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A greatly expanded and heavily revised second edition, this popular guide provides instructions and clear examples for running analyses of

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variance (ANOVA) and several other related statistical tests of significance with SPSS. No other guide offers the program statements required for the more advanced tests in analysis of variance. All of the programs in the book can be run

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using any version of SPSS, including versions 11 and 11.5. A table at the end of the preface indicates where each type of analysis (e.g., simple comparisons) can be found for each type of design (e.g., mixed two-factor design).

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Providing comprehensive coverage of the basic and advanced topics in ANOVA, this is the only book available that provides extensive coverage of SPSS syntax, including the commands and subcommands that tell SPSS what to do, as well as

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the pull-down menu point-and-click method (PAC). Detailed explanation of the syntax, including what is necessary, desired, and optional helps ensure that users can validate the analysis being performed. The book features the output of each

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design along with a complete explanation of the related printout. The new edition was reorganized to provide all analysis related to one design type in the same chapter. It now features expanded coverage of analysis of covariance (ANCOVA)

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and mixed designs, new chapters on designs with random factors, multivariate designs, syntax used in PAC, and all new examples of output with complete explanations. The new edition is accompanied by a CD-ROM with all of the book's

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data sets, as well as exercises for each chapter. This book is ideal for readers familiar with the basic concepts of the ANOVA technique including both practicing researchers and data analysts, as well as advanced students learning

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analysis of variance.

SPSS is enormously powerful – and challenging to learn. This popular handbook lets students get hands-on with the statistical procedures they need. Full colour screen shots, step-by-step guidance and examples with

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annotated outputs help students learn. For students of psychology, marketing and research in any discipline. An essential practical guide to using the latest version of IBM SPSS Statistics. New, print versions of this book come with

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bonus online study tools on the
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This new edition of one of the most
widely read textbooks in its field
introduces the reader to data

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analysis with the most powerful and versatile statistical package on the market: IBM SPSS Statistics 19. Each new release of SPSS Statistics features new options and other improvements. There remains a core of fundamental operating principles

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and techniques which have continued to apply to all releases issued in recent years and have been proved to be worth communicating in a small volume. This practical and informal book combines simplicity and clarity of presentation

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with a comprehensive treatment of the use of IBM SPSS Statistics 19 for the description, exploration and confirmation of data. As in earlier editions, coverage has been extended to address the issues raised by readers since the previous

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edition. In this edition, there is an introduction to the Analysis of Covariance (ANCOVA). Each statistical technique is presented in a realistic research context and is fully illustrated with annotated screen shots of SPSS dialog boxes and

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output. The first chapter sets the scene with a survey of typical research situations, key terms and clear signposts to the location of each technique in the book. It also offers guidance on the choice of statistical techniques, and advice

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(based on the American Psychological Association's guidelines) on how to report the results of a statistical analysis. The next chapters introduce the reader to the use of SPSS, beginning with the entry, description and exploration of

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data. There is also a full description of the capabilities of the versatile Chart Builder. Each of the remaining chapters concentrates on one particular kind of research situation and the statistical techniques that are appropriate. In

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summary, IBM SPSS Statistics 19 Made Simple Gets you started with SPSS. Shows you how to describe and explore a data set with the help of SPSS's extensive graphics and data-handling menus. Helps you to choose appropriate statistical

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techniques. Warns you of pitfalls arising from the misuse of statistics. Shows you how to report the results of a statistical analysis. Shows you how to use Syntax to implement some useful procedures and operations. Introduces the reader to

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the analysis of covariance (ANCOVA) Has a comprehensive glossary. Is now presented in an attractive two-colour format. The book's accompanying website contains datasets for the chapters of the book, as well as a large body of

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exercises (with data sets), and notes on statistical terms. Instructor resources include a PowerPoint lecture course and Multiple-Choice Question tests, which are also available free of charge to lecturers adopting the book and their students.

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Please visit <http://www.psypress.com/spss-made-simple> for more details.

This straightforward primer in basic statistics emphasises its practical use in epidemiology and public health, providing an understanding of

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essential topics such as study design, data analysis and statistical methods used in the execution of medical research.

Designed to help students analyze and interpret research data using IBM SPSS, this user-friendly book,

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written in easy-to-understand language, shows readers how to choose the appropriate statistic based on the design, and to interpret outputs appropriately. The authors prepare readers for all of the steps in the research process: design,

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entering and checking data, testing assumptions, assessing reliability and validity, computing descriptive and inferential parametric and nonparametric statistics, and writing about outputs. Dialog windows and SPSS syntax, along with the output,

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are provided. Three realistic data sets, available on the Internet, are used to solve the chapter problems. The new edition features: Updated to IBM SPSS version 20 but the book can also be used with older and newer versions of SPSS. A new

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chapter (7) including an introduction to Cronbach's alpha and factor analysis. Updated Web Resources with PowerPoint slides, additional activities/suggestions, and the answers to even-numbered interpretation questions for the

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instructors, and chapter study guides
and outlines and extra SPSS
problems for the students. The web
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data files to accompany the book at www.routledge.com/9781848729827. IBM SPSS for Introductory Statistics, Fifth Edition provides helpful teaching tools: All of the key IBM SPSS windows needed to perform the analyses. Complete

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outputs with call-out boxes to highlight key points. Flowcharts and tables to help select appropriate statistics and interpret effect sizes. Interpretation sections and questions help students better understand and interpret the output. Assignments

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organized the way students proceed when they conduct a research project. Examples of how to write about outputs and make tables in APA format. Helpful appendices on how to get started with SPSS and write research questions. An ideal

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supplement for courses in either statistics, research methods, or any course in which SPSS is used, such as in departments of psychology, education, and other social and health sciences. This book is also appreciated by researchers interested

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in using SPSS for their data
analysis.

A Step-By-Step Guide to Analysis
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Use and Interpretation, Fifth Edition

How to Use SPSS®

IBM SPSS Statistics Excellent

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Guide

IBM SPSS Statistics 23 Step by
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North American Edition

A Practical Guide To

Randomization Tests

Marketing researchers,

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companies and business schools need to be able to use statistical procedures correctly and accurately interpret the outputs, yet generally these people are scared off by the statistics behind the different analyses

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procedures, thus they often rely on external sources to come up with profound answers to the proposed research questions. In an accessible and step by step approach, the authors show readers which procedures to use

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in which particular situation and how to practically execute them using IBM(R) SPSS Statistics. IBM(R) is one of the largest statistical software providers world-wide and their IBM(R) SPSS Statistics software offers a

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very user-friendly environment. The program uses a simple drag-and-drop menu interface, which is also suitable for non-experienced programmers. It is widely employed in companies and many business schools also

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use this software package. This straightforward, pragmatic reference manual will help: professional marketers who use statistical procedures in in IBM(R) SPSS Statistics; undergraduate and postgraduate

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students where marketing research and research methodology are taught; all researchers analyzing survey-based data in a wide range of frontier domains like psychology, finance, accountancy,

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negotiation, communication,
sociology, criminology,
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systems, etc. IBM(R)'s next-
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solutions help organizations of all
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have the freedom and confidence to make smarter decisions that better address your business imperatives. A clear, lively and data-centric introduction to statistics with integrated SPSS (version 22)

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commands. Features a new chapter on research design. This accessible, practice-oriented and compact text provides a hands-on introduction to market research. Using the market research process as a

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framework, it explains how to collect and describe data and presents the most important and frequently used quantitative analysis techniques, such as ANOVA, regression analysis, factor analysis and cluster

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analysis. The book describes the theoretical choices a market researcher has to make with regard to each technique, discusses how these are converted into actions in IBM SPSS version 22 and how to

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interpret the output. Each chapter concludes with a case study that illustrates the process using real-world data. A comprehensive Web appendix includes additional analysis techniques, datasets, video files

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and case studies. Tags in the text allow readers to quickly access Web content with their mobile device. The new edition features: Stronger emphasis on the gathering and analysis of secondary data (e.g., internet

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and social networking data) New material on data description (e.g., outlier detection and missing value analysis) Improved use of educational elements such as learning objectives, keywords, self-assessment tests,

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case studies, and much more
Streamlined and simplified
coverage of the data analysis
techniques with more rules-of-
thumb Uses IBM SPSS version
22

Introduces students to a range of

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commonly used statistical procedures typically included in the curricula of undergraduate applied statistics and research methodology units. This text takes a hands-on approach to the subject matter, working

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through each procedure in an illustrated, step-by-step fashion. A text that helps you conduct statistical analyses using PASW Statistics by SPSS (version 18.0). Drawing on relevant examples from a range of

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disciplines, it introduces and then visually guides you through a range of common SPSS/PASW Statistics procedures.

Applied Multivariate Statistics for
the Social Sciences

A Concise Guide to Market

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Research

Linear Mixed Models

SPSS Statistics for Data

Analysis and Visualization

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A Quick and Easy Guide to
IBM® SPSS® Statistics, STATA,
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Analyses with SAS and IBM's
SPSS, Sixth Edition

Dive deeper into SPSS Statistics for more
efficient, accurate, and sophisticated data

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analysis and visualization SPSS Statistics for Data Analysis and Visualization goes beyond the basics of SPSS Statistics to show you advanced techniques that exploit the full capabilities of SPSS. The authors explain when and why to use each technique, and then walk you through the execution with a

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pragmatic, nuts and bolts example. Coverage includes extensive, in-depth discussion of advanced statistical techniques, data visualization, predictive analytics, and SPSS programming, including automation and integration with other languages like R and Python. You'll learn the best methods to power

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through an analysis, with more efficient, elegant, and accurate code. IBM SPSS Statistics is complex: true mastery requires a deep understanding of statistical theory, the user interface, and programming. Most users don't encounter all of the methods SPSS offers, leaving many little-known modules

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undiscovered. This bookwalks you through tools you may have never noticed, and shows you how they can be used to streamline your workflow and enable you to produce more accurate results. Conduct a more efficient and accurate analysis Display complex relationships and create

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better visualizations Model complex interactions and master predictive analytics Integrate R and Python with SPSS Statistics for more efficient, more powerful code These "hidden tools" can help you produce charts that simply wouldn't be possible any other way, and the support for

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other programming languages gives you better options for solving complex problems. If you're ready to take advantage of everything this powerful software package has to offer, SPSS Statistics for Data Analysis and Visualization is the expert-led training you need.

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Holistic approach to understanding medical statistics This hands-on guide is much more than a basic medical statistics introduction. It equips you with the statistical tools required for evidence-based clinical research. Each chapter provides a clear step-by-step guide to each statistical test with practical

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instructions on how to generate and interpret the numbers, and present the results as scientific tables or graphs. Showing you how to: analyse data with the help of data set examples (Click here to download datasets) select the correct statistics and report results for publication or presentation understand

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and critically appraise results reported in the literature Each statistical test is linked to the research question and the type of study design used. There are also checklists for critically appraising the literature and web links to useful internet sites. Clear and concise explanations, combined with plenty of examples and

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tabulated explanations are based on the authors' popular medical statistics courses. Critical appraisal guidelines at the end of each chapter help the reader evaluate the statistical data in their particular contexts.

SPSS Statistics: A Practical Guide with
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Using IBM® SPSS® Statistics: An Interactive Hands-On Approach, Third Edition gives readers an accessible and comprehensive guide to walking through SPSS®, providing them with step-by-step knowledge for effectively analyzing their

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data. From entering data to working with existing databases, and working with the help menu through performing factor analysis, Using IBM® SPSS® Statistics covers every aspect of SPSS® from introductory through intermediate statistics. The book is divided into parts that focus on mastering SPSS® basics,

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dealing with univariate statistics and graphing, inferential statistics, relational statistics, and more. Written using IBM® SPSS® version 25 and 24, and compatible with the earlier releases, this book is one of the most comprehensive SPSS® guides available.

Advanced Statistics for Kinesiology and

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Exercise Science is the first textbook to cover advanced statistical methods in the context of the study of human performance. Divided into three distinct sections, the book introduces and explores in depth both analysis of variance (ANOVA) and regressions analyses, including chapters on:

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preparing data for analysis; one-way, factorial, and repeated-measures ANOVA; analysis of covariance and multiple analyses of variance and covariance; diagnostic tests; regression models for quantitative and qualitative data; model selection and validation; logistic regression Drawing clear lines

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between the use of IBM SPSS Statistics software and interpreting and analyzing results, and illustrated with sport and exercise science-specific sample data and results sections throughout, the book offers an unparalleled level of detail in explaining advanced statistical techniques to kinesiology students.

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Advanced Statistics for Kinesiology and Exercise Science is an essential text for any student studying advanced statistics or research methods as part of an undergraduate or postgraduate degree programme in kinesiology, sport and exercise science, or health science. A Conceptual Guide to Statistics Using

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SPSS

A Practical Interactive Guide to
Epidemiology and Statistics
Advanced Statistics for Kinesiology and
Exercise Science

SPSS Statistics Version 22

Basic Statistics and Epidemiology
Adventures in Social Research

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Using IBM SPSS Statistics

This book is a practical guide to help researchers draw valid causal inferences from small-scale clinical intervention studies. It should be of interest to teachers of, and students in, courses with an experimental clinical component, as well as clinical researchers. Inferential statistics

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used in the analysis of group data are frequently invalid for use with data from single-case experimental designs. Even non-parametric rank tests provide, at best, approximate solutions for only some single-case (and small-n) designs. Randomization (Exact) tests, on the other hand, can provide valid statistical analyses for all designs that

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incorporate a random procedure for assigning treatments to subjects or observation periods, including single-case designs. These Randomization tests require large numbers of data rearrangements and have been seldom used, partly because desktop computers have only recently become powerful enough to complete the

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analyses in a reasonable time. Now that the necessary computational power is available, they continue to be under-used because they receive scant attention in standard statistical texts for behavioral researchers and because available programs for running the analyses are relatively inaccessible to researchers with limited statistical or

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computing interest. This book is first and foremost a practical guide, although it also presents the theoretical basis for Randomization tests. Its most important aim is to make these tests accessible to researchers for a wide range of designs. It does this by providing programs on CD-ROM that allow users to run analyses of

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their data within a standard package (Minitab, Excel, or SPSS) with which they are already familiar. No statistical or computing expertise is required to use these programs. This is the "new stats" for single-case and small-n intervention studies, and anyone interested in this research approach will benefit.

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IBM SPSS Statistics Excellent Guide is an excellent illustrative point-by-point easy to use guide that guarantees everyone the revolutionary skills of data analysis with SPSS Statistics. What if you can personally analyze different sorts of research data accurately without a hand-held calculator? Yes, you can. Each user of the book can

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with all accuracy, perform data analysis expertly and lucidly interpret the output, even if it is his first day of utilizing SPSS. IBM SPSS Statistics is renowned as a most powerful and widely used software for data analysis in the social and behavioral sciences, particularly, and in other several different fields of endeavor. Currently,

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practical analytic skills with statistical software as demonstrated in this book are necessarily required to be a researcher or scientist. Peter James Kpolovie has provided a superb guide that thoroughly presents SPSS dialog boxes selection method and SPSS syntax method for myriads of introductory and advanced statistical

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techniques, including: Descriptive statistics Comparison of means with t Test techniques and Analysis of Variance models General Linear Models Univariate, Repeated measures and Mixed analysis Analysis of Covariance To accurately analyze large complex dataset collected for a given research, has consistently remained a major

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challenge to the investigator even before the actual problem that he has set out to investigate. Kpolovie has superbly eliminated such challenge as every user can with most exceptional ease, follow the complete procedural steps, famously illustrated in the book, to personally analyze various sorts of data impeccably. Buy a

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copy now and acquire mastery of the new skills.

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

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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,

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and presentation of results—to help users save time, money, and frustration.

This guide is for practicing statisticians and data scientists who use IBM SPSS for statistical analysis of big data in business and finance. This is the first of a two-part guide to SPSS for Windows, introducing data entry into SPSS, along with elementary

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statistical and graphical methods for summarizing and presenting data. Part I also covers the rudiments of hypothesis testing and business forecasting while Part II will present multivariate statistical methods, more advanced forecasting methods, and multivariate methods. IBM SPSS Statistics offers a powerful set of

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statistical and information analysis systems that run on a wide variety of personal computers. The software is built around routines that have been developed, tested, and widely used for more than 20 years. As such, IBM SPSS Statistics is extensively used in industry, commerce, banking, local and national governments, and education. Just a

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small subset of users of the package include the major clearing banks, the BBC, British Gas, British Airways, British Telecom, the Consumer Association, Eurotunnel, GSK, TfL, the NHS, Shell, Unilever, and W.H.S. Although the emphasis in this guide is on applications of IBM SPSS Statistics, there is a need for users to be aware of the

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statistical assumptions and rationales underpinning correct and meaningful application of the techniques available in the package; therefore, such assumptions are discussed, and methods of assessing their validity are described. Also presented is the logic underlying the computation of the more commonly used test statistics in the

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area of hypothesis testing. Mathematical background is kept to a minimum.

IBM SPSS Statistics 27 Step by Step: A Simple Guide and Reference, seventeenth edition, takes a straightforward, step-by-step approach that makes SPSS software clear to beginners and experienced researchers alike. Extensive use of four-color screen shots,

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clear writing, and step-by-step boxes guide readers through the program. Output for each procedure is explained and illustrated, and every output term is defined. Exercises at the end of each chapter support students by providing additional opportunities to practice using SPSS. This book covers the basics of statistical analysis and addresses

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more advanced topics such as multidimensional scaling, factor analysis, discriminant analysis, measures of internal consistency, MANOVA (between- and within-subjects), cluster analysis, Log-linear models, logistic regression, and a chapter describing residuals. The end sections include a description of data files used in

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exercises, an exhaustive glossary, suggestions for further reading, and a comprehensive index. IBM SPSS Statistics 27 Step by Step is distributed in 85 countries, has been an academic best seller through most of the earlier editions, and has proved an invaluable aid to thousands of researchers and students. New to this

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edition: Screenshots, explanations, and step-by-step boxes have been fully updated to reflect SPSS 27 A new chapter on a priori power analysis helps researchers determine the sample size needed for their research before starting data collection.

An Integrative Approach

Single-case and Small-n Experimental

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Designs

Marketing Research with IBM® SPSS

Statistics

SPSS STATISTICS VERSION 22

Quantitative Analysis and IBM® SPSS®

Statistics

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A Guide for Business and Finance

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A friendly and approachable guide to real-world statistics, Practical Statistics for Nursing Using SPSS® covers the most common statistical functions in nursing science using plain language. Students learn by

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doing, and an emphasis on this practical approach is seen throughout the book with each chapter structured to answer key questions: What statistical test should I use for this situation? How do I set up the data? How

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do I run the test? How do I interpret and document the results? Practice exercises include a vignette, codebook, and data sets ready for processing, enabling students to achieve mastery by carrying out

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actual statistical analyses. Online resources for students are available at study.sagepub.com/statsfornursing and include data sets for examples and exercises, fully developed solutions to all odd-numbered

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exercises, and thorough tutorial videos providing an overview of each statistical method, step-by-step guidance on SPSS® processing, and interpretation of results. Online resources for instructors include Microsoft®

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PowerPoint® slides for each chapter and solutions to all exercises.

With an exciting new look, math diagnostic tool, and a research roadmap to navigate projects, this new edition of Andy Field's

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award-winning text offers a unique combination of humor and step-by-step instruction to make learning statistics compelling and accessible to even the most anxious of students. The Fifth Edition takes

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students from initial theory to regression, factor analysis, and multilevel modeling, fully incorporating IBM SPSS Statistics© version 25 and fascinating examples throughout. SAGE edge offers a

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exploration, keeping both
instructors and students on the
cutting edge of teaching and***

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check out news, access free stuff, see photos, watch videos, learn about competitions, and much more. Video Links Go behind the scenes and learn more about the man behind the book at Andy's YouTube channel

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Andy Field is the award winning author of An Adventure in Statistics: The Reality Enigma and is the recipient of the UK National Teaching Fellowship (2010), British Psychological Society book award (2006), and

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***has been recognized with local
and national teaching awards
(University of Sussex, 2015,
2016).***

***SPSS is enormously powerful -
and challenging to learn. This
popular handbook lets students***

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get hands on with the statistical procedures they need. Screen shots, step-by-step guidance and examples with annotated outputs help students learn. For students of psychology, marketing and research in any discipline. An

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***essential practical guide to using
SPSS.***

***Highly recommended by JASA,
Technometrics, and other
journals, the first edition of this
bestseller showed how to easily
perform complex linear mixed***

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model (LMM) analyses via a variety of software programs. Linear Mixed Models: A Practical Guide Using Statistical Software, Second Edition continues to lead readers step by step through the process of fitting LMMs. This

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second edition covers additional topics on the application of LMMs that are valuable for data analysts in all fields. It also updates the case studies using the latest versions of the software procedures and

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provides up-to-date information on the options and features of the software procedures available for fitting LMMs in SAS, SPSS, Stata, R/S-plus, and HLM. New to the Second Edition A new chapter on models with crossed

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inferences based on LMMs
Updated graphical procedures in
the software packages
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enable more efficient reading
and easier location of material on
selected topics or software

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***options More practical
recommendations on using the
software for analysis A new R
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who uses software for statistical***

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modeling, this book eliminates the need to read multiple software-specific texts by covering the most popular software programs for fitting LMMs in one handy guide. The authors illustrate the models and

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***methods through real-world
examples that enable
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Multivariate Statistics for the Social Sciences, continues to provide advanced students with a practical and conceptual understanding of statistical procedures through examples and data-sets from actual

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research studies. With the added expertise of co-author Keenan Pituch (University of Texas-Austin), this 6th edition retains many key features of the previous editions, including its breadth and depth of coverage, a

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***review chapter on matrix algebra,
applied coverage of MANOVA,
and emphasis on statistical
power. In this new edition, the
authors continue to provide
practical guidelines for checking
the data, assessing***

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***.routledge.com/9780415836661
with data sets and syntax from
the text, additional data sets, and
instructor's resources (including
PowerPoint lecture slides for
select chapters, a conversion
guide for 5th edition adopters,***

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and answers to exercises). Ideal for advanced graduate-level courses in education, psychology, and other social sciences in which multivariate statistics, advanced statistics, or quantitative techniques courses

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are taught, this book also appeals to practicing researchers as a valuable reference. Pre-requisites include a course on factorial ANOVA and covariance; however, a working knowledge of matrix algebra is

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not assumed.

***A Guide to Data Analysis and
Critical Appraisal***

***IBM SPSS Statistics 27 Step by
Step***

IBM SPSS for Introductory

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Statistics

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A Practical Guide : Version 18.0 Statistical Methods for Practice and Research

Bridging an understanding of

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from SPSS. Each chapter begins with a student-friendly explanation of the concept behind each statistical test and how the test relates to that concept. The authors then walk through the steps to compute the test in SPSS and the output,

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clearly linking how the SPSS procedure and output connect back to the conceptual underpinnings of the test. By drawing clear connections between the theoretical and computational aspects of statistics, this engaging text aids

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students' understanding of theoretical concepts by teaching them in a practical context. IBM SPSS Statistics 25 Step by Step: A Simple Guide and Reference, fifteenth edition, takes a straightforward, step-by-step approach that makes SPSS

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software clear to beginners and experienced researchers alike. Extensive use of four-color screen shots, clear writing, and step-by-step boxes guide readers through the program. Exercises at the end of each chapter support students by providing

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additional opportunities to practice using SPSS. This book covers both the basics of descriptive statistical analysis using SPSS through to more advanced topics such as multiple regression, multidimensional scaling and MANOVA, including

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instructions for Windows and Mac. This makes it ideal for both undergraduate statistics courses and for postgraduates looking to further develop their statistics and SPSS knowledge. New to this edition: Updated throughout to SPSS 25 Updated / restructured

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*material on: Chart Builder;
Univariate ANOVA; moderation
on two- and three-way ANOVA;
and Factor Analytic Techniques
(formerly Factor Analysis
structure) New material on
computing z and T scores, and on
computing z scores within*

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*descriptive statistics Clearer in-
chapter links between the type of
data and type of research
question that the procedure can
answer Updated / additional
datasets, exercises, and
expanded Companion Website
material, including Powerpoint*

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slides for instructors

IBM SPSS Statistics 26 Step by Step: A Simple Guide and Reference, sixteenth edition, takes a straightforward, step-by-step approach that makes SPSS software clear to beginners and experienced researchers alike.

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Extensive use of four-color screen shots, clear writing, and step-by-step boxes guide readers through the program. Output for each procedure is explained and illustrated, and every output term is defined. Exercises at the end of each chapter support students by

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providing additional opportunities to practice using SPSS. This book covers the basics of statistical analysis and addresses more advanced topics such as multi-dimensional scaling, factor analysis, discriminant analysis, measures

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of internal consistency, MANOVA (between- and within-subjects), cluster analysis, Log-linear models, logistic regression and a chapter describing residuals. Back matter includes a description of data files used in exercises, an exhaustive glossary,

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suggestions for further reading and a comprehensive index. IMB SPSS Statistics 26 Step by Step is distributed in 85 countries, has been an academic best seller through most of the earlier editions, and has proved invaluable aid to thousands of

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researchers and students. New to this edition: Screenshots, explanations, and step-by-step boxes have been fully updated to reflect SPSS 26 How to handle missing data has been revised and expanded and now includes a detailed explanation of how to

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*create regression equations to
replace missing data More
explicit coverage of how to report
APA style statistics; this primarily
shows up in the Output sections
of Chapters 6 through 16, though
changes have been made
throughout the text.*

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This study guide is written for students who are looking for understanding on statistical techniques application in their graduation research and how to analyze their data in SPSS. It is also written for practicing researchers who want to update

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their statistical knowledge condensed in study guide fashion with relevant examples without flooding too much mathematics. Having said that students can use this book to prepare for demanding job opportunities. The author had tried to write the

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guide in practical way so that students can simulate work experience while still at campus. Every statistical study tested is presented with hand calculation as well as on SPSS to reinforce interpretation of the analysis result. The study guide clearly

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demonstrates both in theory and in SPSS parametric test for one sample, two sample and k samples as well as their non-parametric counterparts.

There is a growing trend these days to use statistical methods to comprehend and explain various

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situations and phenomena in different disciplines. Managers, social scientists and practicing researchers are increasingly collecting information and applying scientific methods to analyze the data. The ability to use statistical methods and tools

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becomes a crucial skill for the success of such efforts. This book is designed to assist students, managers, academics and researchers in solving statistical problems using SPSS and to help them understand how they can apply various statistical tools for

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their own research problems. SPSS is a very powerful and user friendly computer package for data analyses. It can take data from most other file types and generate tables, charts, plots, and descriptive statistics, and conduct complex statistical

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analyses. After providing a brief overview of SPSS and basic statistical concepts, the book covers:

- *Descriptive statistics*
- *t-tests, chi-square tests and ANOVA*
- *Correlation analysis*
- *Multiple and logistics regression*
- *Factor analysis and testing*

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scale reliability - Advanced data handling Illustrated with simple, practical problems, and screen shots, this book outlines the steps for solving statistical problems using SPSS. Although the illustrations are based on version 16.0 of SPSS, users of the

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earlier versions will find the book equally useful and relevant.

Written in a reader-friendly, non-technical style, this book will serve as a companion volume to any statistics textbook.

IBM SPSS Statistics 26 Step by Step

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*A Practical Guide to ANOVA and
Regression Analyses*

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*A Guide to Doing Statistics in
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Statistics Using IBM SPSS

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*IBM SPSS by Example
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Approach*

*This supplementary book for the
social, behavioral, and health sciences
helps readers with no prior knowledge
of IBM® SPSS® Statistics, statistics,
or mathematics learn the basics of*

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SPSS. Designed to reduce fear and build confidence, Basic SPSS Tutorial by Manfred te Grotenhuis and Anneke Matthijssen guides readers through point-and-click sequences using clear examples from real scientific research and invites them to replicate the findings. Relevant outcomes are

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provided for reference, and exercises at the end of Chapters 2 – 5 provide additional practice. After reading the book and using the program, readers will come away with a basic knowledge of the most commonly used procedures in statistics.

This practical and highly visual text

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introduces students to a range of commonly used statistical procedures typically included in the curricula of undergraduate applied statistics and research methodology units. The text takes a hands-on approach to the subject matter, working through each procedure in an illustrated, step-by-

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step fashion. As well as a focus on a doinga , the authors also emphasise interpretation and reporting throughout using many examples with annotated SPSS output and explanations of how specific research findings can be communicated clearly and concisely. This valuable book shows second

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language researchers how to use the statistical program SPSS to conduct statistical tests frequently done in SLA research. Using data sets from real SLA studies, A Guide to Doing Statistics in Second Language Research Using SPSS shows newcomers to both statistics and

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SPSS how to generate descriptive statistics, how to choose a statistical test, and how to conduct and interpret a variety of basic statistical tests. It covers the statistical tests that are most commonly used in second language research, including chi-square, t-tests, correlation, multiple

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regression, ANOVA and non-parametric analogs to these tests. The text is abundantly illustrated with graphs and tables depicting actual data sets, and exercises throughout the book help readers understand concepts (such as the difference between independent and dependent

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variables) and work out statistical analyses. Answers to all exercises are provided on the book's companion website, along with sample data sets and other supplementary material. A perfect supplement for an introductory statics course. Quick Guide to IBM® SPSS®: Statistical

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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

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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

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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,

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helpful hints and insights are provided through the features "Tips and Caveats" and "Sidebars."

Click on the Supplements tab above for further details on the different versions of SPSS programs.

Statistical Analysis With Step-by-Step Examples

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This is a concise, easy to use, step-by-step guide for applied researchers conducting exploratory factor analysis (EFA) using the open source software R. In this book, Dr. Watkins systematically reviews each

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decision step in EFA with screen shots of R and RStudio code, and recommends evidence-based best practice procedures. This is an eminently applied, practical approach with few or no formulas and is aimed at readers

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with little to no mathematical background. Dr. Watkins maintains an accessible tone throughout and uses minimal jargon and formula to help facilitate grasp of the key issues users will face while applying

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EFA, along with how to implement, interpret, and report results. Copious scholarly references and quotations are included to support the reader in responding to editorial reviews. This is a valuable resource for

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upper-level undergraduate and postgraduate students, as well as for more experienced researchers undertaking multivariate or structure equation modeling courses across the behavioral, medical, and social

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sciences.

How to Use SPSS® is designed with the novice computer user in mind and for people who have no previous experience of using SPSS. Each chapter is divided into short sections that describe

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the statistic being used, important underlying assumptions, and how to interpret the results and express them in a research report. The book begins with the basics, such as starting SPSS, defining

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variables, and entering and saving data. It covers all major statistical techniques typically taught in beginning statistics classes, such as descriptive statistics, graphing data, prediction and association,

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parametric inferential statistics, nonparametric inferential statistics and statistics for test construction. More than 250 screenshots (including sample output) throughout the book show students exactly what to

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expect as they follow along using SPSS. The book includes a glossary of statistical terms and practice exercises. A complete set of online resources including video tutorials and output files for students, and PowerPoint slides

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important contemporary health research methods such as survival analysis, Cox regression, and meta-analysis, the understanding of which go beyond introductory concepts. The book includes self-

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assessment exercises
throughout to help students
explore and reflect on their
understanding and a
clear distinction is made between
a) knowledge and concepts that
all students should ensure they

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understand and b) those that can be pursued by students who wish to do so. The authors incorporate a program of practical exercises in SPSS using a prepared data set that helps to consolidate the theory and develop skills and

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confidence in data handling,
analysis and interpretation.
Making statistics—and statistical
software—accessible and
rewarding This book provides
readers with step-by-step
guidance on running a wide

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variety of statistical analyses in IBM® SPSS® Statistics, Stata, and other programs. Author David Kremelberg begins his user-friendly text by covering charts and graphs through regression, time-series analysis,

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and factor analysis. He provides a background of the method, then explains how to run these tests in IBM SPSS and Stata. He then progresses to more advanced kinds of statistics such as HLM and SEM, where he

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describes the tests and explains how to run these tests in their appropriate software including HLM and AMOS. This is an invaluable guide for upper-level undergraduate and graduate students across the social and

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behavioral sciences who need assistance in understanding the various statistical packages. IBM SPSS Statistics 23 Step by Step: A Simple Guide and Reference, 14e, takes a straightforward, step-by-step

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approach that makes SPSS software clear to beginners and experienced researchers alike. Extensive use of vivid, four-color screen shots, clear writing, and step-by-step boxes guide readers through the program.

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Exercises at the end of each chapter support students by providing additional opportunities to practice using SPSS. All datasets used in the book are available for download at: <https://www.routledge.com/products/>

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A Practical Guide

SPSS: a Practical Guide Version
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R and RStudio

A Practical Guide Using
Statistical Software, Second
Edition

The Process, Data, and Methods
Using IBM SPSS Statistics
Levine's Guide to SPSS for

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Analysis of Variance

*SPSS (Statistical
Package for the Social
Sciences) is a data
management and analysis
software that allows
users to generate solid,*

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*decision-making results
by performing
statistical analysis
This book provides just
the information needed:
installing the software,
entering data, setting*

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*up calculations, and
analyzing data Covers
computing cross
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descriptive ratios,
means, bivariate and
partial correlations,*

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*linear regression, and
much more Explains how
to output information
into striking charts and
graphs For ambitious
users, also covers how
to program SPSS to take*

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*their statistical
analysis to the next
level*

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Quantitative Methods for Health Research