Statistical Analysis Quick Reference Guidebook With Spss Examples

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the updated second edition of alan c elliott and wayne a woodward s cut to the chase ibm spss guide quickly explains the when where and how of statistical data analysis as it is used for real world decision making in a wide variety of disciplines this one stop reference provides succinct guidelines for performing an analysis using spss software avoiding pitfalls interpreting results

and reporting outcomes written from a practical perspective ibm spss by example second edition provides a wealth of information from assumptions and design to computation interpretation and presentation of results to help users save time money and frustration

a practical cut to the chase handbook that quickly explains the when where and how of statistical data analysis as it is used for real world decision making in a wide variety of disciplines in this one stop reference the authors provide succinct guidelines for performing an analysis avoiding pitfalls interpreting results and reporting outcomes

the second edition of this popular guide demonstrates the process of entering and analyzing data using the latest version of spss 12 0 and is also appropriate for those using earlier versions of spss the book is easy to follow because all procedures are outlined in a step by step format designed for the novice user students are introduced to the rationale of statistical tests and detailed explanations of results are given through clearly annotated examples of spss output topics covered range from descriptive statistics through multiple regression analysis in addition this guide includes topics not typically covered in other books such as probability theory interaction effects in analysis of variance factor analysis and scale reliability chapter exercises reinforce the text examples and may be performed for further practice for homework assignments or in computer laboratory sessions this book can be used in two ways as a stand alone manual for students wishing to learn data analysis techniques using spss for windows or in research and statistics courses to be used with a basic statistics text the book provides hands on experience with actual data sets helps students choose appropriate statistical tests illustrates the meaning of results and provides exercises to be completed for further practice or as homework assignments instructions are provided for using the world wide to obtain the data sets to be analyzed with this guide students learn how to conduct reasonably sophisticated statistical analyses using spss while gaining insight into the nature and purpose of statistical investigation susan b gerber ph d is assistant professor of education at state university of new york at buffalo she is director of the educational technology program and holds degrees in statistics and educational psychology kristin voelkl finn ph d is assistant professor of education at canisius college she teaches graduate courses in research methodology and conducts research on adolescent problem behavior

spss syntax is the command language used by spss to carry out all of its commands and functions jacqueline collier s book is primarily aimed at people who have never used the syntax option in spss or have just started to use it this is an introductory text designed to show readers how to try using syntax themselves and to then support them through its use it is ideal for those who are experienced in using spss through the usual button menu driven graphical interface gif but

who are novices regarding syntax

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designed for use by novice computer users this text begins with the basics such as starting spss defining variables and entering and saving data all major statistical techniques covered in beginning statistics classes are included descriptive statistics graphing data prediction and association parametric inferential statistics nonparametric inferential statistics statistics for test construction each section starts with a brief description of the statistic that is covered and important underlying assumptions which help students select appropriate statistics each section describes how to interpret results and express them in a research report after the data are analyzed for example students are shown how to phrase the results of a significant and an insignificant t test more than 200 screenshots including sample output throughout the book show students exactly what to expect as they follow along using spss a glossary of statistical terms is included which makes a handy reference for students who need to review the meanings of basic statistical terms practice exercises throughout the book give students stimulus material to use as they practice to achieve mastery of the program thoroughly field tested your students are certain to appreciate this book

this is a complete guide to statistics and spss for social science students statistics with spss for social science provides a step by step explanation of all the important statistical concepts tests and procedures it is also a guide to getting started with spss and includes screenshots to illustrate explanations with examples specific to social sciences this text is essential for any student in this area

alan c elliott and wayne a woodward s quick guide to ibm spss statistical analysis with step by

step examples gives students the extra guidance with spss they need without taking up valuable in class time a practical accessible guide for using software while doing data analysis in the social sciences students can learn spss on their own allowing instructors to focus on the concepts and calculations in their lectures rather than spss tutorials designed to work across disciplines the authors have provided a number of spss step by step examples in chapters showing the user how to plan a study prepare data for analysis perform the analysis and interpret the output from spss the new third edition covers ibm spss version 25 includes a new section on syntax and all chapters have been updated to reflect current menu options along with many spss screenshots making the process much simpler for the user in addition helpful hints and insights are provided through the features tips and caveats and sidebars

social research methods by example sharpens students understanding of the research process and the essential research methods and tools that researchers use to perform their work on the cutting edge of the social sciences the text is broken up into three major sections the first provides a foundation for conducting research and forming a research question executing an ethical approach and drawing upon relevant theories and literature the second provides a fully illustrated overview of different research methods including qualitative and quantitative design constructing and administering surveys and carrying out experiments the authors conclude the text by considering notable current controversies and methodological changes that are impacting the discipline the new edition offers expanded content on key statistical packages for conducting social research and takes readers behind the scenes of writing and presenting a research paper with annotated examples and step by step guidance far more than an introduction to the principles of social science research this book leaves students with the skills and the applied know how to carry out their own it is an excellent resource for methods courses across the social sciences

this companion to the new statistical analysis of data by anderson and finn provides a hands on guide to data analysis using spss included with this guide are instructions for obtaining the data sets to be analysed via the world wide first the authors provide a brief review of using spss and then corresponding to the organisation of the new statistical analysis of data readers participate in analysing many of the data sets discussed in the book in so doing students both learn how to conduct reasonably sophisticated statistical analyses using spss whilst at the same time gaining an insight into the nature and purpose of statistical investigation

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this book is a self teaching guide to the spss for windows computer package it is designed to be used with spss version 8 0 and beyond although many of the procedures are also applicable to earlier versions of spss this guide is ex tremely easy to follow since all procedures are outlined in a straightforward step by step format because of its self instructional nature the beginning stu dent can learn to analyze statistical data with spss without outside assistance the reader is walked through numerous examples that illustrate how to use the spss package the results produced by spss are shown and discussed in each application each chapter demonstrates statistical procedures and provides exer cises that reinforce the text examples and can be performed for further practice chapter 1 of this guide describes how to start the spss program and how to open data files chapters 2 through 16 give descriptions of statistical procedures which assume that a data file has been opened this manual describes basic de scriptive statistics through multiple regression analysis with three chapters 7 9 that discuss probability theory simple definitions of statistical concepts are pro vided for each procedure

this is a general and integrated introduction to qualitative and quantitative research design data collection and analysis in the social sciences field and includes comprehensive and practical instruction including screenshots on the use of analysis software

key methods in geography is an introduction for undergraduates to the principal methodological issues involved in the collection analysis and presentation of geographical information it provides an accessible primer which will be used by students as a reference throughout their degree on all issues from research design to presentation a unique feature of the book is that it provides definitions of terms from both human geography and physical geography organized into four parts getting started in geographical research data collection in human geography data collection in physical geography analyzing and representing geographical data each chapter is comprised of a short definition a summary of the principal arguments a substantive 5 000 word discussion the use of real life examples and annotated notes for further reading the teaching of research methods is integral in all geography courses key methods in geography identifies the key analytical and observational strategies with which all geography undergraduates should be conversant

an introduction to the system data definition and management data analysis and reporting

the authors are proud sponsors of the 2020 sage keith roberts teaching innovations award enabling graduate students and early career faculty to attend the annual asa pre conference teaching and learning workshop the ninth edition of social statistics for a diverse society continues to emphasize intuition and common sense while demonstrating the link between the practice of statistics and important social issues recognizing that we live in a world characterized by a growing diversity and richness of social differences best selling authors frankfort nachmias leon guerrero and davis help students learn key statistical concepts through real research examples related to the dynamic interplay of race class gender and other social variables the text also helps readers develop important skills such as problem solving through a rich variety of exercises use of statistical software both spss and excel and interpreting research literature included with this title the password protected instructor resource site formally known as sage edge offers access to all text specific resources including a test bank and editable chapter specific powerpoint slides

this quick simple and user friendly introduction to spss for windows has now been updated so that it can be used with versions 14 to 16 of the software for this edition a section has been added on partial correlation together with new material on sorting classifying and coding data inserting variables and cases and paneling charts and graphs and the chapter on charts and graphs has been completely rewritten in line with changes to the spss chart builder the supporting website allows data sets used in the book to be downloaded from the internet and provides additional examples from various social science disciplines the fourth edition retains all of the features that have made the text so attractive to students and teachers the material is concise and focused enabling most users to learn the basics comfortably within 10 hours all the most widely used statistical techniques and graphic facilities in spss for windows are clearly described every statistical procedure is explained with the help of a step by step analysis of a numerical example taken from real data in published research the authors have chosen small data sets so that readers do not waste unnecessary time inputting data screenshots on the page make it easy for students to cross between the text and the screen online support material to accompany the text is available at blackwellpublishing com crashcourse

the book introduces the most important statistical methods for analyzing multivariate data sets after reading the book the reader female male is able to autonomously carry out comprehensive statistical analyzes of data the steps for finding a solution with spss are shown in the book the individual procedures are explained using easy to understand examples to ensure learning

success previous knowledge of statistics is helpful for reading the book but not essential the procedures presented are plausible even without prior basic knowledge of statistics this book was written over a period of twenty semesters and benefited from the questions raised by the listeners in my lecture

introduction to statistics with spss offers an introduction to statistics that can be used before during or after a course on statistics covering a wide range of terms and techniques including simple and multiple regressions this book guides the student to enter data from a simple research project into a computer provide an adequate analysis of the data and present a report on the findings

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