

Basic Reporting Data Exploration Tools File Type

With the powerful interactive and visual functionality of JMP, you can dynamically analyze market data to transform it into actionable and useful information with clear, concise, and insightful reports and displays. Market Data Analysis Using JMP is a unique example-driven book because it has a specific application focus: market data analysis. A working knowledge of JMP will help you turn your market data into vital knowledge that will help you succeed in a highly competitive, fast-moving, and dynamic business world. This book can be used as a stand-alone resource for working professionals, or as a supplement to a business school course in market data research. Anyone who works with market data will benefit from reading and studying this book, then using JMP to apply the dynamic analytical concepts to their market data. After reading this book, you will be able to quickly and effortlessly use JMP to: prepare market data for analysis use and interpret sophisticated statistical methods build choice models estimate regression models to turn data into useful and actionable information Market Data Analysis Using JMP will teach you how to use dynamic graphics to illustrate your market data analysis and explore the vast possibilities that your data can offer! During recent years, the use of advanced data analysis methods has increased in clinical and epidemiological research. This book emphasizes the practical aspects of new data analysis methods, and provides insight into new challenges in biostatistics, epidemiology, health sciences, dentistry, and clinical medicine. This book provides a readable text, giving advice on the reporting of new data analytical methods and data presentation. The book consists of 13 articles. Each article is self-contained and may be read independently according to the needs of the reader. The book is essential reading for postgraduate students as well as researchers from medicine and other sciences where statistical data analysis plays a central role. This book provides ten case studies with concise real-world examples illustrating how MAXQDA is used in practice. In each research example, the authors present their way of using MAXQDA, addressing a variety of practical questions, such as how the coding system was developed, how coded documents were analyzed, what tools were used, and how those tools informed the results. Embedded in the context of each research example, readers can follow analytical processes step-by-step and gain insights into efficient ways to use MAXQDA. Readers can benefit from this book in several ways: - Get inspirations and solutions for their own projects - Avoid pitfalls by considering the lessons learned from each author presented at the end of each chapter - Use the examples in teaching Audience: - All researchers who want to get to learn the potential of qualitative data analysis with MAXQDA - All users of MAXQDA who want to expand their knowledge and skills, no matter if they are novices or experts The 2011 Global Food Policy Report is a new annual IFPRI publication that provides a comprehensive, research-based analysis of major food policy challenges at the global, regional, national, and local levels. It highlights important developments and events in food policy that occurred in 2011, discusses lessons learned, offers policy recommendations, presents IFPRI's food policy tools and indicators, and takes a look forward into 2012. The Report reflects perspectives from across the globe. Its nine chapters, written by IFPRI researchers and other food policy experts, provide state-of-the-art analysis on such crucial topics as: food price levels and volatility in natural and human-caused disasters climate change biofuels the links between agriculture and nutrition, health, water, and energy sustainable land management regional developments new players in global food policy The Report features numerous tables, figures, infographics, and maps, as well as a collection of stakeholders' thoughts on what influenced food policy in 2011.

29th International Conference on Industrial Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE 2016, Morioka, Japan, August 2-4, 2016, Proceedings

Research Examples Using MAXQDA
Statistics: A Tool for Social Research and Data Analysis

Using Talent Data to Improve Business Outcomes
4th International Conference, MEDI 2014, Larnaca, Cyprus, September 24-26, 2014, Proceedings

IBM Cognos Business Intelligence v10
A Step-By-Step Guide to Better Data Visualization

Innovations in Intelligent Systems is a rare collection of the latest developments in intelligent paradigms such as knowledge-based systems, computational intelligence and hybrid combinations as well as practical applications in engineering, science, business and commerce. The book covers central topics such as intelligent multi-agent systems, data mining, case-based reasoning, and rough sets. Essential techniques to the development of intelligent machines are investigated such as pattern recognition and classification, machine learning, natural language processing, grammar, evolutionary schemes, fuzzy-neural procedures, and intelligent vision. The book also includes useful applications ranging from medical diagnosis and technical/medical language translation, to power demand forecasting and manufacturing control. Due to its depth and the coverage and usefulness of the techniques and applications, this book is a valuable reference for experts and students alike. Insurance: use analytics to drive fat more value from your most important asset -- data! Today, many insurers radically underutilize their data, leaving them vulnerable to traditional and non-traditional competitors alike. Now, drawing on 25 years of industry experience, Patricia Saporito shows how to systematically leverage analytics to improve business performance and customer satisfaction throughout any insurance business. Applied Insurance Analytics demonstrates how to use analytics to systematically improve operations ranging from underwriting and risk management to claims. Even more important: it will help you drive more value everywhere by defining a focused enterprise-wide analytics strategy, and overcoming the challenges that stand in your way. Saporito helps you assess your current analytics maturity, choose the new applications that offer the most value, and master best practices from throughout the industry and beyond. Throughout, she helps you gain more value from data assets, technologies and tools you've already invested in. You'll find new case studies, practical tools, and easy templates for improving the "Analytics IQ" of your entire enterprise. For every insurance industry professional and manager concerned with analytics, including users, IT pros, sales/marketing specialists, and data scientists. This book will also be valuable to students in any MBA or other program focused on insurance or risk management, and to many students in IT or analytics-specific programs.

Leverage the integration of SQL Server and Office for more effective BI Applied Microsoft Business Intelligence shows you how to leverage the complete set of Microsoft tools—including Microsoft Office and SQL Server—to better analyze business data. This book provides best practices for building complete BI solutions using the full Microsoft toolset. You will learn how to effectively use SQL Server Analysis and Reporting Services, along with Excel, SharePoint, and other tools to provide effective and cohesive solutions for the enterprise. Coverage includes BI architecture, data queries, semantic models, multidimensional modeling, data analysis and visualization, performance monitoring, data mining, and more, to help you learn to perform practical business analysis and reporting. Written by an author team that includes a key member of the BI product team at Microsoft, this useful reference provides expert instruction for more effective use of the Microsoft BI toolset. Use Microsoft BI suite cohesively for more effective enterprise solutions Search, analyze, and visualize data more efficiently and completely Develop flexible and scalable tabular and multidimensional models Monitor performance, build a BI portal, and deploy and manage the BI solution Maximize the Value of Business Intelligence with IBM Cognos v10 -- Hands-on, from Start to Finish This easy-to-use, hands-on guide brings together all the information and insight you need to drive maximum business value from IBM Cognos v10. Long-time IBM Cognos expert and product designer Sangeeta Gautam thoroughly illuminates Cognos BI v10's key capabilities: analysis, query, reporting, and dashboards. Gautam shows how to take full advantage of each key IBM Cognos feature, including brand-new innovations such as Active Reports and the new IBM Cognos Workspace report consumption environment. She concludes by walking you through successfully planning and implementing an integrated business intelligence solution using IBM's best-practice methodologies. The first and only guide of its kind, IBM Cognos Business Intelligence v10 offers expert insights for BI designers, architects, developers, administrators, project managers, nontechnical end-users, and partners throughout all areas of the business—from sales and marketing to operations and lines of business. If you're pursuing official IBM Cognos certification, you'll also find Cognos certification sample questions and information to help you with the certification process. Coverage includes • Understanding IBM Cognos BI's components and open, extensible architecture • Working with IBM Cognos key "studio" tools: Analysis Studio, Query Studio, Report Studio, and Event Studio • Developing and managing powerful reports that draw on the rich capabilities of IBM Cognos Workspace and Workspace Advanced • Designing Star Schema databases and metadata models to answer the questions your organization cares about most • Efficiently maintaining and systematically securing IBM Cognos BI environments and their objects • Using IBM Cognos Connection as your single point of entry to all corporate data • Building interactive, easy-to-manage Active Reports for casual business users • Using new IBM Cognos BI v10.1 Dynamic Query Mode (DQM) to improve performance with complex heterogeneous data • Identifying, exploring, and exploiting hidden data relationships • Creating quick ad hoc queries that deliver fast answers • Establishing user and administrator roles

New Approaches in Classification and Data Analysis

Medical Informatics and Data Analysis

Astronomy and Astrophysics in the New Millennium; Panel Reports

Technical Report

Create, Design, Format, and Deploy Reports with the World's Most Popular Eclipse-Based Business Intelligence and Reporting Tool

Data Analytics for Business

Innovations in Intelligent Systems

Hybrid intelligent systems have become a very important problem-solving methodology affecting researchers and practitioners in areas ranging from science and technology to business and commerce. This volume focuses on the hybridization of different soft computing technologies and their interactions with hard computing techniques, other intelligent computing frameworks, and agents. Topics covered include: genetic neural computing, neuro-fuzzy systems, genetic-fuzzy systems, genetic-fuzzy neurocomputing, hybrid optimization techniques, interaction with intelligent agents, fusion of soft computing and hard computing techniques. Other intelligent systems and hybrid systems applications. The different contributions were presented at the first international workshop on hybrid intelligent systems (HIS) in Adelaide, Australia.

Become a master of data analysis, modeling, and spreadsheet use with BUSINESS ANALYTICS: DATA ANALYSIS AND DECISION MAKING, 5E! This quantitative methods text provides users with the tools to succeed with a teach-by-example approach, student-friendly writing style, and complete Excel 2013 integration. It is also compatible with Excel 2010 and 2007. Problem sets and cases provide realistic examples to show the relevance of the material. The Companion Website includes: the Palisade DecisionTools Suite (iRISK, StatTools, PrecisionTree, TopRank, RISKOptimizer, NeuralTools, and Evolver); SolverTable, which allows you to do sensitivity analysis; data and solutions files, PowerPoint slides, and tutorial videos. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This book simplifies the use of Tableau software functionality for novice users so that they can create powerful data visualizations easily and quickly. Since it is often very difficult and expensive to provide external training on BI tools, this book aims to equip the reader with the resource they need to do it themselves. Jumpstart Tableau covers the basic reporting and analysis functions that most BI users perform in their day-to-day work. These include connecting to a data source, working with dimensions and measures, developing reports and charts, saving workbooks, filtering, swapping, sorting, formatting, grouping, creating hierarchies, forecasting, exporting, distributing, as well as developing various chart types. Each exercise in Jumpstart Tableau provides screenshots that cover every step from start to finish. The exercises are based on a comprehensive sample Excel-based data source that Tableau Software (version 9) has provided, which makes it very easy to duplicate the exercises on the real software. In addition, the book: Enables readers to develop reports, queries and visualizations Perform data analysis Execute each function in a step-by-step manner Provides the basic hands-on ability which can enable users to work up to more advanced and complex Tableau functionality Shows how to integrate individual development of content, such as tables/charts and visualizations, onto a dashboard for an effective presentation What You'll Learn How to connect to data sources How to develop reports How to develop visualizations How to perform analysis functions (e.g., filtering, drilldown, sorting, grouping, forecasting, etc.) How to save visualizations in different formats and distribute them How to develop dashboards and their content Who this book is for Novice Tableau users, BI end users, as well as developers and business analysts. Also, students in university courses on dashboards and data visualization as well as BI and data analysis can quickly get up to speed with Tableau tools and use them for implementing the hands-on projects associated with these courses.

Development of high-throughput technologies in molecular biology during the last two decades has contributed to the production of tremendous amounts of data. Microarray and RNA sequencing are two such widely used high-throughput technologies for simultaneously monitoring the expression patterns of thousands of genes. Data produced from such experiments are voluminous (both in dimensionality and numbers of instances) and evolving in nature. Analysis of huge amounts of data toward the identification of interesting patterns that are relevant for a given biological question requires high-performance computational infrastructure as well as efficient machine learning algorithms. Cross-communication of ideas between biologists and computer scientists remains a big challenge. Gene Expression Data Analysis: A Statistical and Machine Learning Perspective has been written with a multidisciplinary audience in mind. The book discusses gene expression data analysis from molecular biology, machine learning, and statistical perspectives. Readers will be able to acquire both theoretical and practical knowledge of methods for identifying novel patterns of high biological significance. To measure the effectiveness of such algorithms, we discuss statistical and biological performance metrics that can be used in real life or in a simulated environment. This book discusses a large number of benchmark algorithms, tools, systems, and repositories that are commonly used in analyzing gene expression data and validating results. This book will benefit students, researchers, and practitioners in biology, medicine, and computer science by enabling them to acquire in-depth knowledge in statistical and machine-learning-based methods for analyzing gene expression data. Key Features: An introduction to the Central Dogma of molecular biology and information flow in biological systems A systematic overview of the methods for generating gene expression data Background knowledge on statistical modeling and machine learning techniques Detailed methodology of analyzing gene expression data with an example case study Clustering methods for finding co-expression patterns from microarray, bulkRNA, and scRNA data A large number of practical tools, systems, and repositories that are useful for computational biologists to create, analyze, and validate biologically relevant gene expression patterns Suitable for multidisciplinary researchers and practitioners in computer science and the biological sciences

Applied Microsoft Business Intelligence

Hybrid Information Systems

Jumpstart Tableau

A Simple Guide

Model and Data Engineering

SAS For Dummies

Hypermodelling

Collecting data is relatively easy, but turning raw information into something useful requires that you know how to extract precisely what you need. With this insightful book, intermediate to experienced programmers interested in data analysis will learn techniques for working with data in a business environment. You'll learn how to look at data to discover what it contains, how to capture those ideas in conceptual models, and then feed your understanding back into the organization through business plans, metrics dashboards, and other applications. Along the way, you'll experiment with concepts through hands-on workshops at the end of each chapter. Above all, you'll learn how to think about the results you want to achieve -- rather than rely on tools to think for you. Use graphics to describe data with one, two, or dozens of variables Develop conceptual models using back-of-the-envelope calculations, as well as mathematical and probabilistic arguments Mine data with computationally intensive methods such as simulation and clustering Make your conclusions understandable through reports, dashboards, and other metrics programs Understand financial calculations, including the time-value of money Use dimensionality reduction techniques or predictive analytics to conquer challenging data analysis situations Become familiar with different open source programming environments for data analysis "Finally, a concise reference for understanding how to conquer piles of data."--Austin King, Senior Web Developer, Mozilla "An indispensable text for aspiring data scientists."--Michael E. Driscoll, CEO/Founder, DataSpora
Understand data analysis pipelines using machine learning algorithms and techniques with this practical guide Key Features Prepare and clean your data to use it for exploratory analysis, data manipulation, and data wrangling Discover supervised, unsupervised, probabilistic, and Bayesian machine learning methods Get to grips with graph processing and sentiment analysis Book Description Data analysis enables you to generate value from small and big data by discovering new patterns and trends, and Python is one of the most popular tools for analyzing a wide variety of data. With this book, you'll get up and running using Python for data analysis by exploring the different phases and methodologies used in data analysis and learning how to use modern libraries from the Python ecosystem to create efficient data pipelines. Starting with the essential statistical and data analysis fundamentals using Python, you'll perform complex data analysis and modeling, data manipulation, data cleaning, and data visualization using easy-to-follow examples. You'll then understand how to conduct time series analysis and signal processing using ARMA models. As you advance, you'll get to grips with smart processing and data analytics using machine learning algorithms such as regression, classification, Principal Component Analysis (PCA), and clustering. In the concluding chapters, you'll work on real-world examples to analyze textual and image data using natural language processing (NLP) and image analytics techniques, respectively. Finally, the book will demonstrate parallel computing using Dask. By the end of this data analysis book, you'll be equipped with the skills you need to prepare data in advance and create meaningful data visualizations for forecasting values from data. What you will learn Explore data science and its various process models Perform data manipulation using NumPy and pandas for aggregating, cleaning, and handling missing values Create interactive visualizations using Matplotlib, Seaborn, and Bokeh Retrieve, process, and store data in a wide range of formats Understand data preprocessing and feature engineering using scikit-learn Perform time series analysis and signal processing using sunspot cycle data Analyze textual data and image data to perform advanced analysis Get up to speed with parallel computing using Dask Who this book is for This book is for data analysts, business analysts, statisticians, and data scientists looking to learn how to use Python for data analysis. Students and academic faculties will also find this book useful for learning and teaching Python data analysis using a hands-on approach. A basic understanding of math and working knowledge of the Python programming language will help you get started with this book.

Create, Design, Format, and Deploy Reports with the world's most popular Eclipse-based Business Intelligence and Reporting Tool.

The overwhelming pace of evolution in technology has made it possible to develop intelligent systems which help users in their daily life activities. - cordingly, methods of recording, managing and analysing data have evolved from the very simple 7le systems into complex ambient supportive intelligent systems. This book arises as a compilation of methods, techniques and tools c- nected with data related issues: from modelling to analysis. A broad range of approaches such as database self- techniques for ubiquitous environments, multimedia data, or data driven models will be reviewed. Di?erent areas of applications, in which data models conceptualize nowadays reality, starting from e-learning to data electric transformers will be considered. The book is a collection of representative contributions to cover the sp- trum related to data bases, which support decision making and data mining methods as well as conceptualization. Datawarehouse technology and m- eling are presented in the 7rst chapter together with the deep review of datawarehouse techniques for supporting e-learning processes with special emphasis on data cubes, all the tools are considered in the context of im- mentations of software application. These 2nd chapter continues with the 2- iar technology and deals with the community data warehouse architecture.

Methods and Supporting Technologies for Data Analysis

Data Analysis and Harmonization

Gene Expression Data Analysis

From Data Gathering to Data Comprehension

CompTIA Data+ Study Guide

Perform data collection, data processing, wrangling, visualization, and model building using Python

Foundations and Industry Applications

This new edition covers some of the key topics relating to the latest version of MS Office through Excel 2019, including the creation of custom ribbons by injecting XML code into Excel Workbooks and how to link Excel VBA macros to customize ribbon objects. It now also provides examples in using ADO, DAO, and SQL queries to retrieve data from databases for analysis. Operations such as fully automated linear and non-linear curve fitting, linear and non-linear mapping, charting, plotting, sorting, and filtering of data have been updated to leverage the newest Excel VBA object models. The text provides examples on automated data analysis and the preparation of custom reports suitable for legal archiving and dissemination. Functionality Demonstrated in This Edition Includes: Find and extract information raw data files Format data in color (conditional formatting) Perform non-linear and linear regressions on data Create custom functions for specific applications Generate datasets for regressions and functions Create custom reports for regulatory agencies Leverage email to send generated reports Return data to Excel using ADO, DAO, and SQL queries Create database files for processed data Create tables, records, and fields in databases Add data to databases in fields or records Leverage external computational engines Call functions in MATLAB® and Origin® from Excel

Practical Business Analytics Using SAS: A Hands-on Guide shows SAS users and businesspeople how to analyze data effectively in real-life business scenarios. The book begins with an introduction to analytics, analytical tools, and SAS programming. The authors—both SAS statistics, analytics, and big data experts—first show how SAS is used in business, and then how to get started programming in SAS by importing data and learning how to manipulate it. Besides illustrating SAS basic functions, you will see how each function can be used to get the information you need to improve business performance. Each chapter offers hands-on exercises drawn from real business situations. The book then provides an overview of statistics, as well as instruction on exploring data, preparing it for analysis, and testing hypotheses. You will learn how to use SAS to perform analytics and model using both basic and advanced techniques like multiple regression, logistic regression, and time series analysis, among other topics. The book concludes with a chapter on analyzing big data. Illustrations from banking and other industries make the principles and methods come to life. Readers will find just enough theory to understand the practical examples and case studies, which cover all industries. Written for a corporate IT and programming audience that wants to upgrade skills or enter the analytics field, this book includes: More than 200 examples and exercises, including code and datasets for practice. Relevant examples for all industries. Case studies that show how to use SAS analytics to identify opportunities, solve complicated problems, and chart a course. Practical Business Analytics Using SAS: A Hands-on Guide gives you the tools you need to gain insight into the data at your fingertips, predict business conditions for better planning, and make smart decisions in retail, finance, healthcare, government, and other industry. This book will help your organization increase revenue, drive down costs, improve marketing, and satisfy customers better than ever before.

The fun and easy way to learn to use this leading business intelligence tool, written by an author team who is directly involved with SAS, this easy-to-follow guide is fully updated for the latest release of SAS and covers just what you need to put this popular software to work in your business. SAS allows any business or enterprise to improve data delivery, analysis, reporting, movement across a company, data mining, forecasting, statistical analysis, and more. SAS For Dummies, 2nd Edition gives you the necessary background on what SAS can do for you and explains how to use the Enterprise Guide. SAS provides statistical and data analysis tools to help you deal with all kinds of data: operational, financial, performance, and more Places special emphasis on Enterprise Guide and other analytical tools, covering all commonly used features Covers all commonly used features and shows you the practical applications you can put to work in your business Explores how to get various types of data into the software and how to work with databases Covers producing reports and Web reporting tools, analytics, macros, and working with your data In the easy-to-follow, no-nonsense For Dummies format, SAS For Dummies gives you the knowledge and the confidence to get SAS working for your organization. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Build a solid foundation in data analysis skills and pursue a coveted Data certification with this intuitive study guide CompTIA Data+ Study Guide: Exam DA0-001 delivers easily accessible and actionable instruction for achieving data analysis competencies required for the job and on the CompTIA Data+ certification exam. You'll learn to collect, analyze, and report on various types of commonly used data, transforming raw data into usable information for your organization. With comprehensive coverage of data concepts and environments, data mining, data analysis, visualization, and data governance, quality, and controls, this Study Guide offers: All the information necessary to succeed on the exam for a which accepted, entry-level credential that unlocks lucrative new data analytics and data science career opportunities 100% coverage of objectives for the NEW CompTIA Data+ exam Access to the Sybex online learning resources, with review questions, full-length practice exam, hundreds of electronic flashcards, and a glossary of key terms Ideal for anyone seeking a new career in data analysis, to improve their current data science skills, or hoping to achieve the coveted CompTIA Data+ certification credential, CompTIA Data+ Study Guide: Exam DA0-001 provides an invaluable head start to beginning or accelerating a career as an in-demand data analyst.

Business Analytics: Data Analysis & Decision Making

Bit 2.6 Data Analysis and Reporting

DC Big Data Exploration Final Report

A Framework for Driving More Value from Data Assets, Technologies, and Tools

Trends in Applied Knowledge-Based Systems and Data Science

Hands On With Google Data Studio

Python Data Analysis

DC Big Data Exploration Final Report

The Digital Twin Paradigm for Smarter Systems and Environments: The Industry Use Cases, Volume 117, the latest volume in the Advances in Computers series, presents detailed coverage of new advancements in computer hardware, software, theory, design and applications. Chapters vividly illustrate how the emerging discipline of digital twin is strategically contributing to various digital transformation initiatives. Specific chapters cover Demystifying the Digital Twin Paradigm, Digital Twin Technology for "Smarter Manufacturing", The Fog Computing/ Edge Computing to Leverage Digital Twin, The Industry use cases for the Digital Twin idea, Enabling Digital Twin at the Edge, The Industrial Internet of Things (IIoT), and much more. Provides in-depth descriptions of digital transformation technologies and tools Covers various research accomplishments in this flourishing field of relevance Includes many detailed industry use cases with all the right information

This book focuses on methods and tools for intelligent data analysis, aimed at narrowing the increasing gap between data gathering and data comprehension, and emphasis will also be given to solving of problems which result from automated data collection, such as analysis of computer-based patient records, data warehousing tools, intelligent alarming, effective and efficient monitoring, and so on. This book aims to describe the different approaches of Intelligent Data Analysis from a practical point of view' solving common life problems with data analysis tools.

For organizations that are desperate to have the ability to analyze data sources, harmonize disparate data elements, and communicate the results of the analysis in an effective manner to stakeholders. Created by certified enterprise data architect Jeff Voivoda, this simple guide to data analysis and harmonization begins by identifying the problems caused by inefficient data storage. It moves through the life cycle of identifying, gathering, recording, harmonizing and presenting data so that it is organized and comprehensible. Other key areas covered include the following: Seeking out the right experts Reviewing data standards and considerations Grouping and managing data Understanding the practical applications of data analysis Suggesting next steps in the development life cycle. Its essential to understand data requirements, management tools, and industry-wide standards if you want your organization to succeed or improve on its already strong position. Determine your next strategic step and manage your data as an asset with Data Analysis and Harmonization.

A Hands-on Guide

Learning Analytics

The Complete Guide

The Digital Twin Paradigm for Smarter Systems and Environments: The Industry Use Cases

Transforming Data for Competitive Advantage

Automated Data Analysis Using Excel

This book covers three major parts of Big Data: concepts, theories and applications. Written by world-renowned leaders in Big Data, this book explores the problems, possible solutions and directions for Big Data in research and practice. It also focuses on high level concepts such as definitions of Big Data from different angles; surveys in research and applications; and existing tools, mechanisms, and systems in practice. Each chapter is independent from the other chapters, allowing users to read any chapter directly. After examining the practical side of Big Data, this book presents theoretical perspectives. The theoretical research ranges from Big Data representation, modeling and topology to distribution and dimension reducing. Chapters also investigate the many disciplines that involve Big Data, such as statistics, data mining, machine learning, networking, algorithms, security and differential geometry. The last section of this book introduces Big Data applications from different communities, such as business, engineering and science. Big Data Concepts, Theories and Applications is designed as a reference for researchers and advanced level students in computer science, electrical engineering and mathematics. Practitioners who focus on information systems, big data, data mining, business analysis and other related fields will also find this material valuable.

This book constitutes the refereed proceedings of the 4th International Conference on Model and Data Engineering, MEDI 2014, held in Larnaca, Cyprus, in September 2014. The 16 long papers and 12 short papers presented together with 2 invited talks were carefully reviewed and selected from 64 submissions. The papers specifically focus on model engineering and data engineering with special emphasis on most recent and relevant topics in the areas of modeling and models engineering; data engineering; modeling for data management; and applications and tooling.

The subject of this book is the analysis and processing of structural or quantitative data with emphasis on classification methods, new algorithms as well as applications in various fields related to data analysis and classification. The book presents the state of the art in world-wide research and application of methods from the fields indicated above and consists of survey papers as well as research papers.

For organizations that are desperate to have the ability to analyze data sources, harmonize disparate data elements, and communicate the results of the analysis in an effective manner to stakeholders. Created by certified enterprise data architect Jeff Voivoda, this simple guide to data analysis and harmonization begins by identifying the problems caused by inefficient data storage. It moves through the life cycle of identifying, gathering, recording, harmonizing and presenting data so that it is organized and comprehensible. Other key areas covered include the following: Seeking out the right experts Reviewing data standards and considerations Grouping and managing data Understanding the practical applications of data analysis Suggesting next steps in the development life cycle. Its essential to understand data requirements, management tools, and industry-wide standards if you want your organization to succeed or improve on its already strong position. Determine your next strategic step and manage your data as an asset with Data Analysis and Harmonization.

Python for Data Analysis

Data Analysis with Open Source Tools

Practical Business Analytics Using SAS

Big Data Concepts, Theories, and Applications

An Introduction

2011 Global Food Policy Report

Professional Microsoft SQL Server 2016 Reporting Services and Mobile Reports

"More than 150 top experts, data scientists, civic ""hackers,"" civil society groups and development practitioners gathered at the World Bank on March 15-17, 2013 for the DC Big Data Exploration event. Working alongside Bank experts on the Poverty and Fraud & Corruption teams, data scientists uncovered new ways of collecting, exploring, and visualizing data to maximize their impact. The collaboration between the two communities yielded new insights from World Bank data, devised new ways of using existing big data sources for monitoring poverty and corruption, and created entirely new streams of data that the Bank and its partners can use in future research. This comprehensive final report on the DC Big Data Exploration provides an in-depth look at several 'big' questions and includes recommendations and next steps for maximizing impact and outcomes from the initial hypotheses. "

This second and revised edition contains a detailed introduction to the key classes of intelligent data analysis methods. The twelve coherently written chapters by leading experts provide complete coverage of the core issues. The first half of the book is devoted to the discussion of classical statistical issues. The following chapters concentrate on machine learning and artificial intelligence, rule induction methods, neural networks, fuzzy logic, and stochastic search methods. The book concludes with a chapter on visualization and an advanced overview of IDA processes.

Optimize reporting and BI with Microsoft SQL Server 2016. Professional Microsoft SQL Server 2016 Reporting Services and Mobile Reports provides a comprehensive lesson in business intelligence (BI), operational reporting and Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail. Includes: Microsoft SQL Server 2016 Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more effective while providing step-by-step instruction on Microsoft SQL Server 2016

techniques for analyzing data Includes cases and exercises to guide students' learning Banasiewicz integrates his knowledge from both his academic training and professional experience, providing a thorough, comprehensive approach that will serve graduate students of marketing research and analytics well.

Harness the power of Excel to discover what your numbers are hiding Excel Data Analysis For Dummies, 2nd Edition is the ultimate guide to getting the most out of your data. Veteran Dummies author Stephen L. Nelson guides you through the basic and not-so-basic features of Excel to help you discover the gems hidden in your rough data visualization, the book walks you through the steps that lead to superior data analysis. Excel is the number-one spreadsheet application, with ever-expanding capabilities. If you're only using it to balance the books, you're missing out on a host of functions that can benefit your business or personal finances by uncovering trends and other

within the numbers. Excel Data Analysis For Dummies, 2nd Edition eliminates the need for advanced statistics or analysis courses by allowing you to harness the full power of Excel to do the heavy lifting for you. This 2nd Edition is fully updated to include information about Excel's latest features, making it a your go-to Excel guide for data Working with external databases PivotTables and PivotCharts Using Excel for statistical and financial functions Solver, Small Business Finance Manager, and more The book also includes a guide to chart types and formatting, and advice on effective visual data presentation. You already have the data, so you might as well get something gre

Analysis For Dummies, 2nd Edition is the key to discovering what your numbers are hiding.

Data Wrangling with Pandas, NumPy, and IPython

Market Data Analysis Using JMP (Hardcover edition)

Intelligent Data Analysis

A Data Citizen's Survival Guide

The Practice of Qualitative Data Analysis

Data analytics underpin our modern data-driven economy. This textbook explains the relevance of data analytics at the firm and industry levels, tracing the evolution and key components of the field, and showing how data analytics insights can be leveraged for business results. The first section of the text covers key topics such as data analytics tools, data mining, business intelligence, customer relationship management, and cybersecurity. The chapters then take an industry focus, exploring how data analytics can be used in particular settings to strengthen business decision-making. A range of sectors are examined, including financial services, accounting, marketing, sport, health care, retail, transport, and education. With industry case studies, clear definitions of terminology, and no background knowledge required, this text supports students in gaining a solid understanding of data analytics and its practical applications. PowerPoint slides, a test bank of questions, and an instructor's manual are also provided as online supplements. This will be a valuable text for undergraduate level courses in data analytics, data mining, business intelligence, and related areas.

Healey's STATISTICS: A TOOL FOR SOCIAL RESEARCH AND DATA ANALYSIS, 11e, equips you with a solid understanding of statistical fundamentals and their practical application to current social issues -- no advanced math knowledge required. The text breaks down even the most complex material to help you master key concepts and develop the skills you need to succeed as a professional in a social science field -- or simply to become a statistically literate consumer of social research. Everyday examples illustrate that statistics are not just abstract mathematical constructs, but they have practical value in government, education, business, media, politics, sports and more. Research examples in every chapter use the same real data that professionals use to make evidence-based decisions in social policy research, market research, social work, education and other fields. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.