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KEY=SOLUTIONS - ABBEY JAYLEEN

CASE STUDY SOLUTIONS - HUMAN RESOURCE DEVELOPMENT

Macmillan *The book provides conceptual inputs and offers several case studies covering the entire gamut of the study of Human Resource Development (HRD) catering to the requirement of managers and students of business schools. A serious attempt has been made to cov*

CASE STUDY SOLUTIONS - FINANCIAL MANAGEMENT

Macmillan *This book blends classroom training with actual practice. It provides case studies for the students of Management, Commerce, Chartered Accountancy, and Cost and Work Accountancy. It contains case studies pertaining to Indian conditions and their suggeste*

CASE STUDY SOLUTIONS MARKETING

The book provides a technique for solving case studies and offers several case studies set in Indian environment covering the entire gamut of courses in Marketing Management. This revised edition is a part of a series on case study solutions. Besides st

MARKETING : 10 CASE STUDIES

CASE STUDIES WITH SOLUTIONS

Renault, Samsung, Lacoste *This book provides opportunities to discover a selection of issues recently faced by 10 major French companies. Each case offers in a clear and structured manner: a case presentation sheet including the problem statement, learning objectives, as well as the main themes and marketing tools used throughout the case; a narrative reviewing important information about the company and its environment, leading to the problem to be investigated; a series of questions guiding the draft of a structured solution; a detailed solution outlining the main strategic recommendations. Based on real issues and written in collaboration with the companies, the 10 fi eld-based case studies allow applying marketing principles, theories and models: segmentation, positioning, marketing plan, as well as designing strategies at the product, price, place and promotion levels. Learning by doing, applied to marketing!"*

MANAGING 'BELT AND ROAD' BUSINESS DISPUTES

A CASE STUDY OF LEGAL PROBLEMS AND SOLUTIONS

Kluwer Law International B.V. *This book is a follow-up to the comprehensive Managing Business Disputes in Today's China: Duelling with Dragons (2007) guide on foreign direct investment disputes that can arise in the course of initiating and operating a Chinese joint venture. Since its inauguration by the Chinese government in 2013, the 'Belt and Road Initiative' (BRI) has included projects in more than 70 countries spanning diverse economic and legal environments. The nature of the BRI coupled with the economic downturn as a result of the COVID-19 pandemic will inevitably generate more challenges than ever. Like its predecessor, this book poses a hypothetical scenario in order to explore the potential issues that may arise from Chinese-foreign business relationships in the BRI context. After setting the scene with the 'Afrina Government's' ill-fated infrastructure project involving Chinese and foreign parties, subsequent chapters provide comprehensive insight on and highlight the following issues that one must consider when dealing with BRI disputes: dispute settlement options; informal dispute settlement approaches; disputes involving Chinese State-Owned Enterprises; construction and project finance disputes; corruption and bribery; sanctions; environmental issues. This book will provide extensive guidance from seasoned practitioners on the legal and practical issues of disputes that arise from engaging with Chinese companies doing business outside China in the context of BRI projects.*

SOLUTIONS TO CASE STUDIES FOR GRADUATE STUDENTS

Page Publishing Inc *Graduate students, college libraries, and organizations or management teams will benefit tremendously when they acquire and use the solutions to the case studies in this book. Case studies are the well-established and proven techniques that guide students or management teams to adopt prudent concepts theoretically in real-world situations. These studies can help to address an organization's dilemma depending upon the expectations of the stakeholders and the investors. In this edition, this book gives readers access to exemplary solutions to case studies drawn from a wide variety of cases in both academic and applied fields. By studying these examples, students can actively develop their skills in problem-solving using analytical tools to make decisions in complex situations. The reader can cope with ambiguities and learn how to apply optimal solutions in similar situations. It is a must read for anyone intending to tackle managerial case studies.*

SUICIDE--EMINAQ

ETHNIC CASE STUDY, THEORIES, APPLICATION AND SOLUTIONS : SOCIOECONOMIC AND ENVIRONMENTAL EFFECTS ON PUBLIC BEHAVIOR : THE CASE OF INUIT SUICIDE

AuthorHouse *This book discussed the causes of suicide and provides recommendations on how to reduce suicide. It provides suicide solutions that have eluded health and public policy experts for decades. It is a practical book that provides practical solutions to convoluted public problem of suicide. It is a good book for public policy experts, public sector administrators, scholars of management studies, politicians who want to create and add values, sociologists, law enforcement officials, health officials, public policy advocates, and various other decision makers. It is also a good book for social science scholars and researchers.*

SOLUTIONS TO FOUR HARVARD BUSINESS REVIEW (HBR) CASE STUDIES

BOISE AUTOMATION CANADA LTD. - ENSR INTERNATIONAL - MEDICAL EQUIPMENT INC. IN SAUDI ARABIA - HEIDI ROIZEN

DESIGNING FOR CISCO INTERNETWORK SOLUTIONS (DESGN) (AUTHORIZED CCDA SELF-STUDY GUIDE) (EXAM 640-863)

Pearson Education Authorized Self-Study Guide *Designing for Cisco Internetwork Solutions (DESGN) Second Edition Foundation learning for CCDA exam 640-863 Designing for Cisco Internetwork Solutions (DESGN), Second Edition, is a Cisco®-authorized, self-paced learning tool for CCDA® foundation learning. This book provides you with the knowledge needed to design enterprise networks. By reading this book, you will gain a thorough understanding of designing routed and switched network infrastructures and services within a modular architecture. In Designing for Cisco Internetwork Solutions (DESGN), Second Edition, you will study a broad range of network design principles and guidelines. You will learn about network design in the context of the Cisco Service-Oriented Network Architecture (SONA) framework and the Cisco Enterprise Architecture. Specific topics include campus and data center infrastructure, remote connectivity, IP addressing design, routing protocol selection, voice network design, wireless network design, and including security in your designs. An ongoing case study plus chapter-ending review questions illustrate and help solidify the concepts presented in the book. Whether you are preparing for CCDA certification or simply want to gain a better understanding of network design principles, you will benefit from the foundation information presented in this book. Designing for Cisco Internetwork Solutions (DESGN), Second Edition, is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit www.cisco.com/go/authorizedtraining. Diane Teare is a professional in the networking, training, and e-learning fields. She has more than 20 years of experience in designing, implementing, and troubleshooting network hardware and software and has also been involved in teaching, course design, and project management. She has extensive knowledge of network design and routing technologies and is an instructor with one of the largest authorized Cisco Learning Partners. Understand the Cisco vision of intelligent networks and the SONA framework Learn how to structure and modularize network designs within the Cisco Enterprise Architecture Design basic campus and data center networks Build designs for remote connectivity with WAN technologies Create IPv4 addressing schemes Understand IPv6 design Select the appropriate routing protocol for various modules in the Cisco Enterprise Architecture Design basic VoIP and IP telephony networks Understand wireless design principles Build security into your network designs This volume is in the Certification Self-Study Series offered by Cisco Press®. Books in this series provide officially developed self-study solutions to help networking professionals understand technology implementations and prepare for the Cisco Career Certifications examinations. Category: Cisco Press—Network Design Covers: CCDA Exam 640-863*

ENTERPRISE RISK MANAGEMENT SOLUTIONS

A CASE STUDY

In recent years, financial risk management has received increasing attention from managers in both private and public enterprises, regulatory agencies, and elected officials. The purpose of this research is to prepare a case study of a firm that seeks to provide a risk management solution for organizations. The case study resulted in a business plan, which was strategic in scope with a significant portion of the analysis concentrating on the firm's competitive positioning within the industry and an assessment of the direction the firm should move to achieve future success. This case study provides the sponsoring firm's management team with a comprehensive, realistic, and unbiased strategic analysis with several unique recommended courses of action for its future operating, management and financial decisions.

DIABETES CASE STUDIES

REAL PROBLEMS, PRACTICAL SOLUTIONS

American Diabetes Association The "case study" approach is one of the most used and most effective formats to present medical information and is the foundation for developing evidence-based treatment protocols. Compiled and edited by one of the world's best known clinical endocrinologists, Boris Draznin, MD, PhD, *Diabetes Case Studies* offers more than 100 actual cases from leading diabetologists, outlining both typical and unusual diabetes cases. Each study will illustrate real life dilemmas with a discussion as to how the diagnostic and therapeutic approaches were selected and implemented, through a thorough, yet succinct, presentation of the problems, the diagnoses, treatment protocols, and results. Readers will have practical information to use when treating their diabetic patients.

MANAGEMENT ACCOUNTING CASE STUDY

NOV 2002 EXAM QUESTIONS AND ANSWERS

CIMA Publishing Examiners, lecturers and students know that practice is vital to exam success, so why not test your knowledge with these useful books? CIMA Q&A series *Management Accounting: Case Study Final Level (FLCS)* question papers and suggested answers from November 2002 Will provide a helpful guide to both students and lecturers in preparing for examinations Allows students to practice answering exam questions plus gives invaluable help in exam technique

THE ERGONOMIC CASEBOOK

REAL WORLD SOLUTIONS

CRC Press One of the greatest challenges in the occupational health and safety profession is the application of theory to actual workplace practice. The difference between how the workplace should be ideally designed and the limitations that occur in pre-existing facilities are often difficult to overcome. With examples from the service industry, heavy industry, agriculture, and the office, this text bridges these gaps between theory and practice by using case studies to illustrate sound ergonomic practices. The *Ergonomic Casebook* is a resource that professionals and students can use as a guide for solutions to real-world ergonomic problems. Working examples from ergonomic programs in a variety of industries are included. Case studies describe methods for identifying ergonomic problems, and specific causes are reported. Recommended strategies for the elimination of identified stressors are indicated. Implemented strategies and evaluated results are discussed and explained. Applications of this book are endless. Whether you are a health and safety professional with limited expertise in ergonomics or a student taking a health and safety course, you will gain extensive insight into ergonomic problem solving as a result of the case studies presented in *The Ergonomic Casebook*.

CLASSROOM ENCOUNTERS

PROBLEMS, CASE STUDIES, SOLUTIONS

National Education Assn This book deals with the crises and emergencies that a teacher may have to deal with in the classroom, as well as problems in interpersonal relationships with students, interns, parent and peers. Each chapter deals with different facets of problems that may arise in the classroom, illustrated by case studies that typify the situation under discussion. For each case study, questions about the solution portrayed and several other possible ways of dealing with the problem or crises are presented, followed by a statement summarizing good teaching practice. (JD)

INFORMATION DESIGN WORKBOOK

GRAPHIC APPROACHES, SOLUTIONS, AND INSPIRATION + 30 CASE STUDIES

Rockport Publishers Currently there is nothing as comprehensive about this topic available. This new volume takes a methodical yet comprehensive approach to conveying the fundamentals of avant-garde, innovative, information design by examining history, theory, criticism, technology and media, process, method, and practice. Opening with a very brief history followed by an instructive breakdown of the discipline, readers will get an intimate understanding of the complexities of crafting information design to effectively improve communication both functionally and aesthetically. The back half of the book contains a wide range of case studies from design firms around the world so designers can see the techniques previously outlined in the first half of the book. The author critiques and explains why the design is successful in terms of formal quality (Aesthetics) and function (How does it improve communication?).

SUSTAINABLE AND SMART SPATIAL PLANNING IN AFRICA

CRC Press This book clarifies the smart city concept that is gaining application in Sub-Saharan Africa. It shows how the smart concept can be used to address problems that would be difficult and more expensive to solve using traditional techniques such as employment creation. This is done through elaboration of the African interpretation of smartness, using tools for smart solid waste management, e-governance, smart energy, and smart infrastructure. The case studies selected, and each chapter explain a different dimension of the smart city concept and offer innovative solutions to problems of rapid urbanization. It lays the theoretical foundation for further research on smart cities and rural areas in Africa.

CORROSION FAILURES

THEORY, CASE STUDIES, AND SOLUTIONS

John Wiley & Sons Provides corrosion basics in a lucid manner to students and working professionals and over 80 corrosion-failure analysis case studies Correlates Failure Analysis with Corrosion Science Exclusively provides corrosion-related failure analysis case histories in one place in a convenient format One-stop shop for both science and real time occurrence of the phenomenon of corrosion Full coverage of all MOC, Materials of Construction, used for process equipments Simple but Lucid presentation of Failure Analysis procedure

DESIGNING PASCAL SOLUTIONS

CASE STUDIES USING DATA STRUCTURES

W H Freeman & Company This text applies a case-study approach to a set of complex problems using Pascal data structures. These problems elucidate a broad range of topics for students, including stacks, queues, linked lists, hash tables and trees, as well as advanced concepts such as data abstraction and prototyping.

CORE BANKING SOLUTION

EVALUATION OF SECURITY AND CONTROLS

PHI Learning Pvt. Ltd. This compact and concise study provides a clear insight into the concepts of Core Banking Solution (CBS)—a set of software components that offer today's banking market a robust operational customer database and customer administration. It attempts to make core banking solution familiar to the professionals and regulatory authorities, who are responsible for the control and security of banks, and shows that by using CBS, banking services can be made more customer friendly. This well-organized text, divided into two parts and five sections, begins (Part I) with the need for core banking solution technology in banking system, its implementation and practice. It then goes on to a detailed discussion on various technology implications of ATM, Internet banking, cash management system and so on. Part I concludes with Business Continuity Planning (BCP) and Disaster Recovery Planning (DCP). Part II focuses on components of audit approach of a bank where the core banking solution has been in operation. Besides, usage of audit tools and study of audit logs have been discussed. The Second Edition includes new sections on outsourcing of ATM operations, printing of ATM card, printing of Pin Mailers, mobile banking, Point of Sale (POS), financial inclusion, vulnerability assessment, penetration testing and so on. Besides, many topics have been discussed extensively and updated to make the book more comprehensive and complete. Key Features • Suggested checklists for performing audits are included. • An exclusive chapter is devoted to Case Studies based on fraudulent activities in banks due to lack of security and controls. • Useful Web references have been provided. • Contains relevant standards of international body ISACA, USA. This book would be useful for Chartered Accountants who are Auditors of various banks. It would help the External System Auditors and the Auditors who perform concurrent system audit of banks and also the Officers of the Department of Banking Supervision of the Reserve Bank of India and others who have the responsibilities of regulating the security and controls in the banks. In addition, it would be extremely useful to the bankers who have Information Technology as one of the subjects for the CAIIB examination.

THE TURF PROBLEM SOLVER

CASE STUDIES AND SOLUTIONS FOR ENVIRONMENTAL, CULTURAL AND PEST PROBLEMS

John Wiley & Sons Incorporated Written by two leading experts, this practical tool offers detailed advice on defining, analyzing, and solving today's most common turf problems. Presented in a distinguished case-based approach, it features solutions for environmental, cultural, and pest and pesticide turf problems; coverage of human resources issues; and accessible methods for evaluation, analysis, and synthesis.

PRACTICE MANAGEMENT (PCM) ARE 5.0 MOCK EXAM (ARCHITECT REGISTRATION EXAMINATION)

ARE 5.0 OVERVIEW, EXAM PREP TIPS, HOT SPOTS, CASE STUDIES, DRAG-AND-PLACE, SOLUTIONS AND EXPLANATIONS

ArchiteG, Inc. A Practical Guide & Mock Exam for the ARE 5.0 Practice Management (PcM) Division! To become a licensed architect, you need to have a proper combination of education and/or experience, meet your Board of Architecture's special requirements, and pass the ARE exams. This book provides an ARE 5.0 exam overview, suggested reference and resource links, exam prep and exam taking techniques, tips and guides, and a realistic and complete mock exam with solutions and explanations for the ARE 5.0 Practice Management (PcM) Division. More specifically this book covers the following subjects: · ARE 5.0, AXP, and education requirements · ARE 5.0 exam content, format, and prep strategies · ARE 5.0 credit model and the easiest way to pass ARE exams by taking only 5 ARE divisions · Allocation of your time and scheduling · Timing of review: the 3016 rule; memorization methods, tips, suggestions, and mnemonics · Business Operations · Project Work Planning · Finances, Risk, &

Development of Practice · Practice-Wide Delivery of Services · Practice Methodologies This book includes eighty challenging questions of the same difficulty level and format as the real exam (multiple-choice, check-all-that-apply, fill-in-the-blank, hot spots, and drag-and-place), including two case studies. It will help you pass the PcM division of the ARE 5.0 and become a licensed architect! Can you study and pass the ARE 5.0 Practice Management (PcM) exam in 2 weeks? The answer is yes: If you study the right materials, you can pass with 2 weeks of prep. If you study our book, "Practice Management (PcM) ARE 5.0 Mock Exam (Architect Registration Examination)," you have an excellent chance of studying and passing the ARE 5.0 Practice Management (PcM) division in 2 weeks. We have added many tips and tricks that WILL help you pass the exam on your first try. Our goal is to take a very complicated subject and make it simple. "Practice Management (PcM) ARE 5.0 Mock Exam (Architect Registration Examination)" will save you time and money and help you pass the exam on the first try! ArchiteG®, Green Associate Exam Guide®, GA Study®, and GreenExamEducation® are registered trademarks owned by Gang Chen. ARE®, Architect Registration Examination® are registered trademarks owned by NCARB.

DIABETES CASE STUDIES

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CASE STUDY IN RETAIL

CHALLENGES, SOLUTIONS & OUTCOMES

THE CASE STUDY HANDBOOK

HOW TO READ, DISCUSS, AND WRITE PERSUASIVELY ABOUT CASES

Harvard Business Review Press If you've enrolled in an executive education or MBA program, you've probably encountered a powerful learning tool: the business case. This text presents a potent approach for analysing, discussing, and writing about cases.

FINANCIAL PLANNING FUNDAMENTALS

CCH Canadian Limited

CASE STUDY SOLUTIONS MATERIALS MANAGEMENT

This book provides conceptual inputs and case studies for Materials Management, while focussing on the Indian situation. This book would be useful to students of MBA/PGDM and practising managers as a number of case studies have been drawn from question p

THE THERMODYNAMICS OF NARROW PHASE WIDTH SOLID SOLUTIONS

DOLOMITE, A CASE STUDY

WATER SOLUTIONS

A CASE STUDY OF SHELTER ISLAND, NEW YORK

UNDERSTANDING COMPLEX INFORMATION TECHNOLOGY SOLUTIONS

A CASE STUDY ON MOODLE

This book attempts the challenging task of unravelling the complexities of today's web-based information technology solutions. To achieve this goal, the book provides a guided tour of one specific system, the Moodle learning management system. Using Moodle as the case study, key concepts of computer programming, data storage and databases, web technologies and networking are introduced, emphasising how these technologies work together to achieve the overall solution. The book also introduces the people and organisational contexts around a system like Moodle. It showcases the interrelationships between technologies and people in their varied roles as users, decision makers, developers or system maintainers. The book is directed at readers who are confident in using information technologies (such as browsing the Web) yet have limited understanding of how computers and information technology systems work. It uses informal language to explain complex contexts, supported by sketches and analogies. The book is not a Moodle book in the typical sense. It does not provide a user guide to Moodle, nor does it explain how to teach using Moodle. The book is aimed at readers with interest in understanding information technology solutions. Those readers will gain understanding of key technologies and concepts, transferable to many other systems. Readers with a strong interest in Moodle will gain a solid understanding of how Moodle works, preparing them for tasks that bridge the interface between users, organisations and developers. The author, Eva Heinrich, holds a masters degree in computer science, a PhD in information systems and a doctorate in education. She teaches computer science and information technology at Massey University, New Zealand, and conducts research into learning technologies and higher education.

ALTERNATE SOLUTIONS TO WATER RESOURCE DEVELOPMENT

A CASE STUDY

CASE STUDY ANALYSIS OF U.S. POLICY SOLUTIONS TO ENABLE CHINA NEW ENERGY CITIES

This report summarizes various policies for encouraging investment and installation of renewable energy across the country. In particular, we attempt to explain the benefits of, and considerations behind, each policy type and provide examples of implementation across the United States. While recognized as important, this report does not address policies or examples of successful energy efficiency or alternative-fuel vehicle strategies. In addition, we summarize the renewable energy policy strategies undertaken by three areas of the United States: New Jersey, Hawaii, and San Francisco.

FOODSERVICE LEARNING SOLUTIONS CASE STUDY TOOLKIT

"Build upon your basic management skills and techniques with our foodservice management case studies. Heighten your return on investment and start conducting more effective meetings that will enhance your bottom-line results. The Foodservice Management Case Study Toolkit Series CD-ROM contains: City Centre Plaza Hotel; Greenhill Country Club; Restaurant à la Mode"--Provided by publisher.

PRODUCT LIFECYCLE MANAGEMENT (VOLUME 4): THE CASE STUDIES

Springer This book presents some twenty case studies, showing how companies in different industry sectors and of different sizes make advances in Product Lifecycle Management (PLM). Like the author's previous volumes, this book provides a valuable resource for those wishing to learn about PLM and how to implement and apply it in their companies. Helping readers to · learn about implementing and benefiting from PLM; · learn about good PLM solutions and best practice; · improve their planning and decision-making abilities; · benefit from the lessons learned by the companies featured in the case studies; · proceed faster and further with PLM the book presents effective PLM solutions and best practices. At the same time, the case studies included demonstrate how different companies implement and benefit from PLM. Each case study is addressed in a separate chapter and details a different situation, enabling readers to put themselves in the situation and think through different actions and decisions. A valuable resource for PLM team managers and employees in engineering and manufacturing companies, the book is also of interest to researchers and students in industrial engineering fields.

DATA MANAGEMENT SOLUTIONS USING SAS HASH TABLE OPERATIONS

A BUSINESS INTELLIGENCE CASE STUDY

SAS Institute Hash tables can do a lot more than you might think! *Data Management Solutions Using SAS Hash Table Operations: A Business Intelligence Case Study* concentrates on solving your challenging data management and analysis problems via the power of the SAS hash object, whose environment and tools make it possible to create complete dynamic solutions. To this end, this book provides an in-depth overview of the hash table as an in-memory database with the CRUD (Create, Retrieve, Update, Delete) cycle rendered by the hash object tools. By using this concept and focusing on real-world problems exemplified by sports data sets and statistics, this book seeks to help you take advantage of the hash object productively, in particular, but not limited to, the following tasks: select proper hash tools to perform hash table operations use proper hash table operations to support specific data management tasks use the dynamic, run-time nature of hash object programming understand the algorithmic principles behind hash table data look-up, retrieval, and aggregation learn how to perform data aggregation, for which the hash object is exceptionally well suited manage the hash table memory footprint, especially when processing big data use hash object techniques for other data processing tasks, such as filtering, combining, splitting, sorting, and unduplicating. Using this book, you will be able to answer your toughest questions quickly and in the most efficient way possible!

DELTA PRODUCTS CASE STUDY

SOLUTIONS MANUAL

SEARCHING FOR INSTITUTIONAL SOLUTIONS TO INDUSTRIAL POLICY CHALLENGES

A CASE STUDY OF THE BRAZILIAN DEVELOPMENT BANK

A TECHNOLOGY PORTFOLIO OF NATURE BASED SOLUTIONS

INNOVATIONS IN WATER MANAGEMENT

Springer This book aims to define the concept of Nature Based Solutions (NBS) by using case studies from members of the European Innovation Partnership (EIP) Water Action Group - NatureWat. NBS is defined and characterized in terms of water source, contaminants, removal mechanisms and resource recovery potential. The case studies presented illustrate the appropriateness of NBS promoting climate resilience. Readers will discover a technology portfolio based on a number of demonstration sites in the fields of climate change adaption, water and wastewater treatment, resource recovery and re-use, and restoring ecosystems to promote the use of nature based solutions. The chapters in the book present a multidisciplinary approach involving social scientists, governance representatives and engineers. The underlying philosophy of the book is the circular economy of water which prioritizes the concepts of resource recovery and resilience within water resource management. The first section of the book presents the background and objectives of the study, and how the action group aims to promote the use of nature based solutions through its diverse technology portfolio. Particular attention is given to the goals of finding cost-effective solutions for wastewater treatment, climate change mitigation, disaster risk reduction, flood protection, greening cities, degraded areas restoration and biodiversity preservation. The chapter on reclaimed water addresses water reuse and defines the term fit for purpose. Barriers and limitations related to NBS for water resource management are discussed. The book concludes with several case studies at local, regional and global levels which illustrate a new approach to water management. These case studies illustrate the application of a hybrid green and grey infrastructure system. This is a combination of traditional engineered infrastructure with nature based solutions which combines centralised and decentralised systems to optimise the reclamation of water for reuse in a fit for purpose model.

DATA SCIENCE IN R

A CASE STUDIES APPROACH TO COMPUTATIONAL REASONING AND PROBLEM SOLVING

CRC Press Effectively Access, Transform, Manipulate, Visualize, and Reason about Data and Computation Data Science in R: A Case Studies Approach to Computational Reasoning and Problem Solving illustrates the details involved in solving real computational problems encountered in data analysis. It reveals the dynamic and iterative process by which data analysts approach a problem and reason about different ways of implementing solutions. The book's collection of projects, comprehensive sample solutions, and follow-up exercises encompass practical topics pertaining to data processing, including: Non-standard, complex data formats, such as robot logs and email messages Text processing and regular expressions Newer technologies, such as Web scraping, Web services, Keyhole Markup Language (KML), and Google Earth Statistical methods, such as classification trees, k-nearest neighbors, and naïve Bayes Visualization and exploratory data analysis Relational databases and Structured Query Language (SQL) Simulation Algorithm implementation Large data and efficiency Suitable for self-study or as supplementary reading in a statistical computing course, the book enables instructors to incorporate interesting problems into their courses so that students gain valuable experience and data science skills. Students learn how to acquire and work with unstructured or semistructured data as well as how to narrow down and carefully frame the questions of interest about the data. Blending computational details with statistical and data analysis concepts, this book provides readers with an understanding of how professional data scientists think about daily computational tasks. It will improve readers' computational reasoning of real-world data analyses.

NEW WHOLE-HOUSE SOLUTIONS CASE STUDY

NEW TOWN BUILDERS' POWER OF ZERO ENERGY CENTER - DENVER, COLORADO

New Town Builders, a builder of energy efficient homes in Denver, Colorado, offers a zero energy option for all the homes it builds. To attract a wide range of potential homebuyers to its energy efficient homes, New Town Builders created a "Power of Zero Energy Center" linked to its model home in the Stapleton community. This case study presents New Town Builders' marketing approach, which is targeted to appeal to homebuyers' emotions rather than overwhelming homebuyers with scientific details about the technology. The exhibits in the Power of Zero Energy Center focus on reduced energy expenses for the homeowner, improved occupant comfort, the reputation of the builder, and the lack of sacrificing the homebuyers' desired design features to achieve zero net energy in the home. This case study also contains customer and realtor testimonials related to the effectiveness of the Center in influencing homebuyers to purchase a zero energy home.

EXISTING HOMES RETROFIT CASE STUDY

GREEN HOME SOLUTIONS BY GRUPE, LODI, CALIFORNIA

This is a Building America case study on a the first whole building energy efficiency retrofit project on an existing home conducted by Grupe's Green Home Solutions in Lodi, California.