



What is IBM SPSS Statistics

Spss Explained

Jicheng Xie



Spss Explained:

SPSS Explained Perry R. Hinton, Isabella McMurray, Charlotte Brownlow, 2004-12-01 Provides the student with all that they need to undertake statistical analysis using SPSS guiding them from the basic rationale behind the statistics through detailed explanations of the procedures to all aspects of the SPSS output [SPSS Explained](#) Perry Hinton, Dr, Perry R. Hinton, Isabella McMurray, Charlotte Brownlow, 2004-12 Provides the student with all that they need to undertake statistical analysis using SPSS guiding them from the basic rationale behind the statistics through detailed explanations of the procedures to all aspects of the SPSS output *How to Use SPSS®* Brian C. Cronk, 2024-01-15 How to Use SPSS is designed with the novice computer user in mind and for people who have no previous experience using SPSS Each chapter is divided into short sections that describe 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 variables and entering and saving data It covers all major statistical techniques typically taught in beginning statistics classes such a descriptive statistics graphing data prediction and association parametric inferential statistics nonparametric inferential statistics and statistics for test construction More than 275 screenshots including sample output throughout the book show students exactly what to 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 and test bank questions for instructors make How to Use SPSS the definitive field tested resource for learning SPSS New to this edition Fully updated to the reflect SPSS version 29 Every screen shot has been recaptured New video supplements for all practice exercises References to significance levels have been updated to reflect the new SPSS output format Effect size is now shown in output for many procedures and reference to some effect size has been moved from Appendix A to be more integrated into the chapters Sample results sections now also include effect size where SPSS directly calculates effect size A new section covering the EXPLORE command has been added to Chapter 3 **Presenting Your Data with SPSS**

Explained Perry R. Hinton, Isabella McMurray, 2017-07-14 Data Presentation with SPSS Explained provides students with all the information they need to conduct small scale analysis of research projects using SPSS and present their results appropriately in their reports Quantitative data can be collected in the form of a questionnaire survey or experimental study This book focuses on presenting this data clearly in the form of tables and graphs along with creating basic summary statistics Data Presentation with SPSS Explained uses an example survey that is clearly explained step by step throughout the book This allows readers to follow the procedures and easily apply each step in the process to their own research and findings No prior knowledge of statistics or SPSS is assumed and everything in the book is carefully explained in a helpful and user friendly way using worked examples This book is the perfect companion for students from a range of disciplines including psychology business communication education health humanities marketing and nursing many of whom are

unaware that this extremely helpful program is available at their institution for their use

How to Use SPSS Brian C. Cronk, 2018 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

How to Use SPSS Brian Christopher Cronk, 2004 Guide for use with the SPSS for Windows versions 11.5 and 12.0 statistical package

Approaching Multivariate Analysis, 2nd Edition Pat Dugard, John Todman, Harry Staines, 2022-06-30 This fully updated new edition not only provides an introduction to a range of advanced statistical techniques that are used in psychology but has been expanded to include new chapters describing methods and examples of particular interest to medical researchers It takes a very practical approach aimed at enabling readers to begin using the methods to tackle their own problems This book provides a non mathematical introduction to multivariate methods with an emphasis on helping the reader gain an intuitive understanding of what each method is for what it does and how it does it The first chapter briefly reviews the main concepts of univariate and bivariate methods and provides an overview of the multivariate methods that will be discussed bringing out the relationships among them and summarising how to recognise what types of problem each of them may be appropriate for tackling In the remaining chapters introductions to the methods and important conceptual points are followed by the presentation of typical applications from psychology and medicine using examples with fabricated data Instructions on how to do the analyses and how to make sense of the results are fully illustrated with dialogue boxes and output tables from SPSS as well as details of how to interpret and report the output and extracts of SPSS syntax and code from relevant SAS procedures This book gets students started and prepares them to approach more comprehensive treatments with confidence This makes it an ideal text for psychology students medical students and students or academics in any discipline that uses multivariate methods

IBM SPSS Statistics 27 Step by Step Darren George, Paul Mallery, 2021-12-28 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 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 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 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 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 *IBM SPSS Statistics 26 Step by Step* Darren George,Paul Mallery,2019-12-06 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 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 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 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 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 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 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 **Data Analysis Using SPSS for Windows - Version 6** Jeremy J Foster,1998 This book is designed to teach beginners how to use SPSS for Windows the most widely used computer package for analysing quantitative data Written in a clear readable and non technical style the author explains the basics of SPSS covering the input of data data manipulation descriptive analyses and inferential techniques SPSS Statistics for Dummies Keith McCormick,Jesus Salcedo,2015-05-14 The ultimate beginner s guide to SPSS and statistical analysis SPSS Statistics For Dummies is the fun and friendly guide to mastering SPSS This book contains everything you need to know to get up and running quickly with this industry leading software with clear helpful

guidance on working with both the software and your data Every chapter of this new edition has been updated with screenshots and steps that align with SPSS 23 0 You ll learn how to set up the software and organize your workflow then delve deep into analysis to discover the power of SPSS capabilities You ll discover the mechanics behind the calculations perform predictive analysis produce informative graphs and maximize your data even if it s been awhile since your last statistics class SPSS is the leading statistical software for social sciences marketing health care demography government education data mining and more This powerful package gives you the tools you need to get more out of your data and this book is your beginner friendly guide to getting the most out of the software Install and configure SPSS and learn the basics of how it works Master the process of getting data into SPSS and manipulating it to produce results See how to display data in dozens of different graphic formats to fit specific needs Make SPSS manufacture the numbers you want and take advantage of the many analysis options Discover ways to customize the SPSS interface and the look of your results edit graphics and pivot tables and program SPSS with Command Syntax Statistical analysis is crucial to so many industries and accuracy and efficiency are crucial SPSS offers you the capability to deliver but you still must know how to take utmost advantage of the tools at your fingertips SPSS Statistics For Dummies shows you how to handle data like a pro with step by step instruction and expert advice

The SPSS Guide to the New Statistical Analysis of Data Susan B. Gerber,Kristin E. Voelkl,2012-12-06 This book is a self teaching guide to the SPSS for Windows computer package It is designed to be used hand in hand with The New Statistical Analysis of Data by T W Anderson and Jeremy D Finn although it may be used as a stand alone manual as well This guide is very easy to follow since all procedures are outlined in a straightforward step by step format Because of its self instructional nature the beginning student 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 The data sets used in the examples are primarily those in the Anderson Finn textbook To the extent that SPSS performs the procedures in the Anderson Finn text this manual follows the book chapter by chapter Except for Chapter 1 the section titles in the manual correspond to sections in the textbook Each chapter demonstrates the statistical procedures described in the textbook and gives exercises that can be performed for further practice An instructor may choose to use these as additional class assignments This manual was created using SPSS for Windows Version 6 1 on an IBM compatible personal computer There are other versions available including Version 7 0 for Windows 95 Version 6 1 for Macintosh and Version 6 1 for Power Macintosh

Explaining the Concepts of Psychological Statistics Cohen, James Rab,Cohen,1996-02-19 How to Use SPSS Statistics Brian Cronk,2012 In addition to showing you how to enter data and obtain results this book explains how to select appropriate statistics and present the results in a form that is suitable for use in a research report in the social or behavioral sciences pg v

SPSS Explained ,2005 Using SPSS for Windows Susan B. Gerber,Kristin Voelkl Finn,2013-04-17 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 extremely easy to follow since all procedures are outlined in a straightforward step by step format Because of its self instructional nature the beginning student 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 exercises 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 descriptive statistics through multiple regression analysis with three chapters 7 9 that discuss probability theory Simple definitions of statistical concepts are provided for each procedure

Data Analysis Using SPSS for Windows Versions 8 - 10 Jeremy J Foster, 2001-03-20 A new edition of this best selling introductory book to cover the latest SPSS versions 8 0 10 0 This book is designed to teach beginners how to use SPSS for Windows the most widely used computer package for analysing quantitative data Written in a clear readable and non technical style the author explains the basics of SPSS including the input of data data manipulation descriptive analyses and inferential techniques including creating using and merging data files creating and printing graphs and charts parametric tests including t tests ANOVA GLM correlation regression and factor analysis non parametric tests and chi square reliability obtaining neat print outs and tables includes a CD Rom containing example data files syntax files output files and Excel spreadsheets *How to Use Spss(r)* Brian C Cronk, Taylor & Francis Group, 2023-12-31 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 *Scientific Data Analysis* Graham Currell, 2015 Drawing on the author's extensive experience of supporting students undertaking projects Scientific Data Analysis is a guide for any science undergraduate or beginning graduate who needs to analyse their own data and wants a

clear step by step description of how to carry out their analysis in a robust error free way
Sciences Frederick J. Gravetter, Larry B. Wallnau, 1988

Statistics for the Behavioral

Unveiling the Magic of Words: A Overview of "**Spss Explained**"

In a global defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their power to kindle emotions, provoke contemplation, and ignite transformative change is actually awe-inspiring. Enter the realm of "**Spss Explained**," a mesmerizing literary masterpiece penned by way of a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book is central themes, examine its distinctive writing style, and assess its profound affect the souls of its readers.

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