Analysis of Ordinal Categorical Data

By Alan Agresti

Analysis of Ordinal Categorical Data By Alan Agresti

Statistical science's first coordinated manual of methods for analyzing ordered categorical data, now fully revised and updated, continues to present applications and case studies in fields as diverse as sociology, public health, ecology, marketing, and pharmacy. *Analysis of Ordinal Categorical Data, Second Edition* provides an introduction to basic descriptive and inferential methods for categorical data, giving thorough coverage of new developments and recent methods. Special emphasis is placed on interpretation and application of methods including an integrated comparison of the available strategies for analyzing ordinal data. Practitioners of statistics in government, industry (particularly pharmaceutical), and academia will want this new edition.

⬇ Download Analysis of Ordinal Categorical Data ...pdf

🗎 Read Online Analysis of Ordinal Categorical Data ...pdf

Analysis of Ordinal Categorical Data

By Alan Agresti

Analysis of Ordinal Categorical Data By Alan Agresti

Statistical science's first coordinated manual of methods for analyzing ordered categorical data, now fully revised and updated, continues to present applications and case studies in fields as diverse as sociology, public health, ecology, marketing, and pharmacy. *Analysis of Ordinal Categorical Data, Second Edition* provides an introduction to basic descriptive and inferential methods for categorical data, giving thorough coverage of new developments and recent methods. Special emphasis is placed on interpretation and application of methods including an integrated comparison of the available strategies for analyzing ordinal data. Practitioners of statistics in government, industry (particularly pharmaceutical), and academia will want this new edition.

Analysis of Ordinal Categorical Data By Alan Agresti Bibliography

- Sales Rank: #382461 in Books
- Published on: 2010-04-19
- Original language: English
- Number of items: 1
- Dimensions: 9.70" h x 1.10" w x 6.40" l, 1.55 pounds
- Binding: Hardcover
- 424 pages

Editorial Review

From the Publisher
The first book to deal comprehensively with specialized methods for categorical data with ordered categories. It assembles much of the material previously scattered in journals, including very recent methods such as loglinear and logit methods. The use of existing statistical computer packages for implementing these methods is explained. An extensive bibliography includes articles dealing with the analysis of ordinal categorical data, pulling together research from widely divergent sources.

From the Inside Flap
Statistical science now has its first coordinated manual of methods for analyzing ordered categorical data. The last decade has seen a dramatic rise in the development of methods for cross-classification tables having ordered categories. Volumes of material concerning specialized methods for ordinal variables have appeared scattered throughout the technical literature, but Analysis of Ordinal Categorical Data is the first book to present professional statisticians with a coherent view of them. These methods are being more and more frequently applied in such diverse fields as sociology, public health, ecology, marketing, and pharmacy. Researchers are finding that ordinal methods make possible simpler description of data, and also permit more powerful inferences about crucial questions of association linkages. This book holds the key to such applications, discussing specialized models that, unlike standard methods for nominal categorical data, efficiently use the information on ordering. There is no more organized and contemporary treatment of the various ways to analyze ordered categorical data. The book begins with an introduction to basic descriptive and inferential methods for categorical data, and then gives thorough coverage of the most current developments, such as the loglinear and logit models for ordinal data. The book places special emphasis on interpretation and application of methods, and it contains an integrated comparison of the available strategies for analyzing ordinal data. This is a case study work, with illuminating examples taken from across the wide spectrum of ordinal categorical applications. It features data sets concerning the influence of racial characteristics on the death penalty verdict for homicides; political ideology and party affiliation; the implications and effects of an operation for ulcers; and more. Analysis of Ordinal Categorical Data also explains in full how to implement methods by using existing statistical computer packages such as SAS, SPSS^x, and GLIM. This completes an invaluable resource that serious professional statisticians and researchers will need for future analysis in the social, political, behavioral, and biomedical fields.

From the Back Cover
Praise for the First Edition:

"The author has a fluent, easy-to-read style, and well-chosen interesting material to present and illustrate the ideas to the newcomer and the old hand alike."
—Journal of the Royal Statistical Society

Categorical data having ordered categories are common in practice, especially in applications throughout the biomedical and social sciences. Thoroughly updated to reflect developments since the publication of its predecessor, *Analysis of Ordinal Categorical Data*, Second Edition presents a comprehensive survey of methods for analyzing ordinal categorical data, complete with coverage of the most recent research.

The author highlights various modeling techniques, including cumulative logit models with and without proportional odds structure, adjacent-categories logit and continuation-ratio logit models, stereotype models, association models for ordinal odds ratios, and models for clustered ordinal data. Additional features of this

Second Edition include:

- A new chapter on marginal models for multivariate ordinal responses, using maximum likelihood and generalized estimating equations for model fitting
- A new chapter on random effects models for clustered ordinal data
- A new chapter on Bayesian approaches for analyzing ordinal data
- Models and order-restricted inference methods for various types of ordinal odds ratios, including local odds ratios, cumulative odds ratios, and global odds ratios
- Presentation of non-model-based methods, such as nonparametric rank methods that also apply to ordered categorical data

Each chapter concludes with notes on relevant research literature as well as exercises that allow readers to test their comprehension of the presented concepts. A detailed appendix discusses the use of the latest software such as SAS, R, SPSS, and Stata, and the book's related Web site provides further instructions for the use of these software packages along with complete data sets.

Analysis of Ordinal Categorical Data, Second Edition is an excellent book for courses on categorical data analysis at the upper-undergraduate and graduate levels. It is also an invaluable resource for researchers and practitioners who conduct data analysis in the areas of public health, business, medicine, and the social and behavioral sciences.

Users Review

From reader reviews:

Terry Holmes:

Why don't make it to be your habit? Right now, try to prepare your time to do the important behave, like looking for your favorite e-book and reading a reserve. Beside you can solve your trouble; you can add your knowledge by the guide entitled Analysis of Ordinal Categorical Data. Try to the actual book Analysis of Ordinal Categorical Data as your friend. It means that it can being your friend when you truly feel alone and beside those of course make you smarter than ever before. Yeah, it is very fortuned for yourself. The book makes you a lot more confidence because you can know every thing by the book. So , let's make new experience as well as knowledge with this book.

Henry Evans:

A lot of people always spent all their free time to vacation or maybe go to the outside with them household or their friend. Do you know? Many a lot of people spent they will free time just watching TV, or maybe playing video games all day long. In order to try to find a new activity here is look different you can read a book. It is really fun in your case. If you enjoy the book which you read you can spent all day long to reading a reserve. The book Analysis of Ordinal Categorical Data it doesn't matter what good to read. There are a lot of folks that recommended this book. These people were enjoying reading this book. In the event you did not have enough space to develop this book you can buy typically the e-book. You can m0ore simply to read this book through your smart phone. The price is not too expensive but this book has high quality.

Christy Fowler:

Analysis of Ordinal Categorical Data can be one of your starter books that are good idea. Many of us recommend that straight away because this book has good vocabulary which could increase your knowledge in language, easy to understand, bit entertaining but delivering the information. The article author giving his/her effort to get every word into joy arrangement in writing Analysis of Ordinal Categorical Data but doesn't forget the main level, giving the reader the hottest in addition to based confirm resource data that maybe you can be among it. This great information can easily drawn you into completely new stage of crucial pondering.

Michael Castillo:

Reading a e-book make you to get more knowledge from it. You can take knowledge and information originating from a book. Book is composed or printed or outlined from each source that will filled update of news. In this modern era like at this point, many ways to get information are available for an individual. From media social similar to newspaper, magazines, science e-book, encyclopedia, reference book, book and comic. You can add your knowledge by that book. Are you hip to spend your spare time to open your book? Or just seeking the Analysis of Ordinal Categorical Data when you necessary it?

Download and Read Online Analysis of Ordinal Categorical Data By Alan Agresti #VZYIGRMPJ74

Read Analysis of Ordinal Categorical Data By Alan Agresti for online ebook

Analysis of Ordinal Categorical Data By Alan Agresti 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 Analysis of Ordinal Categorical Data By Alan Agresti books to read online.

Online Analysis of Ordinal Categorical Data By Alan Agresti ebook PDF download

Analysis of Ordinal Categorical Data By Alan Agresti Doc

Analysis of Ordinal Categorical Data By Alan Agresti Mobipocket

Analysis of Ordinal Categorical Data By Alan Agresti EPub

VZYIGRMPJ74: Analysis of Ordinal Categorical Data By Alan Agresti