause the hazard function to be constant. He added a dozen new applied examples to illustrate such topics as the pitfalls of proportional mortality data, the analysis of matched pair categorical data, and the age-adjustment of mortality rates based on statistical models. The most important new feature is a chapter on Poisson regression analysis. This essential statistical tool permits the multivariable analysis of rates, probabilities and counts.

 [Download Statistical Analysis of Epidemiologic Data \(Monogr ...pdf](#)

 [Read Online Statistical Analysis of Epidemiologic Data \(Mono ...pdf](#)

Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics)

By Steve Selvin

Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) By Steve Selvin

Analytic procedures suitable for the study of human disease are scattered throughout the statistical and epidemiologic literature. Explanations of their properties are frequently presented in mathematical and theoretical language. This well-established text gives readers a clear understanding of the statistical methods that are widely used in epidemiologic research without depending on advanced mathematical or statistical theory. By applying these methods to actual data, Selvin reveals the strengths and weaknesses of each analytic approach. He combines techniques from the fields of statistics, biostatistics, demography and epidemiology to present a comprehensive overview that does not require computational details of the statistical techniques described.

For the Third Edition, Selvin took out some old material (e.g. the section on rarely used cross-over designs) and added new material (e.g. sections on frequently used contingency table analysis). Throughout the text he enriched existing discussions with new elements, including the analysis of multi-level categorical data and simple, intuitive arguments that exponential survival times cause the hazard function to be constant. He added a dozen new applied examples to illustrate such topics as the pitfalls of proportional mortality data, the analysis of matched pair categorical data, and the age-adjustment of mortality rates based on statistical models. The most important new feature is a chapter on Poisson regression analysis. This essential statistical tool permits the multivariable analysis of rates, probabilities and counts.

Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) By Steve Selvin **Bibliography**

- Sales Rank: #1768997 in Books
- Published on: 2004-05-13
- Original language: English
- Number of items: 1
- Dimensions: 6.30" h x 1.20" w x 9.30" l, 1.85 pounds
- Binding: Hardcover
- 512 pages



[Download Statistical Analysis of Epidemiologic Data \(Monogr ...pdf](#)



[Read Online Statistical Analysis of Epidemiologic Data \(Mono ...pdf](#)

Download and Read Free Online Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) By Steve Selvin

Editorial Review

Review

"This book covers a large number of statistical methods useful in analyzing epidemiologic data. The material is clearly presented and is illustrated by interesting examples based on real data. Most of the examples are analyzed by more than one method and, when models are used, by more than one model. This is extremely helpful in understanding the relationship between different analytic techniques. This should be a valuable reference book for statisticians and epidemiologists, and a good text for an intermediate level course." -- Suzanne Hudson, Department of Biostatistics, East Carolina University

From reviews of previous editions:

"This book is well-written and is generally easy to read. Selvin has done a nice job of presenting methods and illustrating the methods with numerical data."--*Journal of the American Statistical Association*

"...an outstanding, readable, and useful presentation of the methods of analysis of disease data. The author has filled a gap admirably. I am sure that this book will deservedly become extensively used in the field of epidemiology world-wide..."--*International Journal of Health Sciences*

"This is a well-written book that provides an important link between the analysis and interpretation of continuous data in epidemiologic terms. The text would be useful in an immediate epidemiology course that describes the basics of life-table analysis, logistic regression, and survival analysis."--*Epidemiology Monitor*

About the Author

Steve Selvin is at University of California, Berkeley.

Users Review

From reader reviews:

Eva Burton:

This book untitled Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) to be one of several books which best seller in this year, that's because when you read this e-book you can get a lot of benefit on it. You will easily to buy this book in the book store or you can order it by means of online. The publisher of this book sells the e-book too. It makes you easier to read this book,

because you can read this book in your Smartphone. So there is no reason for you to past this publication from your list.

Charlotte Bernstein:

Often the book Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) will bring that you the new experience of reading any book. The author style to clarify the idea is very unique. If you try to find new book to read, this book very ideal to you. The book Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) is much recommended to you you just read. You can also get the e-book through the official web site, so you can easier to read the book.

Kathleen Jones:

Your reading 6th sense will not betray anyone, why because this Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) publication written by well-known writer who really knows well how to make book that can be understand by anyone who else read the book. Written with good manner for you, still dripping wet every ideas and writing skill only for eliminate your current hunger then you still hesitation Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) as good book not merely by the cover but also from the content. This is one reserve that can break don't determine book by its deal with, so do you still needing another sixth sense to pick this!? Oh come on your studying sixth sense already told you so why you have to listening to yet another sixth sense.

Walter Knight:

Don't be worry in case you are afraid that this book may filled the space in your house, you may have it in e-book method, more simple and reachable. This kind of Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) can give you a lot of buddies because by you considering this one book you have matter that they don't and make you actually more like an interesting person. That book can be one of a step for you to get success. This e-book offer you information that possibly your friend doesn't understand, by knowing more than additional make you to be great persons. So , why hesitate? We should have Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics).

Download and Read Online Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) By Steve Selvin #WRD7YH40J3V

Read Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) By Steve Selvin for online ebook

Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) By Steve Selvin
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 Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) By Steve Selvin books to read online.

Online Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) By Steve Selvin ebook PDF download

Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) By Steve Selvin Doc

Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) By Steve Selvin MobiPocket

Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) By Steve Selvin EPub

WRD7YH40J3V: Statistical Analysis of Epidemiologic Data (Monographs in Epidemiology and Biostatistics) By Steve Selvin