

Reading free Big data understanding how data powers big business Full PDF

Understanding Big Data: Analytics for Enterprise Class Hadoop and Streaming Data Data Mining Becoming a Data Head UNDERSTANDING DATA Data Science Fundamentals and Practical Approaches Understanding Data Communications Fundamentals of Data Science Data Demystified Keeping Up with the Quants Data Analytics Understanding Data Communications Data Mining for Business Intelligence The Real Work of Data Science Big Data for Business Big Data for Beginners A Beginners Guide To DATA SCIENCE Data Science for Beginners Data Resource Understanding Creating Good Data Data Resource Understanding Understanding Data Data Analytics for Beginners Understanding Robust and Exploratory Data Analysis HBR Guide to Data Analytics Basics for Managers (HBR Guide Series) Data in Digital Advertising Data Analytics The Data Loom Data Resource Integration Data Literacy Fundamentals Managing Data Science A General Introduction to Data Analytics Understanding Well-being Data Understanding Information Be Data Literate Forecasting the Internet Python for Data Science The Informed Company Data Mining for Business Analytics Understanding Data Communications and Networks Data Processing and Modeling with Hadoop

Understanding Big Data: Analytics for Enterprise Class Hadoop and Streaming Data

2011-10-22

big data represents a new era in data exploration and utilization and ibm is uniquely positioned to help clients navigate this transformation this book reveals how ibm is leveraging open source big data technology infused with ibm technologies to deliver a robust secure highly available enterprise class big data platform the three defining characteristics of big data volume variety and velocity are discussed you ll get a primer on hadoop and how ibm is hardening it for the enterprise and learn when to leverage ibm infosphere biginsights big data at rest and ibm infosphere streams big data in motion technologies industry use cases are also included in this practical guide learn how ibm hardens hadoop for enterprise class scalability and reliability gain insight into ibm s unique in motion and at rest big data analytics platform learn tips and tricks for big data use cases and solutions get a quick hadoop primer

Data Mining

2019-12-02

if you think there are shortcuts to data mining then think again so many people today think that data mining has the ability to sail away from every data storm the truth is it will not when you realize that you are struggling to improve the accuracy of models only then can you employ the use of data mining techniques for your rescue personally i have been through the same situations many times when i first started out as a business analytics personnel my mentor suggested that i spend a lot of time data mining and doing data analysis well i can t thank him enough for that piece of advice today we live in the age of massive production of data machines and platforms are churning out data like never before start by taking count of the number of gadgets you have how many services have you signed up for facebook instagram uber twitter e commerce the list is endless what is interesting is that all this data goes right back to whoever owns the product they then use that information to improve their products it is this process of gathering data that is referred to as data mining what you need to understand is that the more data you collect the more value you can deliver the more value you provide the more revenue your business generates here we will discuss what data mining is all about and how you can use that data to make a lot of difference in your business and the world around you come with me and let s get down to work

Becoming a Data Head

2021-04-13

turn yourself into a data head you ll become a more valuable employee and make your organization more successful thomas h davenport research fellow author of competing on analytics big data work and the ai advantage you ve heard the hype around data now get the facts in becoming a data head how to think speak and understand data science statistics and machine learning award winning data scientists alex gutman and jordan goldmeier pull back the curtain on data science and give you the language and tools necessary to talk and think critically about it you ll learn how to think statistically and understand the role variation plays in your life and decision making speak intelligently and ask the right questions about the statistics and results you encounter in the workplace understand what s really going on with machine learning text analytics deep learning and artificial intelligence avoid common pitfalls when working with and interpreting data becoming a data head is a complete guide for data science in the workplace covering everything from the personalities you ll work with to the math behind the algorithms the authors have spent years in data trenches and sought to create a fun approachable

2023-01-01

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and eminently readable book anyone can become a data head an active participant in data science statistics and machine learning whether you re a business professional engineer executive or aspiring data scientist this book is for you

UNDERSTANDING DATA

1979

learn how to process and analysis data using pythonÊ key featuresÊ the book has theories explained elaborately along with python code and corresponding output to support the theoretical explanations the python codes are provided with step by step comments to explain each instruction of the code the book is not just dealing with the background mathematics alone or only the programs but beautifully correlates the background mathematics to the theory and then finally translating it into the programs a rich set of chapter end exercises are provided consisting of both short answer questions and long answer questions description this book introduces the fundamental concepts of data science which has proved to be a major game changer in business solving problems Ê topics covered in the book include fundamentals of data science data preprocessing data plotting and visualization statistical data analysis machine learning for data analysis time series analysis deep learning for data science social media analytics business analytics and big data analytics the content of the book describes the fundamentals of each of the data science related topics together with illustrative examples as to how various data analysis techniques can be implemented using different tools and libraries of python programming language each chapter contains numerous examples and illustrative output to explain the important basic concepts an appropriate number of questions is presented at the end of each chapter for self assessing the conceptual understanding the references presented at the end of every chapter will help the readers to explore more on a given topic Ê what will you learnÊ perform processing on data for making it ready for visual plot and understand the pattern in data over time understand what machine learning is and how learning can be incorporated into a program know how tools can be used to perform analysis on big data using python and other standard tools perform social media analytics business analytics and data analytics on any data of a company or organization who this book is for the book is for readers with basic programming and mathematical skills the book is for any engineering graduates that wish to apply data science in their projects or wish to build a career in this direction the book can be read by anyone who has an interest in data analysis and would like to explore more out of interest or to apply it to certain real life problems table of contents 1 fundamentals of data sciencel 2 data preprocessing 3 data plotting and visualization 4 statistical data analysis 5 machine learning for data science 6 time series analysis 7 deep learning for data science 8 social media analytics 9 business analytics 10 big data analytics

Data Science Fundamentals and Practical Approaches

2020-06-02

fundamentals of data science is designed for students academicians and practitioners with a complete walkthrough right from the foundational groundwork required to outlining all the concepts techniques and tools required to understand data science data science is an umbrella term for the non traditional techniques and technologies that are required to collect aggregate process and gain insights from massive datasets this book offers all the processes methodologies various steps like data acquisition pre process mining prediction and visualization tools for extracting insights from vast amounts of data by the use of various scientific methods algorithms and processes readers will learn the steps necessary to create the application with sql nosql python r matlab octave and tablua this book provides a stepwise approach to building solutions to data science applications right from understanding the fundamentals performing data analytics to writing source code all the concepts are discussed in simple english to help the community to become data scientist without much pre requisite knowledge features simple strategies for developing statistical models that analyze data and detect patterns trends

2023-01-01

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and relationships in data sets complete roadmap to data science approach with dedicated sections which includes fundamentals methodology and tools focussed approach for learning and practice various data science tools with sample code and examples for practice information is presented in an accessible way for students researchers and academicians and professionals

Understanding Data Communications

1999

data demystified a beginner's guide to understanding the world through numbers is an engaging journey through the landscape of data unraveling its complexities and showcasing its profound impact on our daily lives and the broader world this book provides a foundational understanding of data's role in modern society exploring its historical evolution technical aspects and vast applications across various sectors the book begins by introducing the concept of data as the silent language that influences decisions predicts trends and shapes our personal preferences it guides readers through the fundamental aspects of data including its sources the terminology used to discuss it and the metrics and variables that help in data analysis each chapter progressively delves deeper into more complex topics such as data visualization statistical thinking and the principles behind effective data management practical applications of data are discussed extensively with examples from business healthcare education governance and more illustrating how data driven strategies can lead to better decision making and innovative solutions the book also addresses the technological advancements that have expanded data's capabilities such as big data analytics the internet of things iot and artificial intelligence ai data demystified is not just a technical guide it also considers the ethical dimensions of data use emphasizing the importance of responsible data management privacy concerns and the moral obligations of those who wield data in significant ways designed for beginners yet rich with insights the book aims to equip readers with the knowledge to not only understand but also effectively use data to enhance their decision making and strategic planning it encourages a statistical mindset while making the subject accessible and engaging through real world examples practical advice and a clear concise writing style

Fundamentals of Data Science

2021-09-26

why everyone needs analytical skills welcome to the age of data no matter your interests sports movies politics your industry finance marketing technology manufacturing or the type of organization you work for big company nonprofit small start up your world is awash with data as a successful manager today you must be able to make sense of all this information you need to be conversant with analytical terminology and methods and able to work with quantitative information this book promises to become your quantitative literacy guide helping you develop the analytical skills you need right now in order to summarize data find the meaning in it and extract its value in keeping up with the quants authors professors and analytics experts thomas davenport and jinho kim offer practical tools to improve your understanding of data analytics and enhance your thinking and decision making you'll gain crucial skills including how to formulate a hypothesis how to gather and analyze relevant data how to interpret and communicate analytical results how to develop habits of quantitative thinking how to deal effectively with the quants in your organization big data and the analytics based on it promise to change virtually every industry and business function over the next decade if you don't have a business degree or if you aren't comfortable with statistics and quantitative methods this book is for you keeping up with the quants will give you the skills you need to master this new challenge and gain a significant competitive edge

Data Demystified

2024-04-19

read for free with kindle unlimited data analytics essentials to master data analytics choose to understand data analytics if you want to learn about data analytics statistical informations and how to leverage your business get your copy today take it now the information in the world doubles every 20 months important data sources are business and industrial processes text and structured databases images and videos and physical and biomedical data data analytics allows finding relevant information structures and patterns to gain new insights to identify causes and effects to predict future developments or to suggest optimal decisions we need models and algorithms to collect preprocess analyze and evaluate data from various fields such as statistics machine learning pattern recognition system theory operations research or artificial intelligence with this book you will learn about the most important methods and algorithms for data analytics you will be able to choose appropriate methods for specific tasks and apply these in your own data analytics projects you will understand the basic concepts of the growing field of data analytics which will allow you to keep pace and to actively contribute to the advancement of the field here is a preview of what you ll learn what are data analytics how important is big data in your business the advantage getting a better understanding of data management examples and practical methods to implement much much more check out what others are saying i m passionate about business and understanding analytics and how deep things can operate this book really helped in my search of understanding thank you conor grunion

Keeping Up with the Quants

2013-05-21

learn how to develop models for classification prediction and customer segmentation with the help of data mining for business intelligence in today s world businesses are becoming more capable of accessing their ideal consumers and an understanding of data mining contributes to this success data mining for business intelligence which was developed from a course taught at the massachusetts institute of technology s sloan school of management and the university of maryland s smith school of business uses real data and actual cases to illustrate the applicability of data mining intelligence to the development of successful business models featuring xlminer the microsoft office excel add in this book allows readers to follow along and implement algorithms at their own speed with a minimal learning curve in addition students and practitioners of data mining techniques are presented with hands on business oriented applications an abundant amount of exercises and examples are provided to motivate learning and understanding data mining for business intelligence provides both a theoretical and practical understanding of the key methods of classification prediction reduction exploration and affinity analysis features a business decision making context for these key methods illustrates the application and interpretation of these methods using real business cases and data this book helps readers understand the beneficial relationship that can be established between data mining and smart business practices and is an excellent learning tool for creating valuable strategies and making wiser business decisions

Data Analytics

2017-04-04

the essential guide for data scientists and for leaders who must get more from their data science teams the economist boldly claims that data are now the world s most valuable resource but as kenett and redman so richly describe unlocking that value requires far more than technical excellence the real work

2023-01-01

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of data science explores understanding the problems dealing with quality issues building trust with decision makers putting data science teams in the right organizational spots and helping companies become data driven this is the work that spells the difference between a good data scientist and a great one between a team that makes marginal contributions and one that drives the business between a company that gains some value from its data and one in which data truly is the most valuable resource these two authors are world class experts on analytics data management and data quality they ve forgotten more about these topics than most of us will ever know their book is pragmatic understandable and focused on what really counts if you want to do data science in any capacity you need to read it thomas h davenport distinguished professor babson college and fellow mit initiative on the digital economy i like your book the chapters address problems that have faced statisticians for generations updated to reflect today s issues such as computational big data sir david cox warden of nuffield college and professor of statistics oxford university data science is critical for competitiveness for good government for correct decisions but what is data science kenett and redman give by far the best introduction to the subject i have seen anywhere they address the critical questions of formulating the right problem collecting the right data doing the right analyses making the right decisions and measuring the actual impact of the decisions this book should become required reading in statistics and computer science departments business schools analytics institutes and most importantly by all business managers a blanton godfrey joseph d moore distinguished university professor wilson college of textiles north carolina state university

Understanding Data Communications

1987

big data for business your comprehensive guide to understand data science data analytics and data mining to boost more growth and improve business is big data worth it does it work for me or my business how can big data with analytics help spur my next business growth do you know that last two years accounts for 90 percent of the data in the world data whispers stories only if you listen carefully process it analyze it and act on it to move towards your next revolution many individuals life and businesses have been transformed by big data and in fact you are already part of the big data if you are into social media look out for this very interesting link that you really need to see it for yourself it will widen your horizon in this book you will have gain tremendous insights understanding and basics of big data and how it can helps to identify new growth areas and product opportunities streamline their costs increase their operating margins and above all make better human resource decisions using efficient budgets the future belongs to only those who embrace big data take your first step now what you will learn in big data for business your comprehensive guide to understand data science data analytics and data mining to boost more growth and improve business you will learn all about big data and the challenges you will learn when to use descriptive or predictive analytics you will discover what are the popular tools that data scientists are using now you will learn the various algorithms used in big data you will what is big data and nosql technologies you will explore the different social examples and business applications of big data and many more this big data for business your comprehensive guide to understand data science data analytics and data mining to boost more growth and improve business is your must have guide to explore and learn about the impact of big data for business and understand how you can starts forming ideas on how you can use it for your next business growth the bottom line what are you waiting for start today by making the smartest investment you could possibly make an investment in yourself your knowledge and your business growth don t hesitate to pick up your copy today by clicking the buy now button at the top of this page

Data Mining for Business Intelligence

2006-12-11

big data for beginners the ultimate beginners crash course to understanding and interpreting big data are you ready to learn how to understand smart big data data mining data analytics for improved business performance life decisions more if so you ve come to the right place regardless of how little experience you may have here s a preview of what big data for beginners contains a conundrum called big data how to understand big data better what can big data do for you understanding the analytics and the importance the obstacles and importance of the big data situation we re in a closer look at key big data challenges generating business value through data mining and much much more order your copy now and let s get started

The Real Work of Data Science

2019-04-01

calling all the aspiring data scientists this book is your one stop shop to kick start your data science career without knowing how to code in fact data science doesn t have to be complicated with this book you will grow an understanding of the foundations of data science and its applications to master this book you don t need technical abilities this book is recommended for beginners and anybody who want to understand data science conveniently you don t need a big textbook to master data science today a straightforward language has been used to ensure ease of understanding especially for beginners key features include introduction to data science history of data science data science life cycle data science tools and technologies data science methodology data science models developing data science business strategy managing data science projects becoming a data scientist data engineers etc doing data science without coding big data data mining artificial intelligence machine learning deep learning neural networks mathematical analysis statistical modelling understanding the fundamentals of python and r database structures and principles robotic process automation data science acronyms you need to know online free data science learning resources and a lot more

Big Data for Business

2017-08-10

data science is like having a special tool that lets you turn numbers and information into useful knowledge it s a bit like being a detective using clues to solve mysteries and make the world a better place what to expect starting from scratch don t worry if you re new to this this book begins with the basics and makes sure you understand everything along the way hands on fun learning is more fun when you do it yourself this book is filled with easy activities and real life examples no more data mysteries this book will show you how to collect data clean it up and use it to answer questions it s like learning a new game and this book will be your game guide discover your superpower with the knowledge you gain from this book you ll be able to tackle problems boost your career and maybe even change the world a little with data science why choose this book easy to understand this book promises to explain everything in simple words so you won t get lost in technical jargon learn by doing instead of just reading this book will let you practice what you learn with fun exercises become a data detective are you ready to unlock the secrets hidden in data data science for beginners is your key to start this exciting journey whether you re aiming for a new career or just want to satisfy your curiosity this book will guide you through the world of data science

Big Data for Beginners

2016-05-16

data resource understanding is the companion book to data resource data it provides a detailed explanation of how to thoroughly understand an organization's data resource and to document that understanding with data resource data

A Beginners Guide To DATA SCIENCE

2021-03-31

create good data from the start rather than fixing it after it is collected by following the guidelines in this book you will be able to conduct more effective analyses and produce timely presentations of research data data analysts are often presented with datasets for exploration and study that are poorly designed leading to difficulties in interpretation and to delays in producing meaningful results much data analytics training focuses on how to clean and transform datasets before serious analyses can even be started inappropriate or confusing representations unit of measurement choices coding errors missing values outliers etc can be avoided by using good dataset design and by understanding how data types determine the kinds of analyses which can be performed this book discusses the principles and best practices of dataset creation and covers basic data types and their related appropriate statistics and visualizations a key focus of the book is why certain data types are chosen for representing concepts and measurements in contrast to the typical discussions of how to analyze a specific data type once it has been selected what you will learn be aware of the principles of creating and collecting data know the basic data types and representations select data types anticipating analysis goals understand dataset structures and practices for analyzing and sharing be guided by examples and use cases good and bad use cleaning tools and methods to create good data who this book is for researchers who design studies and collect data and subsequently conduct and report the results of their analyses can use the best practices in this book to produce better descriptions and interpretations of their work in addition data analysts who explore and explain data of other researchers will be able to create better datasets

Data Science for Beginners

2023-09-29

for statistics to be used by sociologists and especially by students of sociology they must first be easy to understand and use accordingly this book is aimed at that legion of professional sociologists and students who have always feared numbers it employs much visual display for example as an easy way into the data also the book is written in a relaxed and enthusiastic way that reassures apprehensive students without watering down what they must be taught classical statistics were developed to meet the requirements of the natural sciences as such they reflect the more deductive nature of hypothesis development in these sciences however they have offered the sociologists little in the way of techniques for exploring messy data in the context of incomplete theories this book attempts to remedy those weaknesses and it emphasizes exploratory data techniques which sociologists will find useful in their day to day research the primary characteristics of exploratory techniques discussed by the authors are simplicity resistance and elucidation its coverage is from basic statistics up to multiple regression and two way anova the inter relationship between exploratory and confirmatory techniques is stressed and through the alternating presentation of each the students learn to master data analysis to be and to feel in control

Data Resource Understanding

2015-01-31

if you are convinced that the world today is producing more data than the previous decades then you understand that processing yesterday's data for today's use at times is not enough the level of data analysis that is needed in highly competitive business environment needs to be processed analyzed and used immediately for businesses to be ahead of their competition having this in mind you need to understand from the ground up what data is the different types of data and how you should identify the right data for your business to help you understand the simple basics of data and how it needs to be analyzed then data analytics for beginners is the book that you have been waiting for the size and type of business you are running doesn't matter because after all it will depend on your ability to understand the data that your business is exposed to so as to make better business decisions for the current working environment and the future are there patterns in your business that you cannot see do you want to make sense of the shopping trends of your clients to better enrich their experience do you want to know your target market even more do you want to better derive insights from the feedback your clients give you these questions can only be answered when you perform a data analysis for your business collecting the data is one thing analyzing them is another matter entirely as it is not something that can be done haphazardly by just looking at the data if you hope to understand your data well you need to understand the data you are collecting the methods to use and the right tools to use when analyzing the data inside you will find valuable steps and tools that will help make your information work for you do not let yourself get complacent stop looking at the data that you collect each day and start analyzing your data to move your business up get started by buying this book today inside you will find how data should be understood terms and concepts used in data analysis data mining and the different kinds of databases used to store data how information can be retrieved and manipulated in the database to create a visual representation of what you want to know the life cycle of data analysis and more

Creating Good Data

2020-10-28

textbook on robust and exploratory data analysis and related statistical methods covers stem and leaf displays letter values boxplots and batch graphic displays resistant lines analysis of two way tables by medians examining residuals mathematical aspects of transformation scale estimators comparison of location estimators confidence intervals for location etc references

Data Resource Understanding

2015

don't let a fear of numbers hold you back today's business environment brings with it an onslaught of data now more than ever managers must know how to tease insight from data to understand where the numbers come from make sense of them and use them to inform tough decisions how do you get started whether you're working with data experts or running your own tests you'll find answers in the hbr guide to data analytics basics for managers this book describes three key steps in the data analysis process so you can get the information you need study the data and communicate your findings to others you'll learn how to identify the metrics you need to measure run experiments and a/b tests ask the right questions of your data experts understand statistical terms and concepts create effective charts and visualizations avoid common mistakes

Understanding Data

1992-09-16

this book is your ultimate guide to advertising data landscape it covers everything from basic concepts all the way to developing a successful data strategy you will learn where advertising data comes from and how it flows around the ecosystem it will help you understand what data is available for targeting from third party vendors as well as standalone advertising platforms such as facebook google or amazon data management platforms dmps are explored in depth with detailed profiles of the most popular providers all of this is set into context of key privacy regulations including general data protection regulation gdpr the final chapter gives you a blueprint for designing your own successful data strategy

Data Analytics for Beginners

2017-10

it doesn't matter if your business has three employees or three hundred you are likely generating far more information than you may realize and certainly far more than you are likely tracking effectively understanding what this data truly means starts with managing it successfully which is where the process of data analytics comes into play if you like the sound of putting your data to good use but aren't quite sure what the ins and outs of data analytics entails then data analytics a comprehensive beginners guide to learn and understand data analytics and its functions is the book you have been waiting for on average there are roughly two quintillion bytes worth of new data created each and every day which means that knowing what to do with it is easily a full time job luckily there are a wide variety of options out there when it comes to focusing in on the data that you want to use and using it in the most effective way possible inside you will find all the tools you are going to need in order to do just that regardless if you are part of multinational conglomerate or are running your own startup having the right data means being able to make the right decisions about your future because you know what your customers want often before they do making the right decision in the moment means understanding the potential that this book is offering and making the choice to go ahead and click buy your future more successful business will thank you

Understanding Robust and Exploratory Data Analysis

1983

contrary to popular myth we do not yet live in the information age at best we live the data age obsessed with the production collection storage dissemination and monetization of digital data but data in and of itself isn't valuable data only becomes valuable when we make sense of it we rely on information professionals to help us understand data but most fail in their efforts why not because they lack intelligence or tools but mostly because they lack the necessary skills most information professionals have been trained primarily in the use of data analysis tools tableau powerbi qlik sas excel r etc but even the best tools are only useful in the hands of skilled individuals anyone can pick up a hammer and pound a nail but only skilled carpenters can use a hammer to build a reliable structure making sense of data is skilled work and developing those skills requires study and practice weaving data into understanding involves several distinct but complementary thinking skills foremost among them are critical thinking and scientific thinking until information professionals develop these capabilities we will remain in the dark ages of data this book is for information professionals especially those who have been thrust into this important work without having a chance to develop these foundational skills if you're an information professional and have never been trained to think critically and scientifically with data this book will get you started once on this path you'll be able to help usher in an information age worthy of the name

HBR Guide to Data Analytics Basics for Managers (HBR Guide Series)

2018-03-13

data resource integration explains how to go about understanding and resolving a disparate data resource and creating a compare data resource that fully meets an organization s current and future business information demand

Data in Digital Advertising

2018-03-15

the vast majority of people in the world today do not receive a formal education that adequately prepares them for the level of data literacy required of them in their careers and by their communities as a result many are being left behind by the transition to data driven dialogues and decisions all around them and they re seeking ways to break down the barriers that are preventing them from participating data literacy fundamentals covers foundational topics such as the overall goal of data various ways of measuring and categorizing the world five different forms of data analysis and when they apply pros and cons related to how we display data in tabular or graphic form and the way teams work together to convert data into insight this book has been written for anyone who is just getting started with data and who wants to feel more confident in their understanding of what it is what it isn t and what it s used for this invaluable resource will cure you of your dataphobia teach you the basic concepts of data and set you on a path of learning that will ultimately result in fluency in the language of data

Data Analytics

2017-11-05

understand data science concepts and methodologies to manage and deliver top notch solutions for your organization key featureslearn the basics of data science and explore its possibilities and limitationsmanage data science projects and assemble teams effectively even in the most challenging situationsunderstand management principles and approaches for data science projects to streamline the innovation processbook description data science and machine learning can transform any organization and unlock new opportunities however employing the right management strategies is crucial to guide the solution from prototype to production traditional approaches often fail as they don t entirely meet the conditions and requirements necessary for current data science projects in this book you ll explore the right approach to data science project management along with useful tips and best practices to guide you along the way after understanding the practical applications of data science and artificial intelligence you ll see how to incorporate them into your solutions next you will go through the data science project life cycle explore the common pitfalls encountered at each step and learn how to avoid them any data science project requires a skilled team and this book will offer the right advice for hiring and growing a data science team for your organization later you ll be shown how to efficiently manage and improve your data science projects through the use of devops and modelops by the end of this book you will be well versed with various data science solutions and have gained practical insights into tackling the different challenges that you ll encounter on a daily basis what you will learnunderstand the underlying problems of building a strong data science pipelineexplore the different tools for building and deploying data science solutionshire grow and sustain a data science teammanage data science projects through all stages from prototype to productionlearn how to use modelops to improve your data science pipelinesget up to speed with the model testing techniques used in both development and production stageswho this book is for this book is for data scientists analysts and program managers who want to use data science for business

productivity by incorporating data science workflows efficiently some understanding of basic data science concepts will be useful to get the most out of this book

The Data Loom

2019-05-15

a guide to the principles and methods of data analysis that does not require knowledge of statistics or programming a general introduction to data analytics is an essential guide to understand and use data analytics this book is written using easy to understand terms and does not require familiarity with statistics or programming the authors noted experts in the field highlight an explanation of the intuition behind the basic data analytics techniques the text also contains exercises and illustrative examples thought to be easily accessible to non experts the book provides motivation to the necessity of analyzing data it explains how to visualize and summarize data and how to find natural groups and frequent patterns in a dataset the book also explores predictive tasks be them classification or regression finally the book discusses popular data analytic applications like mining the web information retrieval social network analysis working with text and recommender systems the learning resources offer a guide to the reasoning behind data mining techniques a unique illustrative example that extends throughout all the chapters exercises at the end of each chapter and larger projects at the end of each of the text s two main parts together with these learning resources the book can be used in a 13 week course guide one chapter per course topic the book was written in a format that allows the understanding of the main data analytics concepts by non mathematicians non statisticians and non computer scientists interested in getting an introduction to data science a general introduction to data analytics is a basic guide to data analytics written in highly accessible terms

Data Resource Integration

2012

following the data is a now familiar phrase in covid 19 policy communications well being data are pivotal in decisions that affect our life chances livelihoods and quality of life they are increasingly valuable to companies with their eyes on profit organisations looking to make a social impact and governments focussed on societal problems this book follows well being data back centuries showing they have long been used to track the health and wealth of society it questions assumptions that have underpinned over 200 years of social science statistical and policy work understanding well being data is a readable introductory book with real life examples understanding the contexts of data and decision making are critical for policy practice and research that aims to do good or at least avoid harm through its comprehensive survey and critical lens this book provides tools to promote better understanding of the power and potential of well being data for society and the limits of their application

Data Literacy Fundamentals

2020-07-03

the motivation of this edited book is to generate an understanding about information related concepts and the roles they play in the modern technology permeated world in order to achieve our goal we observe how information is understood in domains such as cosmology physics biology neuroscience computer science artificial intelligence the internet big data information society or philosophy together these observations form an integrated view so that

2023-01-01

12/17

church budget guidelines

readers can better understand this exciting building block of modern day society on the surface information is a relatively straightforward and intuitive concept underneath however information is a relatively versatile and mysterious entity for instance the way a physicist looks at information is not necessarily the same way as that of a biologist a neuroscientist a computer scientist or a philosopher actually when it comes to information it is common that each field has its domain specific views motivations interpretations definitions methods technologies and challenges with contributions by authors from a wide range of backgrounds understanding information from the big bang to big data will appeal to readers interested in the impact of information on modern day life from a variety of perspectives

Managing Data Science

2019-11-12

winner international book awards 2023 business technology in the fast moving world of the fourth industrial revolution not everyone needs to be a data scientist but everyone should be data literate with the ability to read analyze and communicate with data it is not enough for a business to have the best data if those using it don't understand the right questions to ask or how to use the information generated to make decisions be data literate is the essential guide to developing the curiosity creativity and critical thinking necessary to make anyone data literate without retraining as a data scientist or statistician with learnings to show development and real world examples from industries implementing data literacy skills this book explains how to confidently read and speak the language of data in the modern business environment and everyday life be data literate is a practical guide to understanding the four levels of analytics how to analyze data and the key steps to making smarter data informed decisions written by a founding pioneer and worldwide leading expert on data literacy this book empowers professionals with the skills they need to succeed in the digital world

A General Introduction to Data Analytics

2018-06-25

david o loomis illinois state university the explosive growth of the internet has caught most industry experts off guard while data communications was expected to be the wave of the future few industry observers foresaw how rapid the change in focus from voice communications towards data would be understanding the data communications revolution has become an urgent priority for many in the telecommunications industry demand analysis and forecasting are critical tools to understanding these trends for both internet access and internet backbone service businesses have led residential customers in the demand for data services but residential demand is currently increasing exponentially even as business demand for data communications is becoming better understood residential broadband access demand is still largely unexplored cable modems and adsl appear to be the current residential broadband choices yet demand elasticities and econometric model based forecasts for these services are not currently available the responsiveness of customers to price and income changes and customer's perceptions of the tradeoff in product characteristics between cable modems and adsl is largely unknown demand for internet access is derived from the demand for applications which utilize this access access is not demanded independent of its usage thus it is important to understand internet applications in order to understand the demand for access

Understanding Well-being Data

2021

here s the perfect solution if you want to become the master of data science and learn python step by step would you like to learn a super competitive skill become irreplaceable in the future job market upgrade yourself to the ultimate data whizz if so then keep reading data science is one of the emerging technologies that is set to radically transform the job market with applications in almost every industry data science experts will have no shortage of great job offers but the whole field may seem a little intimidating if your background is not specific to data science this book is here to guide you through the field of data science from the very beginning you will learn the fundamental skills and tools to support your learning process if you re a beginner this is the book to help you easily understand the basics of data science to understand data science you also need a good understanding of how python helps you design and implement these projects this guidebook is going to explain how we can get all of this done here just a little preview of what you ll find inside this book a thorough and simple explanation of data science and the way it works basics of data science and fundamental skills you need to get started data science libraries you need to learn to become a data whizz a blueprint for the most used frameworks for python data science how to process and understand the data and design your own projects and so much more even if you re an absolute beginner with little programming experience you will find this book easy to follow and implement this guide is your first step towards a successful data science career so don t hesitate scroll up click the buy now with 1 click and get your copy

Understanding Information

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learn how to manage a modern data stack and get the most out of data in your organization thanks to the emergence of new technologies and the explosion of data in recent years we need new practices for managing and getting value out of data in the modern data driven competitive landscape the best guess approach reading blog posts here and there and patching together data practices without any real visibility is no longer going to hack it the informed company provides definitive direction on how best to leverage the modern data stack including cloud computing columnar storage cloud etl tools and cloud bi tools you ll learn how to work with agile methods and set up processes that s right for your company to use your data as a key weapon for your success you ll discover best practices for every stage from querying production databases at a small startup all the way to setting up data marts for different business lines of an enterprise in their work at chartio authors fowler and david have learned that most businesspeople are almost completely self taught when it comes to data if they are using resources those resources are outdated so they re missing out on the latest cloud technologies and advances in data analytics this book will firm up your understanding of data and bring you into the present with knowledge around what works and what doesn t discover the data stack strategies that are working for today s successful small medium and enterprise companies learn the different agile stages of data organization and the right one for your team learn how to maintain data lakes and data warehouses for effective accessible data storage gain the knowledge you need to architect data warehouses and data marts understand your business s level of data sophistication and the steps you can take to get to level up your data the informed company is the definitive data book for anyone who wants to work faster and more nimbly armed with actionable decision making data

Be Data Literate

2021-03-03

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Forecasting the Internet

2002

thoroughly updated for currency this book offers a clear presentation of data communications and network fundamentals featuring a wide array of applications the book fully explains concepts and supports them with case studies or descriptions of specific software and other products students learn the protocols of analog and digital signals data compression data integrity data security local area networks asynchronous transfer mode atm and much more the third edition includes important information on the latest developments of the internet

Python for Data Science

2021-03-09

understand data in a simple way using a data lake key features in depth practical demonstration of hadoop yarn concepts with numerous examples includes graphical illustrations and visual explanations for hadoop commands and parameters includes details of dimensional modeling and data vault modeling includes details of how to create and define a structure to a data lake description the book data processing and modeling with hadoop explains how a distributed system works and its benefits in the big data era in a straightforward and clear manner after reading the book you will be able to plan and organize projects involving a massive amount of data the book describes the standards and technologies that aid in data management and compares them to other technology business standards the reader receives practical guidance on how to segregate and separate data into zones as well as how to develop a

model that can aid in data evolution it discusses security and the measures that are utilized to reduce the impact of security self service analytics data lake data vault 2 0 and data mesh are discussed in the book after reading this book the reader will have a thorough understanding of how to structure a data lake as well as the ability to plan organize and carry out the implementation of a data driven business with full governance and security what you will learn learn the basics of components to the hadoop ecosystem understand the structure files and zones of a data lake learn to implement the security part of the hadoop ecosystem learn to work with the data vault 2 0 modeling learn to develop a strategy to define good governance learn new tools to work with data and big data who this book is for this book caters to big data developers technical specialists consultants and students who want to build good proficiency in big data knowing basic sql concepts modeling and development would be good although not mandatory table of contents 1 understanding the current moment 2 defining the zones 3 the importance of modeling 4 massive parallel processing 5 doing etl elt 6 a little governance 7 talking about security 8 what are the next steps

The Informed Company

2021-10-22

Data Mining for Business Analytics

2016-04-18

Understanding Data Communications and Networks

2004

Data Processing and Modeling with Hadoop

2021-10-12

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