

Practical Data Analysis With Jmp

Preparing Data for Analysis with JMP (Hardcover Edition) Preparing Data for Analysis with JMP JMP Start Statistics Practical Data Analysis with Jmp, Second Edition JMP Start Statistics Practical Data Analysis with JMP JMP Start Statistics Market Data Analysis Using JMP Practical Data Analysis with JMP, Third Edition, 3rd Edition Fundamentals of Predictive Analytics with JMP, Second Edition Data Management and Analysis Using JMP: Health Care Case Studies JMP Start Statistics Practical Data Analysis with JMP, Third Edition Linear Regression Analysis with JMP and R Data Analysis with JMP IN 4.0 Interactive Data Analysis Using JMP Software Building Better Models with JMP Pro JMP for Basic Univariate and Multivariate Statistics Statistical Thinking Interactive Data Analysis Using JMP Software Robert Carver Robert Carver John Sall Robert Carver John Sall Robert Carver John Sall Walter R. Paczkowski Robert Carver Ron Klimberg Jane E. Oppenlander John Sall Robert Carver Rachel T. Silvestrini Thomas Johnson AI Best Jim Grayson Ann Lehman, PhD Roger W. Hoerl AI Best

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access and clean up data easily using jmp data acquisition and preparation commonly consume approximately 75 of the effort and time of total data analysis jmp provides

many visual intuitive and even innovative data preparation capabilities that enable you to make the most of your organization's data preparing data for analysis with jmp is organized within a framework of statistical investigations and model building and illustrates the new data handling features in jmp such as the query builder useful to students and programmers with little or no jmp experience or those looking to learn the new data management features and techniques it uses a practical approach to getting started with plenty of examples using step by step demonstrations and screenshots this book walks you through the most commonly used data management techniques that also include lots of tips on how to avoid common problems with this book you will learn how to manage database operations using the jmp query builder get data into jmp from other formats such as excel csv sas html json and the web identify and avoid problems with the help of jmp's visual and automated data exploration tools consolidate data from multiple sources with query builder for tables deal with common issues and repairs that include the following tasks reshaping tables stack unstack managing missing data with techniques such as imputation and principal components analysis cleaning and correcting dirty data computing new variables transforming variables for modelling reconciling time and date subset and filter your data save data tables for exchange with other platforms

access and clean up data easily using jmp data acquisition and preparation commonly consume approximately 75 of the effort and time of total data analysis jmp provides many visual intuitive and even innovative data preparation capabilities that enable you to make the most of your organization's data preparing data for analysis with jmp is organized within a framework of statistical investigations and model building and illustrates the new data handling features in jmp such as the query builder useful to students and programmers with little or no jmp experience or those looking to learn the new data management features and techniques it uses a practical approach to getting started with plenty of examples using step by step demonstrations and screenshots this book walks you through the most commonly used data management techniques that also include lots of tips on how to avoid common problems with this book you will learn how to manage database operations using the jmp query builder get data into jmp from other formats such as excel csv sas html json and the web identify and avoid problems with the help of jmp's visual and automated data exploration tools consolidate data from multiple sources with query builder for tables deal with common issues and repairs that include the following tasks reshaping tables stack unstack managing missing data with techniques such as imputation and principal components analysis cleaning and correcting dirty data computing new variables transforming variables for modelling reconciling time and date subset and filter your data save data tables for exchange with other platforms

this book provides hands on tutorials with just the right amount of conceptual and motivational material to illustrate how to use the intuitive interface for data analysis in jmp

each chapter features concept specific tutorials examples brief reviews of concepts step by step illustrations and exercises updated for jmp 13 jmp start statistics sixth edition includes many new features including the redesigned formula editor new and improved ways to create formulas in jmp directly from the data table or dialogs interface updates including improved menu layout updates and enhancements in many analysis platforms new ways to get data into jmp and to save and share jmp results many new features that make it easier to use jmp

this book uses the powerful interactive and visual approach of jmp to introduce readers to the logic and methods of statistical thinking and data analysis it enables you to discriminate among and to use fundamental techniques of analysis enabling you to engage in statistical thinking by analyzing real world problems application scenarios at the end of each chapter challenge you to put your knowledge and skills to use with data sets that go beyond mere repetition of chapter examples and three new review chapters help readers integrate ideas and techniques in addition the scope and sequence of the chapters have been updated with more coverage of data management and analysis of data the book can stand on its own as a learning resource for professionals or be used to supplement a standard college level introduction to statistics textbook reflective of the broad applicability of statistical reasoning the problems included in the book come from a wide variety of disciplines including engineering life sciences business economics among others and include a number of international and historical examples

jmp in is an interactive software tool especially designed for statistical visualization and exploratory data analysis jmp s goal is to analyze data in as graphical a way as possible enabling you to discover more interact more and understand more

practical data analysis with jmp uses the powerful interactive and visual approach of jmp to introduce readers to the logic and methods of statistical thinking and data analysis the book can stand on its own or be used to supplement a standard introduction to statistics textbook

jmp start statistics third edition is a complete and orderly introduction to analyzing data using jmp statistical discovery software from sas a mix of software manual and statistics text the book provides hands on tutorials with just the right amount of conceptual and motivational material to illustrate how to use the intuitive easy to use jmp interface for data analysis each chapter features concept specific tutorials examples brief reviews of concepts step by step illustrations and exercises jmp start statistics third edition was written by jmp software development team members john sall lee creighton and ann lehman this title was previously published by thomson brooks cole under isbn

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master the concepts and techniques of statistical analysis using jmp practical data analysis with jmp third edition highlights the powerful interactive and visual approach of jmp to introduce readers to statistical thinking and data analysis it helps you choose the best technique for the problem at hand by using real world cases it also illustrates best practice workflow throughout the entire investigative cycle from asking valuable questions through data acquisition preparation analysis interpretation and communication of findings the book can stand on its own as a learning resource for professionals or it can be used to supplement a college level textbook for an introductory statistics course it includes varied examples and problems using real sets of data each chapter typically starts with an important or interesting research question that an investigator has pursued reflecting the broad applicability of statistical reasoning the problems come from a wide variety of disciplines including engineering life sciences business and economics as well as international and historical examples application scenarios at the end of each chapter challenge you to use your knowledge and skills with data sets that go beyond mere repetition of chapter examples new in the third edition chapters have been updated to demonstrate the enhanced capabilities of jmp including projects graph builder query builder and formula depot

written for students in undergraduate and graduate statistics courses as well as for the practitioner who wants to make better decisions from data and models this updated

and expanded second edition of fundamentals of predictive analytics with jmp r bridges the gap between courses on basic statistics which focus on univariate and bivariate analysis and courses on data mining and predictive analytics going beyond the theoretical foundation this book gives you the technical knowledge and problem solving skills that you need to perform real world multivariate data analysis first this book teaches you to recognize when it is appropriate to use a tool what variables and data are required and what the results might be second it teaches you how to interpret the results and then step by step how and where to perform and evaluate the analysis in jmp using jmp 13 and jmp 13 pro this book offers the following new and enhanced features in an example driven format an add in for microsoft excel graph builder dirty data visualization regression anova logistic regression principal component analysis lasso elastic net cluster analysis decision trees k nearest neighbors neural networks bootstrap forests boosted trees text mining association rules model comparison with today s emphasis on business intelligence business analytics and predictive analytics this second edition is invaluable to anyone who needs to expand his or her knowledge of statistics and to apply real world problem solving analysis this book is part of the sas press program

a holistic step by step approach to analyzing health care data written for both beginner and intermediate jmp users working in or studying health care data management and analysis using jmp health care case studies bridges the gap between taking traditional statistics courses and successfully applying statistical analysis in the workplace authors jane oppenlander and patricia schaffer begin by illustrating techniques to prepare data for analysis followed by presenting effective methods to summarize visualize and analyze data the statistical analysis methods covered in the book are the foundational techniques commonly applied to meet regulatory operational budgeting and research needs in the health care field this example driven book shows practitioners how to solve real world problems by using an approach that includes problem definition data management selecting the appropriate analysis methods step by step jmp instructions and interpreting statistical results in context practical strategies for selecting appropriate statistical methods remediating data anomalies and interpreting statistical results in the domain context are emphasized the cases presented in data management and analysis using jmp use multiple statistical methods a progression of methods from univariate to multivariate is employed illustrating a logical approach to problem solving much of the data used in these cases is open source and drawn from a variety of health care settings the book offers a welcome guide to working professionals as well as students studying statistics in health care related fields

jmp in is the most complete and modern data analysis program and combines outstanding graphics and amazing data analysis jmp ins spreadsheets data tables and graphing capabilities are designed to help the student visualize and learn important statistical concepts while it handles all calculations jmp in developed by sas institute is the

student version of the professional package jmp

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this comprehensive but low cost textbook is intended for use in an undergraduate level regression course as well as for use by practitioners the authors have included some statistical details throughout the book but focus on interpreting results for real applications of regression analysis chapters are devoted to data collection and cleaning data visualization model fitting and inference model prediction and inference model diagnostics remedial measures model selection techniques model validation and a case study demonstrating the techniques outlined throughout the book the examples throughout each chapter are illustrated using the software packages r and jmp at the end of each chapter there is a tutorial section demonstrating the use of both r and jmp the r tutorial contains source code and the jmp tutorial contains a step by step guide each chapter also includes exercises for further study and learning

the book provides step by step instructions in enough detail to allow a user to turn to any section once they know the basics of the jmp program and the brief form in which the instructions are written both the order of the topics and the presentation of this book are centered on the analysis of data

building better models with jmp pro provides an example based introduction to business analytics with a proven process that guides you in the application of modeling tools

and concepts it gives you the what why and how of using jmp pro for building and applying analytic models this book is designed for business analysts managers and practitioners who may not have a solid statistical background but need to be able to readily apply analytic methods to solve business problems in addition this book will greatly benefit faculty members who teach any of the following subjects at the lower to upper graduate level predictive modeling data mining and business analytics novice to advanced users in business statistics business analytics and predictive modeling will find that it provides a peek inside the black box of algorithms and the methods used topics include regression logistic regression classification and regression trees neural networks model cross validation model comparison and selection and data reduction techniques full of rich examples building better models with jmp pro is an applied book on business analytics and modeling that introduces a simple methodology for managing and executing analytics projects no prior experience with jmp is needed make more informed decisions from your data using this newest jmp book

updated for jmp 10 the book provides hands on tutorials with just the right amount of conceptual and motivational material to illustrate how to use the intuitive interface for data analysis in jmp features concept specific tutorials examples brief reviews of concepts step by step illustrations and exercises

apply statistics in business to achieve performance improvement statistical thinking improving business performance 3rd edition helps managers understand the role of statistics in implementing business improvements it guides professionals who are learning statistics in order to improve performance in business and industry it also helps graduate and undergraduate students understand the strategic value of data and statistics in arriving at real business solutions instruction in the book is based on principles of effective learning established by educational and behavioral research the authors cover both practical examples and underlying theory both the big picture and necessary details readers gain a conceptual understanding and the ability to perform actionable analyses they are introduced to data skills to improve business processes including collecting the appropriate data identifying existing data limitations and analyzing data graphically the authors also provide an in depth look at jmp software including its purpose capabilities and techniques for use updates to this edition include a new chapter on data assessing data pedigree quality and acquisition tools discussion of the relationship between statistical thinking and data science explanation of the proper role and interpretation of p values understanding of the dangers of p hacking differentiation between practical and statistical significance introduction of the emerging discipline of statistical engineering explanation of the proper role of subject matter theory in order to identify causal relationships a holistic framework for variation that includes outliers in addition to systematic and random variation revised chapters based on significant teaching experience content enhancements based on student input this book helps readers understand the role of statistics in business before they embark on learning

statistical techniques

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