Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach

By Gregory W. Corder, Dale I. Foreman

Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach By Gregory W. Corder, Dale I. Foreman

A practical and understandable approach to nonparametric statistics for researchers across diverse areas of study

As the importance of nonparametric methods in modern statistics continues to grow, these techniques are being increasingly applied to experimental designs across various fields of study. However, researchers are not always properly equipped with the knowledge to correctly apply these methods. *Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach* fills a void in the current literature by addressing nonparametric statistics in a manner that is easily accessible for readers with a background in the social, behavioral, biological, and physical sciences.

Each chapter follows the same comprehensive format, beginning with a general introduction to the particular topic and a list of main learning objectives. A nonparametric procedure is then presented and accompanied by context-based examples that are outlined in a step-by-step fashion. Next, SPSS® screen captures are used to demonstrate how to perform and recognize the steps in the various procedures. Finally, the authors identify and briefly describe actual examples of corresponding nonparametric tests from diverse fields.

Using this organized structure, the book outlines essential skills for the application of nonparametric statistical methods, including how to:

- Test data for normality and randomness
- Use the Wilcoxon signed rank test to compare two related samples
- Apply the Mann-Whitney U test to compare two unrelated samples
- Compare more than two related samples using the Friedman test
- Employ the Kruskal-Wallis H test to compare more than two unrelated samples
- Compare variables of ordinal or dichotomous scales
- Test for nominal scale data

A detailed appendix provides guidance on inputting and analyzing the presented data using SPSS®, and supplemental tables of critical values are provided. In addition, the book's FTP site houses supplemental data sets and solutions for

further practice.

Extensively classroom tested, *Nonparametric Statistics for Non-Statisticians* is an ideal book for courses on nonparametric statistics at the upper-undergraduate and graduate levels. It is also an excellent reference for professionals and researchers in the social, behavioral, and health sciences who seek a review of nonparametric methods and relevant applications.

Download Nonparametric Statistics for Non-Statisticians: A ...pdf

Read Online Nonparametric Statistics for Non-Statisticians: ...pdf

Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach

By Gregory W. Corder, Dale I. Foreman

Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach By Gregory W. Corder, Dale I. Foreman

A practical and understandable approach to nonparametric statistics for researchers across diverse areas of study

As the importance of nonparametric methods in modern statistics continues to grow, these techniques are being increasingly applied to experimental designs across various fields of study. However, researchers are not always properly equipped with the knowledge to correctly apply these methods. *Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach* fills a void in the current literature by addressing nonparametric statistics in a manner that is easily accessible for readers with a background in the social, behavioral, biological, and physical sciences.

Each chapter follows the same comprehensive format, beginning with a general introduction to the particular topic and a list of main learning objectives. A nonparametric procedure is then presented and accompanied by context-based examples that are outlined in a step-by-step fashion. Next, SPSS® screen captures are used to demonstrate how to perform and recognize the steps in the various procedures. Finally, the authors identify and briefly describe actual examples of corresponding nonparametric tests from diverse fields.

Using this organized structure, the book outlines essential skills for the application of nonparametric statistical methods, including how to:

- Test data for normality and randomness
- Use the Wilcoxon signed rank test to compare two related samples
- Apply the Mann-Whitney U test to compare two unrelated samples
- Compare more than two related samples using the Friedman test
- Employ the Kruskal-Wallis H test to compare more than two unrelated samples
- Compare variables of ordinal or dichotomous scales
- Test for nominal scale data

A detailed appendix provides guidance on inputting and analyzing the presented data using SPSS®, and supplemental tables of critical values are provided. In addition, the book's FTP site houses supplemental data sets and solutions for further practice.

Extensively classroom tested, *Nonparametric Statistics for Non-Statisticians* is an ideal book for courses on nonparametric statistics at the upper-undergraduate and graduate levels. It is also an excellent reference for professionals and researchers in the social, behavioral, and health sciences who seek a review of nonparametric methods and relevant applications.

Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach By Gregory W. Corder, Dale I. Foreman Bibliography

- Sales Rank: #1914238 in Books
- Published on: 2009-05-26
- Original language: English
- Number of items: 1
- Dimensions: 9.50" h x .70" w x 6.30" l, 1.05 pounds
- Binding: Hardcover
- 264 pages

Editorial Review

Review
"This would be a very useful resource for courses in nonparametric statistics in which the emphasis is on applications rather than on theory. It also deserves a place in libraries of all institutions where introductory statistics courses are taught." (*CHOICE*, March 2010)

From the Back Cover
A practical and understandable approach to nonparametric statistics for researchers across diverse areas of study

As the importance of nonparametric methods in modern statistics continues to grow, these techniques are being increasingly applied to experimental designs across various fields of study. However, researchers are not always properly equipped with the knowledge to correctly apply these methods. *Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach* fills a void in the current literature by addressing nonparametric statistics in a manner that is easily accessible for readers with a background in the social, behavioral, biological, and physical sciences.

Each chapter follows the same comprehensive format, beginning with a general introduction to the particular topic and a list of main learning objectives. A nonparametric procedure is then presented and accompanied by context-based examples that are outlined in a step-by-step fashion. Next, SPSS® screen captures are used to demonstrate how to perform and recognize the steps in the various procedures. Finally, the authors identify and briefly describe actual examples of corresponding nonparametric tests from diverse fields.

Using this organized structure, the book outlines essential skills for the application of nonparametric statistical methods, including how to:

- Test data for normality and randomness
- Use the Wilcoxon signed rank test to compare two related samples
- Apply the Mann-Whitney U test to compare two unrelated samples
- Compare more than two related samples using the Friedman test
- Employ the Kruskal-Wallis H test to compare more than two unrelated samples
- Compare variables of ordinal or dichotomous scales
- Test for nominal scale data

A detailed appendix provides guidance on inputting and analyzing the presented data using SPSS®, and supplemental tables of critical values are provided. In addition, the book's FTP site houses supplemental data sets and solutions for further practice.

Extensively classroom tested, *Nonparametric Statistics for Non-Statisticians* is an ideal book for courses on nonparametric statistics at the upper-undergraduate and graduate levels. It is also an excellent reference for professionals and researchers in the social, behavioral, and health sciences who seek a review of nonparametric methods and relevant applications.

About the Author

Gregory W. Corder is adjunct instructor of undergraduate physics and general science for the College of Science and Mathematics at James Madison University and adjunct instructor of graduate educational statistics for the School of Education and Human Development in the College of Arts and Sciences at Shenandoah University.

Dale I. Foreman is associate professor in the School of Education and Human Development in the College of Arts and Sciences at Shenandoah University, where his teaching is focused on research, measurement, and statistics.

Users Review

From reader reviews:

Thomas Depew:

Book is written, printed, or highlighted for everything. You can realize everything you want by a publication. Book has a different type. As it is known to us that book is important matter to bring us around the world. Close to that you can your reading skill was fluently. A e-book Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach will make you to be smarter. You can feel much more confidence if you can know about everything. But some of you think that open or reading some sort of book make you bored. It isn't make you fun. Why they can be thought like that? Have you looking for best book or suited book with you?

Arthur Dickison:

This Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach are usually reliable for you who want to be a successful person, why. The key reason why of this Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach can be one of several great books you must have is actually giving you more than just simple studying food but feed anyone with information that possibly will shock your before knowledge. This book is handy, you can bring it almost everywhere and whenever your conditions throughout the e-book and printed types. Beside that this Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach forcing you to have an enormous of experience including rich vocabulary, giving you demo of critical thinking that we know it useful in your day exercise. So , let's have it and revel in reading.

John Folsom:

Reading a reserve can be one of a lot of activity that everyone in the world loves. Do you like reading book thus. There are a lot of reasons why people enjoy it. First reading a reserve will give you a lot of new details. When you read a book you will get new information due to the fact book is one of various ways to share the information or maybe their idea. Second, studying a book will make anyone more imaginative. When you studying a book especially tale fantasy book the author will bring you to definitely imagine the story how the personas do it anything. Third, it is possible to share your knowledge to other individuals. When you read this Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach, you could tells your family, friends and soon about yours reserve. Your knowledge can inspire average, make them reading a publication.

Lisa Yang:

A lot of e-book has printed but it takes a different approach. You can get it by net on social media. You can choose the most effective book for you, science, comedy, novel, or whatever simply by searching from it. It is named of book Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach. You can contribute your knowledge by it. Without leaving behind the printed book, it might add your knowledge and make you actually happier to read. It is most crucial that, you must aware about reserve. It can bring you from one location to other place.

Download and Read Online Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach By Gregory W. Corder, Dale I. Foreman #ICJ69NDT5GV

Read Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach By Gregory W. Corder, Dale I. Foreman for online ebook

Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach By Gregory W. Corder, Dale I. Foreman 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 Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach By Gregory W. Corder, Dale I. Foreman books to read online.

Online Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach By Gregory W. Corder, Dale I. Foreman ebook PDF download

Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach By Gregory W. Corder, Dale I. Foreman Doc

Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach By Gregory W. Corder, Dale I. Foreman Mobipocket

Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach By Gregory W. Corder, Dale I. Foreman EPub

ICJ69NDT5GV: Nonparametric Statistics for Non-Statisticians: A Step-by-Step Approach By Gregory W. Corder, Dale I. Foreman