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open data and policy implications coming from data aware planning entail collection and pre and postprocessing as operations of primary interest before these steps making data available to people and their decision makers is a crucial point referring to the relationship between data and energy public administrations governments and research bodies are promoting the construction of reliable and robust datasets to pursue policies coherent with the sustainable development goals as well as to allow citizens to make informed choices energy engineers and planners must provide the simplest and most robust tools to collect process and analyze data in order to offer solid data based evidence for future projections in building district and regional systems planning this special issue aims at providing the state of the art on open energy data analytics its availability in the different contexts i e country peculiarities and its availability at different scales i e building district and regional for data aware planning and policy making for all the aforementioned reasons we encourage researchers to share their original works on the field of open data and energy analytics topics of primary interest include but are not limited to the following 1 open data and energy sustainability 2 open data science and energy planning 3 open science and open governance for sustainable development goals 4 key performance indicators of data aware energy modelling planning and policy 5 energy water and sustainability database for building district and regional systems 6 best practices and case studies provides information on building an ajax based site using asp net 3 5 biannually since 1994 the european conference on product and process modelling in the building and construction industry has provided a review of research given valuable future work outlooks and provided a communication platform for future co operative research and development at both european and global levels this volume of special interest to our newly digital world is generating an almost unimaginable amount of data about all of us such a vast amount of data is useless without plans and strategies that are designed to cope with its size and complexity and which enable organisations to leverage the information to create value this book is a refreshingly practical yet theoretically sound roadmap to leveraging big data and analytics creating value with big data analytics provides a nuanced view of big data development arguing that big data in itself is not a revolution but an evolution of the increasing availability of data that has been observed in recent times building on the authors extensive academic and practical knowledge this book aims to provide managers and analysts with strategic directions and practical analytical solutions on how to create value from existing and new big data by tying data and analytics to specific goals and processes for implementation this is a much needed book that will be essential reading for students and specialists of data analytics marketing research and customer relationship management hands on investigations give scientists in grades 5 6 the skills they need for success skill building science includes lessons activities and writing exercises on physical science earth science and life science biographies of scientists with accompanying activities increase student awareness of scientist as an occupation this 128 page book includes reproducibles aligns with state national and canadian provincial standards and supports national science education standards every year more and more information technology teams are finding themselves needing to build a new data center and relocate their current environment to that new site the massive challenge of building and migrating a data center to a new location requires a unique set of skills that are almost never available in a typical it department the stakes are huge fail in the effort for a seamless as in invisible migration can result in anything from a destroyed career to a failed business the skills needed include understanding how to define your data center requirements site selection skills data center design and build skills a solid understanding of data center critical infrastructure as well as application and data migration specialized project management skills and incredibly broad knowledge across technologies this book is part of a five book series called the data center builder s bible the practical series will take you from the first moment you learn or decide that a new data center project is necessary all the way through the completion of relocating all the essential technology and applications to the new site and returning your old site to the landlord it includes the lessons learned and landmines addressed from almost 30 years of building and relocating data centers this book 1 of the series defining the requirements of your data center is a 200 page print version deep dive into two aspects of the overall project by following the recommendations in this book you will be able to complete a set of data center requirements that will be well understood by any data center operator or builder and will get you the most favorable pricing you will be all set to enter the site selection phase covered in book 2 of this series data
center basics for the newbies looking at this book we will spend some time at the very start talking about what a
data center is and the different types of data centers you will come across also we will explore how your
deployment will differ if the new site is a primary production site or a disaster recovery failover site defining the
requirements before you can even start selecting a site for a new data center you need to have clarity about the
requirements for your new site data center operators have specific ways of defining their facility and services and
you need to map your requirements into the same measures as the data center industry uses to design their
proposals in this book you will learn what those measures are and how to present them to the potential vendors we
will cover how to define the amount and types of space you will require how much power how you want it delivered
and how you want the data center operator to bill you for your power consumption we will talk through site
locations cooling and security requirements availability and efficiency goals and the need for clarity regarding
network and carrier provisioning the five books that constitute this series are book 1 defining your data center
requirementsbook 2 site identification and selectionbook 3 designing the new data centerbook 4 building and
relocating to the new data centerbook 5 managing the new data center projectabout the author art carapola has
been designing building and relocating data centers since 1991 ranging from small server room environments to
enterprise data centers consisting of hundreds of thousands of feet of equipment space his record of 100 successful
on time and budget data center projects has made him a sought after expert in the field art is president and cto of
newvista advisors llc a consulting firm specializing in data center trading floor and it infrastructure design
implementation and project management the thoroughly revised and updated fourth edition of the companion
workbook to quantitative investment analysis is here now in its fourth edition the quantitative investment analysis
workbook offers a range of practical information and exercises that will facilitate your mastery of quantitative
methods and their application in today s investment process part of the reputable cfa institute investment series
the workbook is designed to further your hands on experience with a variety of learning outcomes summary
overview sections and challenging problems and solutions the workbook provides all the statistical tools and latest
information to help you become a confident and knowledgeable investor including expanded problems on machine
learning algorithms and the role of big data in investment contexts well suited for motivated individuals who learn
on their own as well as a general reference this companion resource delivers a clear example driven method for
practicing the tools and techniques covered in the primary quantitative investment analysis 4th edition text inside
you ll find information and exercises to help you work real world problems associated with the modern quantitative
investment process master visualizing and summarizing data review the fundamentals of single linear and multiple
linear regression use multifactor models measure and manage market risk effectively in both the workbook and the
primary quantitative investment analysis 4th edition text the authors go to great lengths to ensure an even
treatment of subject matter consistency of mathematical notation and continuity of topic coverage that is critical to
the learning process for everyone who requires a streamlined route to mastering quantitative methods in
investments quantitative investment analysis workbook 4th edition offers world class practice based on actual
scenarios faced by professionals every day as the impact of data science continues to grow on society there is an
increased need to discuss how data is appropriately used and how to address misuse yet ethical principles for
working with data have been available for decades the real issue today is how to put those principles into action
with this report authors mike loukides hilary mason and dj patil examine practical ways for making ethical data
standards part of your work every day to help you consider all of possible ramifications of your work on data
projects this report includes a sample checklist that you can adapt for your own procedures five framing guidelines
the five c s for building data products consent clarity consistency control and consequences suggestions for building
ethics into your data driven culture now is the time to invest in a deliberate practice of data ethics for better
products better teams and better outcomes get a copy of this report and learn what it takes to do good data
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how to train a decision tree machine learning algorithm in data science bookcamp you ll test and build your
knowledge of python with the kind of open ended problems that professional data scientists work on every day
downloadable data sets and thoroughly explained solutions help you lock in what you ve learned building your
confidence and making you ready for an exciting new data science career purchase of the print book includes a free
ebook in pdf kindle and epub formats from manning publications about the technology a data science project has a

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lot of moving parts and it takes practice and skill to get all the code algorithms datasets formats and visualizations working together harmoniously this unique book guides you through five realistic projects including tracking disease outbreaks from news headlines analyzing social networks and finding relevant patterns in ad click data about the book data science bookcamp doesn t stop with surface level theory and toy examples as you work through each project you ll learn how to troubleshoot common problems like missing data messy data and algorithms that don t quite fit the model you re building you ll appreciate the detailed setup instructions and the fully explained solutions that highlight common failure points in the end you ll be confident in your skills because you can see the results what s inside scraping organize datasets with clustering algorithms visualize complex multi variable datasets train a decision tree machine learning algorithm about the reader for readers who know the basics of python no prior data science or machine learning skills required about the author leonard apeltsin is the head of data science at anomaly where his team applies advanced analytics to uncover healthcare fraud waste and abuse table of contents case study 1 finding the winning strategy in a card game 1 computing probabilities using python 2 plotting probabilities using matplotlib 3 running random simulations in numpy 4 case study 1 solution case study 2 assessing online ad clicks for significance 5 basic probability and statistical analysis using scipy 6 making predictions using the central limit theorem and scipy 7 statistical hypothesis testing 8 analyzing tables using pandas 9 case study 2 solution case study 3 tracking disease outbreaks using news headlines 10 clustering data into groups 11 geographic location visualization and analysis 12 case study 3 solution case study 4 using online job postings to improve your data science resume 13 measuring text similarities 14 dimension reduction of matrix data 15 nlp analysis of large text datasets 16 extracting text from web pages 17 case study 4 solution case study 5 predicting future friendships from social network data 18 an introduction to graph theory and network analysis 19 dynamic graph theory techniques for node ranking and social network analysis 20 network driven supervised machine learning 21 training linear classifiers with logistic regression 22 training nonlinear classifiers with decision tree techniques 23 case study 5 solution oracle database programming with visual basic net discover a detailed treatment of the practical considerations and applications of oracle database programming with visual basic 2019 oracle database programming with visual basic net concepts designs and implementations delivers a comprehensive exploration of the foundations of oracle database programming using visual basic net using visual basic net 2019 visual studio net 2019 and oracle 18c xe the book introduces the oracle database development system oracle sql developer and modeler and teaches readers how to implement a sample database solution the distinguished author also demonstrates the use of dotconnect for oracle to show readers how to create an effective connection to an oracle 18c xe database the current versions of the net framework asp net and asp net 4 7 are also explored and used to offer readers the most up to date web database programming techniques available today the book provides practical example projects and detailed line by line descriptions throughout to assist readers in the development of their database programming skill students will also benefit from the inclusion of a thorough introduction to databases including definitions examples descriptions of keys and relationships and some database components in popular databases like access sql and oracle an exploration of ado net including its architecture and components like the datarreader class dataset component datatable component and the command and parameter classes a discussion of language integrated query linq including its architecture and components its relationship to objects dataset oracle and entities an explanation of how to access data in asp net and asp net services with multiple real project examples perfect for college and university students taking courses related to database programming and applications oracle database programming with visual basic net will also earn a place in the libraries of programmers and software engineers seeking a comprehensive reference for database coding in visual basic net master java persistence using the industry leading tools spring data and hibernate java persistence with spring data and hibernate dives deep into persistence with the most popular available tools including spring data jpa spring data jdbc spring data rest jpa and hibernate begin with a hands on introduction to object relational mapping orm then dive into mapping strategies for linking up objects and your database you ll learn about the different approach to transactions for both hibernate and spring data and even how to deliver java persistence with non relational databases finally you ll explore testing strategies for persistent applications to keep your code clean and bug free purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications this text reflects the interdisciplinary nature of gis research and includes coverage of such themes as virtual gis spatial analysis artificial intelligence spatial agents and fuzzy systems and space time gis and gis applications become efficient in both frontend and backend web development with spring and vue key features connect application s frontend and backend with vue vuex and spring boot leverage the latest web standards to enhance code
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performance readability and cross compatibility build secure full stack web applications with spring security book description building applications with spring 5 and vue js 2 with its practical approach helps you become a full stack web developer as well as knowing how to write frontend and backend code a developer has to tackle all problems encountered in the application development life cycle starting from the simple idea of an application to the ui and technical designs and all the way to implementation testing production deployment and monitoring with the help of this book you'll get to grips with spring 5 and vue js 2 as you learn how to develop a web application from the initial structuring to full deployment you'll be guided at every step of developing a web application from scratch with vue js 2 and spring 5 you'll learn how to create different components of your application as you progress through each chapter followed by exploring different tools in these frameworks to expedite your development cycle by the end of this book you'll have gained a complete understanding of the key design patterns and best practices that underpin professional full stack web development what you will learn analyze requirements and design data models develop a single page application using vue js 2 and spring 5 practice concept logical and physical data modeling design implement secure and test restful api add test cases to improve reliability of an application monitor and deploy your application to production who this book is for building applications with spring 5 0 and vue js 2 0 is for you if you are developer who is new to vue js or spring it is assumed that you have some knowledge of html css and java with the increased concern for energy conservation in recent years much attention has been focused on lighting energy consumption and methods for reducing it along with this concern for energy efficient lighting has come the realization that lighting has profound effects on worker productivity as well as important aesthetic qualities this book presents an introduction to lighting design and energy efficiency which can be utilized while maintaining the quality of illumination topics include lighting energy management selection of lamps task lighting lighting design lighting control reflectors ballast selection natural daylighting wireless lighting control and case studies critically acclaimed training includes interactive video and a printed guide to creating dynamic websites in adobe dreamweaver cs5 5 highly focused workshop offers 3 hours of high quality video tutorials from an experienced instructor plus a 48 page full color printed guide build compelling data driven websites using dreamweaver cs5 5 video2brain is one of the world's leading producers of video training this innovative product uses interactive video to teach web developers how to use adobe dreamweaver cs5 5 to code websites that use databases to update pages with changing information the video begins with a description of the database driven website process including installation of the development environment then it explains how to pull data from a database and display it in a variety of ways using dreamweaver features and how to pass data between pages the video also covers building an administration interface to insert and update database data using web forms experienced instructor candyc e mairs presents three hours of exceptional quality video tutorials complete with lesson files assessment quizzes and review materials the video is wrapped in a unique interface that allows the viewer to jump to any topic and also bookmark individual sections for later review the unique watch and work mode shrinks the video into a small window to allow the student to work alongside in dreamweaver project files used in the lessons are included on the disc so viewers can practice what they've learned and interactive review questions help reinforce freshly gained knowledge the dvd rom is bundled with a printed booklet that provides supplemental material to enhance the video training summary the spark distributed data processing platform provides an easy to implement tool for ingesting streaming and processing data from any source in spark in action second edition you'll learn to take advantage of spark's core features and incredible processing speed with applications including real time computation delayed evaluation and machine learning spark skills are a hot commodity in enterprises worldwide and with spark's powerful and flexible java apis you can reap all the benefits without first learning scala or hadoop purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications about the technology analyzing enterprise data starts by reading filtering and merging files and streams from many sources the spark data processing engine handles this varied volume like a champ delivering speeds 100 times faster than hadoop systems thanks to sql support an intuitive interface and a straightforward multilanguage api you can use spark without learning a complex new ecosystem about the book spark in action second edition teaches you to create end to end analytics applications in this entirely new book you'll learn from interesting java based examples including a complete data pipeline for processing nasa satellite data and you'll discover java python and scala code samples hosted on github that you can explore and adapt plus appendixes that give you a cheat sheet for installing tools and understanding spark specific terms what's inside writing spark applications in java spark application architecture ingestion through file databases streaming and elasticsearch querying distributed datasets with spark sql about the reader this book does not assume previous experience with spark scala or hadoop about
the author jean georges perrin is an experienced data and software architect he is france s first ibm champion and has been honored for 12 consecutive years table of contents part 1 the theory crippled by awesome examples part 2 ingestion 7 ingestion from files 8 ingestion from databases 9 advanced ingestion finding data sources and building your own 10 ingestion through structured streaming part 3 transforming your data 11 working with sql 12 transforming your data 13 transforming entire documents 14 extending transformations with user defined functions 15 aggregating your data part 4 going further 16 cache and checkpoint enhancing spark s performances 17 exporting data and building full data pipelines 18 exploring deployment this volume is one of the most important works on ancient athens in the last fifty years the focus is on the early city from the end of the bronze age ca 1200 bce to the archaic period when athens became the largest city of the classical period only to be destroyed by the persians in 480 479 bce from a systematic study of all the excavation reports and surveys in central athens the author has synthesized a detailed diachronic overview of the city from the submycenaean period through the archaic it is a treasure trove of information for archaeologists who work in this period of great value as well are the detailed maps included which present features of ancient settlements and cemeteries the repositories of the human physical record over eighty additional large scale interactive maps are available online to complement the book data standen heute im mittelpunkt vieler herausforderungen im systemdesign dabei sind komplexe fragen wie skalierbarkeit konsistenz zuverlässigkeit effizienz und wartbarkeit zu klären darüber hinaus verfügen wir über eine überwältigende vielfalt an tools einschließlich relationaler datenbanken nosql datenspeicher stream und batchprocessing und message broker aber was verbirgt sich hinter diesen slachworten und was ist die richtige wahl für ihre anwendung in diesem praktischen und umfassenden leitfaden unterstützt sie der autor martin kleppmann bei der navigation durch dieses schwierige terrain indem er die vor und nachteile verschiedener technologien zur verarbeitung und speicherung von daten aufzeigt software verändert sich ständig die grundprinzipien bleiben aber gleich mit diesem buch lernen softwareentwickler und architekten wie sie die konzepte in der praxis umsetzen und wie sie daten in modernen anwendungen optimal nutzen können inspizieren sie die systeme die sie bereits verwenden und erfahren sie wie sie effektiver nutzen können treffen sie fundierte entscheidungen indem sie die stärken und schwächen verschiedener tools kennenlernen steuern sie die notwendigen kompromisse in bezug auf konsistenz skalierbarkeit fehltoleranz und komplexität machen sie sich vertraut mit dem stand der forschung zu verteilten systemen auf denen moderne datenbanken aufbauen werfen sie einen blick hinter die kulissen der wichtigsten onlinedienste und lernen sie von deren architekturen in the era of social connectedness people are becoming increasingly enthusiastic about interacting sharing and collaborating through online collaborative media however conducting sentiment analysis on these platforms can be challenging especially for business professionals who are using them to collect vital data sentiment analysis and knowledge discovery in contemporary business is an essential reference source that discusses applications of sentiment analysis as well as data mining machine learning algorithms and big data streams in business environments featuring research on topics such as knowledge retrieval and knowledge updating this book is ideally designed for business managers academicians business professionals researchers graduate level students and technology developers seeking current research on data collection and management to drive profit build next generation artificial intelligence systems with java key features implement ai techniques to build smart applications using deeplearning4j perform big data analytics to derive quality insights using spark mllib create self learning systems using neural networks nlp and reinforcement learning book description in this age of big data companies have larger amount of consumer data than ever before far more than what the current technologies can ever hope to keep up with however artificial intelligence closes the gap by moving past human limitations in order to analyze data with the help of artificial intelligence for big data you will learn to use machine learning algorithms such as k means svm rbf and regression to perform advanced data analysis you will understand the current status of machine and deep learning techniques to work on genetic and neuro fuzzy algorithms in addition you will explore how to develop artificial intelligence algorithms to learn from data why they are necessary and how they can help solve real world problems by the end of this book you ll have learned how to implement various artificial intelligence algorithms for your big data systems and integrate them into your product offerings such as reinforcement learning natural language processing image recognition genetic algorithms and fuzzy logic systems what you will learn manage artificial intelligence techniques for big data with java build smart systems to analyze data for enhanced customer experience learn to use artificial intelligence frameworks for big data understand complex problems with algorithms and neuro fuzzy systems design stratagems to leverage data using
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machine learning process apply deep learning techniques to prepare data for modeling construct models that learn from data using open source tools analyze big data problems using scalable machine learning algorithms who this book is for this book is for you if you are a data scientist big data professional or novice who has basic knowledge of big data and wish to get proficiency in artificial intelligence techniques for big data some competence in mathematics is an added advantage in the field of elementary linear algebra and calculus practical deep learning teaches total beginners how to build the datasets and models needed to train neural networks for your own dl projects if you've been curious about machine learning but didn't know where to start this is the book you've been waiting for focusing on the subfield of machine learning known as deep learning it explains core concepts and gives you the foundation you need to start building your own models rather than simply outlining recipes for using existing toolkits practical deep learning teaches you the why of deep learning and will inspire you to explore further all you need is basic familiarity with computer programming and high school math the book will cover the rest after an introduction to python you'll move through key topics like how to build a good training dataset work with the scikit learn and keras libraries and evaluate your models performance you'll also learn how to use classic machine learning models like k nearest neighbors random forests and support vector machines how neural networks work and how they're trained how to use convolutional neural networks how to develop a successful deep learning model from scratch you'll conduct experiments along the way building to a final case study that incorporates everything you've learned the perfect introduction to this dynamic ever expanding field practical deep learning will give you the skills and confidence to dive into your own machine learning projects bring dynamic server side web content and responsive web design together to build websites that work and display well on any resolution desktop or mobile with this practical book you'll learn how by combining the asp net mvc server side language the bootstrap front end framework and knockout js you'll learn how to build applications that render html create responsive views with bootstrap that render on a variety of modern devices you may never code with css again add knockout js to enhance responsive web design with snappy client side interactions driven by your server side web application summary you are going to need more than technical knowledge to succeed as a data scientist build a career in data science teaches you what school leaves out from how to land your first job to the lifecycle of a data science project and even how to become a manager purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications about the technology what are the keys to a data scientist's long term success blending your technical know how with the right soft skills turns out to be a central ingredient of a rewarding career about the book build a career in data science is your guide to landing your first data science job and developing into a valued senior employee by following clear and simple instructions you'll learn to craft an amazing resume and ace your interviews in this demanding rapidly changing field it can be challenging to keep projects on track adapt to company needs and manage tricky stakeholders you'll love the insights on how to handle expectations deal with failures and plan your career path in the stories from seasoned data scientists included in the book what's inside creating a portfolio of data science projects assessing and negotiating an offer leaving gracefully and moving up the ladder interviews with professional data scientists about the reader for readers who want to begin or advance a data science career about the author emily robinson is a data scientist at warby parker jacqueline nolis is a data science consultant and mentor table of contents part 1 getting started with data science 1 what is data science 2 data science companies 3 getting the skills 4 building a portfolio part 2 finding your data science job 5 the search identifying the right job for you 6 the application résumés and cover letters 7 the interview what to expect and how to handle it 8 the offer knowing what to accept part 3 settling into data science 9 the first months on the job 10 making an effective analysis 11 deploying a model into production 12 working with stakeholders part 4 growing in your data science role 13 when your data science project fails 14 joining the data science community 15 leaving your job gracefully 16 moving up the ladder an indispensable tool for the beginning stages of designing and planning a building project this new edition of a classic bestselling text provides in one concise volume the essential information needed to form the framework for the more detailed design and development of any building project organized largely by building type it covers planning criteria and considerations of function and siting and with over 6200 diagrams it
provides a mass of data on spatial requirements most of the featured illustrations are dimensioned and each building type includes plans sections site layouts and design details the book also includes an extensive bibliography and detailed set of metric imperial conversion tables architects data starts with the basics of designing for a new building project before moving on to covering everything an architect needs to know it also looks at the design styles and specifications for creating different types of structures such as those made for residential religious cultural sports medical and other types of occupation covers user requirements planning criteria basic dimensions and considerations of function and siting includes numerous examples and over 6200 illustrations and tables 5th english edition of the classic international reference for architects architects data is an excellent resource for architects building surveyors space planners and design and build contractors everywhere the data vault was invented by dan linstedt at the u s department of defense and the standard has been successfully applied to data warehousing projects at organizations of different sizes from small to large size corporations due to its simplified design which is adapted from nature the data vault 2.0 standard helps prevent typical data warehousing failures building a scalable data warehouse covers everything one needs to know to create a scalable data warehouse end to end including a presentation of the data vault modeling technique which provides the foundations to create a technical data warehouse layer the book discusses how to build the data warehouse incrementally using the agile data vault 2.0 methodology in addition readers will learn how to create the input layer the stage layer and the presentation layer data mart of the data vault 2.0 architecture including implementation best practices drawing upon years of practical experience and using numerous examples and an easy to understand framework dan linstedt and michael olschimke discuss how to load each layer using sql server integration services ssis including automation of the data vault loading processes important data warehouse technologies and practices data quality services dqs and master data services mds in the context of the data vault architecture provides a complete introduction to data warehousing applications and the business context so readers can get up and running fast explains theoretical concepts and provides hands on instruction on how to build and implement a data warehouse demystifies data vault modeling with beginning intermediate and advanced techniques discusses the advantages of the data vault approach over other techniques also including the latest updates to data vault 2.0 and multiple improvements to data vault 1.0 this textbook aims to guide instruct and inspire the next generation of innovation designers managers and leaders building upon an evidence based innovation development process it introduces explains and provides visual models and case examples of what business design is how it is applied across sectors and organizations and its impact on decision making and value creation students will read and analyze design led innovation business cases from across the globe discover multi disciplinary strategies from marketing to anthropology and practice applying a designer s toolkit to find frame and solve business problems in contemporary ways throughout the book students will break down the process of innovation and move from initiation to implementation engage in iterative feedback loops and develop concrete plans for personal and professional collaboration and workplace application for mba and senior undergraduate students this book offers a step by step and comprehensive reference guide to creative problem framing and solving inside and beyond the classroom it integrates marketing principles and management frameworks with anthropological and design methods reflecting the diverse and in demand skills vital to tomorrow s workforce for instructors this book offers a way to confidently engage learners in the realm of design practices and strategies relevant to business decision making the pedagogical framework along with a comprehensive suite of techniques and templates offers both novice and experienced teachers a step by step reference guide that facilitates skills development in creative problem framing and solving this is the eighth volume in the series advances in natural gas engineering focusing on gas injection into geological formations and other related topics very important areas of natural gas engineering this volume includes information for both upstream and downstream operations including chapters detailing the most cutting edge techniques in acid gas injection carbon capture chemical and thermodynamic models and much more written by some of the most well known and respected chemical and process engineers working with natural gas today the chapters in this important volume represent the most state of the art processes and operations being used in the field not available anywhere else this volume is a must have for any chemical engineer chemist or process engineer in the industry advances in natural gas engineering is an ongoing series of books meant to form the basis for the working library of any engineer working in natural gas today
Open Data and Energy Analytics

2020-06-25

Open data and policy implications coming from data aware planning entail collection and pre and postprocessing as operations of primary interest before these steps making data available to people and their decision makers is a crucial point referring to the relationship between data and energy. Public administrations, governments, and research bodies are promoting the construction of reliable and robust datasets to pursue policies coherent with the sustainable development goals as well as to allow citizens to make informed choices. Energy engineers and planners must provide the simplest and most robust tools to collect, process, and analyze data in order to offer solid data-based evidence for future projections in building district and regional systems. Planning this special issue aims at providing the state of the art on open energy data analytics, its availability in the different contexts, i.e., country peculiarities and its availability at different scales, i.e., building district and regional for data aware planning and policy making for all the aforementioned reasons. We encourage researchers to share their original works on the field of open data and energy analytics. Topics of primary interest include but are not limited to the following:

1. Open data and energy sustainability
2. Open data science and energy planning
3. Open science and open governance for sustainable development goals
4. Key performance indicators of data aware energy modelling, planning, and policy
5. Energy water and sustainability database for building district and regional systems
6. Best practices and case studies

Building a Web 2.0 Portal with ASP.NET 3.5

2007-12-21

Provides information on building an AJAX-based site using ASP.NET 3.5.

eWork and eBusiness in Architecture, Engineering and Construction

2004-08-15

Biannually since 1994, the European conference on product and process modelling in the building and construction industry has provided a review of research, given valuable future work outlooks, and provided a communication platform for future cooperative research and development at both European and global levels. This volume of special interest.

Creating Value with Big Data Analytics

2016-01-08

Our newly digital world is generating an almost unimaginable amount of data about all of us. Such a vast amount of data is useless without plans and strategies that are designed to cope with its size and complexity and which enable organizations to leverage the information to create value. This book is a refreshingly practical yet theoretically sound roadmap to leveraging big data and analytics. Creating value with big data analytics provides a nuanced view of big data development, arguing that big data in itself is not a revolution but an evolution of the increasing availability of data that has been observed in recent times. Building on the authors' extensive academic and practical knowledge, this book aims to provide managers and analysts with strategic directions and practical analytical solutions on how to create value from existing and new big data by tying data and analytics to specific goals and processes for implementation. This is a much-needed book that will be essential reading for students and specialists of data analytics, marketing research, and customer relationship management.
Skill-Building Science, Grades 5 - 6

2006-12-04

Hands on investigations give scientists in grades 5-6 the skills they need for success. Skill-building science includes lessons, activities, and writing exercises on physical science, earth science, and life science. Biographies of scientists with accompanying activities increase student awareness of scientist as an occupation. This 128-page book includes reproducibles that align with state, national, and Canadian provincial standards and supports national science education standards.

The Data Center Builder's Bible - Book 1: Defining Your Data Center Requirements

2018-03-15

every year more and more information technology teams are finding themselves needing to build a new data center and relocate their current environment to that new site. The massive challenge of building and migrating a data center to a new location requires a unique set of skills that are almost never available in a typical IT department. The stakes are huge - in the effort for a seamless, almost invisible migration, anything from a destroyed career to a failed business. The skills needed include understanding how to define your data center requirements, site selection, data center design and build, skills, and a solid understanding of data center critical infrastructure as well as application and data migration. Specialized project management skills and incredibly broad knowledge across technologies. This book is part of a five-book series called the Data Center Builder's Bible. The practical series will take you from the first moment you learn or decide that a new data center project is necessary all the way through the completion of relocating all the essential technology and applications to the new site and returning your old site to the landlord. It includes the lessons learned and landmines addressed from almost 30 years of building and relocating data centers. This book 1 of the series defines the requirements of your data center is a 200-page print version deep dive into two aspects of the overall project. By following the recommendations in this book you will be able to complete a set of data center requirements that will be well understood by any data center operator or builder and will get you the most favorable pricing you will be all set to enter the site selection phase covered in book 2 of this series. Data center basics for the newbies looking at this book we will spend some time at the very start talking about what a data center is and the different types of data centers you will come across also we will explore how your deployment will differ if the new site is a primary production site or a disaster recovery failover site. Defining the requirements before you can even start selecting a site for a new data center you need to have clarity about the requirements for your new site. Data center operators have specific ways of defining their facility and services and you need to map your requirements into the same measures as the data center industry uses to design their proposals. In this book you will learn what those measures are and how to present them to the potential vendors we will cover how to define the amount and types of space you will require, how much power you want it delivered and how you want the data center operator to bill you for your power consumption. We will talk through site locations, cooling, and security requirements availability and efficiency goals and the need for clarity regarding network and carrier provisioning. The five books that constitute this series are book 1 defining your data center requirements, book 2 site identification and selection, book 3 designing the new data center, book 4 building and relocating to the new data center, book 5 managing the new data center project. About the author: Art Carapola has been designing, building, and relocating data centers since 1991. Ranging from small server room environments to enterprise data centers consisting of hundreds of thousands of feet of equipment space his record of 100 successful on time and budget data center projects has made him a sought-after expert in the field. Art is president and CTO of Newvista Advisors LLC, a consulting firm specializing in data center trading floor and infrastructure design implementation and project management.
Construction Reports

1979

the thoroughly revised and updated fourth edition of the companion workbook to quantitative investment analysis is here now in its fourth edition the quantitative investment analysis workbook offers a range of practical information and exercises that will facilitate your mastery of quantitative methods and their application in today’s investment process part of the reputable CFA Institute Investment series the workbook is designed to further your hands on experience with a variety of learning outcomes summary overview sections and challenging problems and solutions the workbook provides all the statistical tools and latest information to help you become a confident and knowledgeable investor including expanded problems on machine learning algorithms and the role of big data in investment contexts well suited for motivated individuals who learn on their own as well as a general reference this companion resource delivers a clear example driven method for practicing the tools and techniques covered in the primary quantitative investment analysis 4th edition text inside you’ll find information and exercises to help you work real world problems associated with the modern quantitative investment process master visualizing and summarizing data review the fundamentals of single linear and multiple linear regression use multifactor models measure and manage market risk effectively in both the workbook and the primary quantitative investment analysis 4th edition text the authors go to great lengths to ensure an even treatment of subject matter consistency of mathematical notation and continuity of topic coverage that is critical to the learning process for everyone who requires a streamlined route to mastering quantitative methods in investments quantitative investment analysis workbook 4th edition offers world class practice based on actual scenarios faced by professionals every day

CONSTRUCTION REPORTS Housing Starts

1979

as the impact of data science continues to grow on society there is an increased need to discuss how data is appropriately used and how to address misuse yet ethical principles for working with data have been available for decades the real issue today is how to put those principles into action with this report authors mike loukides hilary mason and dj patil examine practical ways for making ethical data standards part of your work every day to help you consider all of possible ramifications of your work on data projects this report includes a sample checklist that you can adapt for your own procedures five framing guidelines the five c’s for building data products consent clarity consistency control and consequences suggestions for building ethics into your data driven culture now is the time to invest in a deliberate practice of data ethics for better products better teams and better outcomes get a copy of this report and learn what it takes to do good data science today

Quantitative Investment Analysis, Workbook

2020-09-07

learn data science with python by building five real world projects experiment with card game predictions tracking disease outbreaks and more as you build a flexible and intuitive understanding of data science in data science bookcamp you will learn techniques for computing and plotting probabilities statistical analysis using scipy how to organize datasets with clustering algorithms how to visualize complex multi variable datasets how to train a decision tree machine learning algorithm in data science bookcamp you’ll test and build your knowledge of python with the kind of open ended problems that professional data scientists work on every day downloadable data sets and thoroughly explained solutions help you lock in what you’ve learned building your confidence and making you ready for an exciting new data science career purchase of the print book includes a free ebook in pdf kindle and epub formats from Manning Publications about the technology a data science project has a lot of moving parts and it takes practice and skill to get all the code algorithms datasets formats and visualizations working together harmoniously this unique book guides you through five realistic projects including tracking disease outbreaks from news headlines analyzing social networks and finding relevant patterns in ad click data about the book data science
bookcamp doesn't stop with surface level theory and toy examples as you work through each project you'll learn how to troubleshoot common problems like missing data, messy data, and algorithms that don't quite fit the model you're building. You'll appreciate the detailed setup instructions and the fully explained solutions that highlight common failure points in the end. You'll be confident in your skills because you can see the results. What's inside: scraping, organizing datasets with clustering algorithms, visualizing complex multi-variable datasets, training decision tree machine learning algorithms. About the reader: for readers who know the basics of Python, no prior data science or machine learning skills required. About the author: Leonard Apeltsin is the head of data science at Anomaly, where his team applies advanced analytics to uncover healthcare fraud, waste, and abuse. Table of contents: case study 1 finding the winning strategy in a card game, computing probabilities using Python, plotting probabilities using matplotlib, running random simulations in Numpy, assessing online ad clicks for significance, basic probability and statistical analysis using Scipy, making predictions using the central limit theorem and Scipy, statistical hypothesis testing, analyzing tables using Pandas, solving case study 2. Case study 3: tracking disease outbreaks using news headlines, clustering data into groups, geographic location visualization and analysis, and more. Case study 4: using online job postings to improve your data science resume, measuring text similarities, dimension reduction of matrix data, NLP analysis of large text datasets, extracting text from web pages, running random simulations in Numpy, case study 1 solution, case study 2 solution, case study 3 solution, case study 4 solution. Case study 5: predicting future friendships from social network data, an introduction to graph theory and network analysis, dynamic graph theory techniques, and more. Case study 5 solution.

Ethics and Data Science

2018-07-25

oracle database programming with visual basic net discovers a detailed treatment of the practical considerations and applications of oracle database programming with visual basic 2019. The book introduces the oracle database development system, Oracle SQL Developer and Modeler, and teaches readers how to implement a sample database solution. The distinguished author also demonstrates the use of dotconnect for Oracle to show readers how to create an effective connection to an Oracle database. The current versions of the .NET framework, ASP.NET, and ASP.NET 4.7 are also explored and used to offer readers the most up-to-date web database programming techniques available today. The book provides practical example projects and detailed line-by-line descriptions throughout to assist readers in the development of their database programming skill. Students will also benefit from the inclusion of a thorough introduction to databases including definitions, examples, descriptions of keys, and relationships, and some database components in popular databases like Access SQL and Oracle. An exploration of ADO.NET including its architecture and components like the data reader class, dataset component, datatable component, and the command and parameter classes, a discussion of language integrated query LINQ including its architecture and components, its relationship to objects, dataset, Oracle, and entities, an explanation of how to access data in ASP.NET and ASP.NET services with multiple real project examples perfect for college and university students taking courses related to database programming and applications. Oracle database programming with visual basic.net will also earn a place in the libraries of programmers and software engineers seeking a comprehensive reference for database coding in visual basic.net.

Data Science Bookcamp

2021-12-07

master Java persistence using the industry leading tools Spring Data and Hibernate. Java persistence with Spring Data and Hibernate dives deep into persistence with the most popular available tools including Spring Data JPA, Spring Data JDBC, Spring Data REST, JPA, and Hibernate. Begin with a hands-on introduction to object-relational mapping (ORM).
then dive into mapping strategies for linking up objects and your database you’ll learn about the different approach to transactions for both hibernate and spring data and even how to deliver java persistence with non relational databases finally you’ll explore testing strategies for persistent applications to keep your code clean and bug free purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications

**Climatological Data, New England**

1957

this text reflects the interdisciplinary nature of gis research and includes coverage of such themes as virtual gis spatial analysis artificial intelligence spatial agents and fuzzy systems and space time gis and gis applications

**Oracle Database Programming with Visual Basic.NET**

2021-04-30

become efficient in both frontend and backend web development with spring and vue key features connect application’s frontend and backend with vue vuex and spring boot leverage the latest web standards to enhance code performance readability and cross compatibility build secure full stack web applications with spring security book description building applications with spring 5 and vue js 2 with its practical approach helps you become a full stack web developer as well as knowing how to write frontend and backend code a developer has to tackle all problems encountered in the application development life cycle starting from the simple idea of an application to the ui and technical designs and all the way to implementation testing production deployment and monitoring with the help of this book you’ll get to grips with spring 5 and vue js 2 as you learn how to develop a web application from the initial structuring to full deployment you’ll be guided at every step of developing a web application from scratch with vue js 2 and spring 5 you’ll learn how to create different components of your application as you progress through each chapter followed by exploring different tools in these frameworks to expedite your development cycle by the end of this book you’ll have gained a complete understanding of the key design patterns and best practices that underpin professional full stack web development what you will learn analyze requirements and design data models develop a single page application using vue js 2 and spring 5 practice concept logical and physical data modeling design implement secure and test restful api add test cases to improve reliability of an application monitor and deploy your application to production who this book is for building applications with spring 5 0 and vue js 2 0 is for you if you are a developer who is new to vue js or spring it is assumed that you have some knowledge of html css and java

**Building Automation and Control Systems**

2007

with the increased concern for energy conservation in recent years much attention has been focused on lighting energy consumption and methods for reducing it along with this concern for energy efficient lighting has come the realization that lighting has profound effects on worker productivity as well as important aesthetic qualities this book presents an introduction to lighting design and energy efficiency which can be utilized while maintaining the quality of illumination topics include lighting energy management selection of lamps task lighting lighting design lighting control reflectors ballast selection natural daylighting wireless lighting control and case studies

**Proceedings of the 5th International Conference on Decision Support System Technology - ICDSST 2019 & EURO Mini Conference 2019**

2019-05-27
critically acclaimed training includes interactive video and a printed guide to creating dynamic websites in adobe dreamweaver cs5.5. Highly focused workshop offers 3 hours of high quality video tutorials from an experienced instructor plus a 48 page full color printed guide. Build compelling data driven websites using Dreamweaver CS5.5. Video2Brain is one of the world's leading producers of video training. This innovative product uses interactive video to teach web developers how to use Adobe Dreamweaver CS5.5 to code websites that use databases to update pages with changing information. The video begins with a description of the database-driven website process including installation of the development environment. Then it explains how to pull data from a database and display it in a variety of ways using Dreamweaver features and how to pass data between pages. The video also covers building an administration interface to insert and update database data using web forms. Experienced instructor Candyce Mairs presents three hours of exceptional quality video tutorials complete with lesson files, assessment quizzes, and review materials. The video is wrapped in a unique interface that allows the viewer to jump to any topic and also bookmark individual sections for later review. The unique watch and work mode shrinks the video into a small window to allow the student to work alongside in Dreamweaver project files. Used in the lessons are included on the disc so viewers can practice what they've learned. Interactive review questions help reinforce freshly gained knowledge. The DVD ROM is bundled with a printed booklet that provides supplemental material to enhance the video training.

**Handbook of Business Problem Solving**

1980

Summary: The Spark distributed data processing platform provides an easy to implement tool for ingesting streaming and processing data from any source in Spark, in action. Second edition you'll learn to take advantage of Spark's core features and incredible processing speed with applications including real-time computation, delayed evaluation, and machine learning. Spark skills are a hot commodity in enterprises worldwide and with Spark's powerful and flexible Java APIs, you can reap all the benefits without first learning Scala or Hadoop. Purchase of the print book includes a free eBook in PDF, Kindle, and EPUB formats from Manning Publications about the technology analyzing enterprise data starts by reading filtering and merging files and streams from many sources. The Spark data processing engine handles this varied volume like a champ, delivering speeds 100 times faster than Hadoop systems! Thanks to SQL support, an intuitive interface, and a straightforward multilanguage API, you can use Spark without learning a complex new ecosystem. About the book: Spark in action, second edition teaches you to create end-to-end analytics applications. In this entirely new book, you'll learn from interesting Java-based examples including a complete data pipeline for processing NASA satellite data and you'll discover Java, Python, and Scala code samples hosted on GitHub that you can explore and adapt plus appendices that give you a cheat sheet for installing tools and understanding Spark specific terms. What's inside: Writing Spark applications in Java, Spark Application Architecture, Ingestion through Files, Databases, Streaming, and Elasticsearch, Querying Distributed Datasets with Spark SQL. About the reader: This book does not assume previous experience with Spark, Scala, or Hadoop. About the author: Jean Georges Perrin is an experienced data and software architect. He is France's first IBM champion and has been honored for 12 consecutive years. Table of contents: Part 1: The Theory, Crippled by Awesome Examples 1: So What is Spark Anyway? 2: Architecture and Flow 3: The Majestic Role of the Dataframe 4: Fundamentally Lazy 5: Building a Simple App for Deployment 6: Deploying your Simple App Part 2: Ingestion 7: Ingestion from Files 8: Ingestion from Databases 9: Advanced Ingestion Finding Data Sources and Building your Own 10: Ingestion through Structured Streaming Part 3: Transforming your Data 11: Working with SQL 12: Transforming your Data 13: Transforming Entire Documents 14: Extending Transformations with User-Defined Functions 15: Aggregating your Data Part 4: Going Further 16: Cache and Checkpoint Enhancing Spark's Performances 17: Exporting Data and Building Full Data Pipelines 18: Exploring Deployment.

**Java Persistence with Spring Data and Hibernate**

2023-02-28

This volume is one of the most important works on ancient Athens in the last fifty years. The focus is on the early city from the end of the Bronze Age ca 1200 BCE to the Archaic period when Athens became the largest city of the
classical period only to be destroyed by the persians in 480 479 bce from a systematic study of all the excavation reports and surveys in central athens the author has synthesized a detailed diachronic overview of the city from the submycenaean period through the archaic it is a treasure trove of information for archaeologists who work in this period of great value as well are the detailed maps included which present features of ancient settlements and cemeteries the repositories of the human physical record over eighty additional large scale interactive maps are available online to complement the book

**Innovations In GIS 5**

1998-03-30

daten stehen heute im mittelpunkt vieler herausforderungen im systemdesign dabei sind komplexe fragen wie skalierbarkeit konsistenz zuverlässigkeit effizienz und wartbarkeit zu klären darüber hinaus verfügen wir über eine überwältigende vielfalt an tools einschließlich relationaler datenbanken nosql datenspeicher stream und batchprocessing und message broker aber was verbirgt sich hinter diesen schlagworten und was ist die richtige wahl für ihre anwendung in diesem praktischen und umfassenden leitfaden unterstützt sie der autor martin kleppmann bei der navigation durch dieses schwierige terrain indem er die vor und nachteile verschiedener technologien zur verarbeitung und speicherung von daten aufzeigt software verändert sich ständig die grundprinzipien bleiben aber gleich mit diesem buch lernen softwareentwickler und architekten wie sie die konzepte in der praxis umsetzen und wie sie daten in modernen anwendungen optimal nutzen können inspizieren sie die systeme die sie bereits verwenden und erfahren sie wie sie effektiver nutzen können treffen sie fundierte entscheidungen indem sie die stärken und schwächen verschiedener tools kennenlernen steuern sie die notwenigen kompromisse in bezug auf konsistenz skalierbarkeit fehlertoleranz und komplexität machen sie sich vertraut mit dem stand der forschung zu verteilen systemen auf denen moderne datenbanken aufbauen werfen sie einen blick hinter die kulissen der wichtigsten onlinedienste und lernen sie von deren architekturen

**Illuminating Engineering**

1965-07

in the era of social connectedness people are becoming increasingly enthusiastic about interacting sharing and collaborating through online collaborative media however conducting sentiment analysis on these platforms can be challenging especially for business professionals who are using them to collect vital data sentiment analysis and knowledge discovery in contemporary business is an essential reference source that discusses applications of sentiment analysis as well as data mining machine learning algorithms and big data streams in business environments featuring research on topics such as knowledge retrieval and knowledge updating this book is ideally designed for business managers academicians business professionals researchers graduate level students and technology developers seeking current research on data collection and management to drive profit

**Building Applications with Spring 5 and Vue.js 2**

2018-10-26

build next generation artificial intelligence systems with java key features implement ai techniques to build smart applications using deeplearning4j perform big data analytics to derive quality insights using spark mllib create self learning systems using neural networks nlp and reinforcement learning learning book description in this age of big data companies have larger amount of consumer data than ever before far more than what the current technologies can ever hope to keep up with however artificial intelligence closes the gap by moving past human limitations in order to analyze data with the help of artificial intelligence for big data you will learn to use machine learning algorithms such as k means svm rbf and regression to perform advanced data analysis you will understand the current status of machine and deep learning techniques to work on genetic and neuro fuzzy algorithms in addition you will explore how to develop artificial intelligence algorithms to learn from data why they are necessary and how they can help
solve real world problems by the end of this book you'll have learned how to implement various artificial intelligence algorithms for your big data systems and integrate them into your product offerings such as reinforcement learning natural language processing image recognition genetic algorithms and fuzzy logic systems what you will learn manage artificial intelligence techniques for big data with java build smart systems to analyze data for enhanced customer experience learn to use artificial intelligence frameworks for big data understand complex problems with algorithms and neuro fuzzy systems design stratagems to leverage data using machine learning process apply deep learning techniques to prepare data for modeling construct models that learn from data using open source tools analyze big data problems using scalable machine learning algorithms who this book is for this book is for you if you are a data scientist big data professional or novice who has basic knowledge of big data and wish to get proficiency in artificial intelligence techniques for big data some competence in mathematics is an added advantage in the field of elementary linear algebra and calculus

**Efficient Lighting Applications and Case Studies**

2020-12-18

practical deep learning teaches total beginners how to build the datasets and models needed to train neural networks for your own dl projects if you've been curious about machine learning but didn't know where to start this is the book you've been waiting for focusing on the subfield of machine learning known as deep learning it explains core concepts and gives you the foundation you need to start building your own models rather than simply outlining recipes for using existing toolkits practical deep learning teaches you the why of deep learning and will inspire you to explore further all you need is basic familiarity with computer programming and high school math the book will cover the rest after an introduction to python you'll move through key topics like how to build a good training dataset work with the scikit learn and keras libraries and evaluate your models performance you'll also learn how to use classic machine learning models like k nearest neighbors random forests and support vector machines how neural networks work and how they're trained how to use convolutional neural networks how to develop a successful deep learning model from scratch you'll conduct experiments along the way building to a final case study that incorporates everything you've learned the perfect introduction to this dynamic ever expanding field practical deep learning will give you the skills and confidence to dive into your own machine learning projects

**Building a Data-Driven Website with Adobe Dreamweaver CS5. 5**

2011-06

bring dynamic server side web content and responsive web design together to build websites that work and display well on any resolution desktop or mobile with this practical book you'll learn how by combining the asp net mvc server side language the bootstrap front end framework and knockout js the javascript implementation of the model view viewmodel pattern author jamie munro introduces these and other related technologies by having you work with sophisticated web forms at the end of the book experienced and aspiring web developers alike will learn how to build a complete shopping cart that demonstrates how these technologies interact with each other in a sleek dynamic and responsive web application build well organized easy to maintain web applications by letting asp net mvc 5 bootstrap and knockout js do the heavy lifting use asp net mvc 5 to build server side web applications interact with a database and dynamically render html create responsive views with bootstrap that render on a variety of modern devices you may never code with css again add knockout js to enhance responsive web design with snappy client side interactions driven by your server side web application

**Spark in Action, Second Edition**

2020-06-02

summary you are going to need more than technical knowledge to succeed as a data scientist build a career in data science teaches you what school leaves out from how to land your first job to the lifecycle of a data science project
and even how to become a manager purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications about the technology what are the keys to a data scientist s long term success blending your technical know how with the right soft skills turns out to be a central ingredient of a rewarding career about the book building a career in data science is your guide to landing your first data science job and developing into a valued senior employee by following clear and simple instructions you ll learn to craft an amazing resume and ace your interviews in this demanding rapidly changing field it can be challenging to keep projects on track adapt to company needs and manage tricky stakeholders you ll love the insights on how to handle expectations deal with failures and plan your career path in the stories from seasoned data scientists included in the book what s inside creating a portfolio of data science projects assessing and negotiating an offer leaving gracefully and moving up the ladder interviews with professional data scientists about the reader for readers who want to begin or advance a data science career about the author emily robinson is a data scientist at warby parker jacqueline nolis is a data science consultant and mentor table of contents part 1 getting started with data science 1 what is data science 2 data science companies 3 getting the skills 4 building a portfolio part 2 finding your data science job 5 the search identifying the right job for you 6 the application résumés and cover letters 7 the interview what to expect and how to handle it 8 the offer knowing what to accept part 3 settling into data science 9 the first months on the job 10 making an effective analysis 11 deploying a model into production 12 working with stakeholders part 4 growing in your data science role 13 when your data science project fails 14 joining the data science community 15 leaving your job gracefully 16 moving up the ladder

Early Athens

2019-03-31

an indispensable tool for the beginning stages of designing and planning a building project this new edition of a classic bestselling text provides in one concise volume the essential information needed to form the framework for the more detailed design and development of any building project organized largely by building type it covers planning criteria and considerations of function and siting and with over 6200 diagrams it provides a mass of data on spatial requirements most of the featured illustrations are dimensioned and each building type includes plans sections site layouts and design details the book also includes an extensive bibliography and detailed set of metric imperial conversion tables architects data starts with the basics of designing for a new building project before moving on to covering everything an architect needs to know it also looks at the design styles and specifications for creating different types of structures such as those made for residential religious cultural sports medical and other types of occupation covers user requirements planning criteria basic dimensions and considerations of function and siting includes numerous examples and over 6200 illustrations and tables 5th english edition of the classic international reference for architects architects data is an excellent resource for architects building surveyors space planners and design and build contractors everywhere

Datenintensive Anwendungen designen

2018-11-26

the data vault was invented by dan linstedt at the u s department of defense and the standard has been successfully applied to data warehousing projects at organizations of different sizes from small to large size corporations due to its simplified design which is adapted from nature the data vault 2 0 standard helps prevent typical data warehousing failures building a scalable data warehouse covers everything one needs to know to create a scalable data warehouse end to end including a presentation of the data vault modeling technique which provides the foundations to create a technical data warehouse layer the book discusses how to build the data warehouse incrementally using the agile data vault 2 0 methodology in addition readers will learn how to create the input layer the stage layer and the presentation layer data mart of the data vault 2 0 architecture including implementation best practices drawing upon years of practical experience and using numerous examples and an easy to understand framework dan linstedt and michael olschimke discuss how to load each layer using sql server integration services ssis including automation of the data vault loading processes important data warehouse
technologies and practices data quality services dqs and master data services mds in the context of the data vault architecture provides a complete introduction to data warehousing applications and the business context so readers can get up and running fast explains theoretical concepts and provides hands on instruction on how to build and implement a data warehouse demystifies data vault modeling with beginning intermediate and advanced techniques discusses the advantages of the data vault approach over other techniques also including the latest updates to data vault 2.0 and multiple improvements to data vault 1.0

**Sentiment Analysis and Knowledge Discovery in Contemporary Business**

2018-08-31

this textbook aims to guide instruct and inspire the next generation of innovation designers managers and leaders building upon an evidence based innovation development process it introduces explains and provides visual models and case examples of what business design is how it is applied across sectors and organizations and its impact on decision making and value creation students will read and analyze design led innovation business cases from across the globe discover multi disciplinary strategies from marketing to anthropology and practice applying a designer’s toolkit to find frame and solve business problems in contemporary ways throughout the book students will break down the process of innovation and move from initiation to implementation engage in iterative feedback loops and develop concrete plans for personal and professional collaboration and workplace application for mba and senior undergraduate students this book offers a step by step and comprehensive reference guide to creative problem framing and solving inside and beyond the classroom it integrates marketing principles and management frameworks with anthropological and design methods reflecting the diverse and in demand skills vital to tomorrow’s workforce for instructors this book offers a way to confidently engage learners in the realm of design practices and strategies relevant to business decision making the pedagogical framework along with a comprehensive suite of techniques and templates offers both novice and experienced teachers a step by step reference guide that facilitates skills development in creative problem framing and solving

**Collected Papers on Earth Sciences**

1969

this is the eighth volume in the series advances in natural gas engineering focusing on gas injection into geological formations and other related topics very important areas of natural gas engineering this volume includes information for both upstream and downstream operations including chapters detailing the most cutting edge techniques in acid gas injection carbon capture chemical and thermodynamic models and much more written by some of the most well known and respected chemical and process engineers working with natural gas today the chapters in this important volume represent the most state of the art processes and operations being used in the field not available anywhere else this volume is a must have for any chemical engineer chemist or process engineer in the industry advances in natural gas engineering is an ongoing series of books meant to form the basis for the working library of any engineer working in natural gas today

**Artificial Intelligence for Big Data**

2018-05-22

**Practical Deep Learning**

2021-02-23
Building Industry Technology
1990

ASP.NET MVC 5 with Bootstrap and Knockout.js
2015-05-18

Build a Career in Data Science
2020-03-24

Architects' Data
2019-08-05

AIAA Space Programs and Technologies Conference
1994

Building a Scalable Data Warehouse with Data Vault 2.0
2015-09-15

Building automation and control systems - Part 5: Data communication protocol
2008

Business Design Thinking and Doing
2022-01-24

Building Permit Survey, 1929 to 1935
2020-03-31

Gas Injection into Geological Formations and Related Topics
1954
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