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KEY=WORKBOOK - HIGGINS MILA

Digitalization and Analytics for Smart Plant Performance Theory and Applications

John Wiley & Sons This book addresses the topic of integrated digitization of plants on an objective basis and in a holistic manner by sharing data, applying analytics tools and integrating workflows via pertinent examples from industry. It begins with an evaluation of current performance management practices and an overview of the need for a "Connected Plant" via digitalization followed by sections on "Connected Assets: Improve Reliability and Utilization," "Connected Processes: Optimize Performance and Economic Margin " and "Connected People: Digitalizing the Workforce and Workflows and Developing Ownership and Digital Culture," then culminating in a final section entitled "Putting All Together Into an Intelligent Digital Twin Platform for Smart Operations and Demonstrated by Application cases."

Children's Books in Print

R. R. Bowker

Smart English 6 Teacher's Manual1st Ed. 2008

Rex Bookstore, Inc.

Smart English 4 Teacher's Manual1st Ed. 2008

Rex Bookstore, Inc.

Science in Your World: Activity book teacher edition

Communication Challenges and Solutions in the Smart Grid

Springer This SpringerBrief discusses the rise of the smart grid from the perspective of computing and communications. It explains how current and next-generation network technology and methodologies help recognize the potential that the smart grid initiative promises. Chapters provide context on the smart grid before exploring specific challenges related to communication control and energy management. Topics include control in heterogeneous power supply, solutions for backhaul and wide area networks, home energy management systems, and technologies for smart energy management systems. Designed for researchers and professionals working on the smart grid, Communication Challenges and Solutions in the Smart Grid offers context and applications for the common issues of this developing technology. Advanced-level students interested in networking and communications engineering will also find the brief valuable.

Smart Geography

100 Years of the Bulgarian Geographical Society

Springer Nature This book focuses on new and innovative spatial approaches based on smart solutions and developed in the field of geography and related interdisciplinary fields such as urban and regional studies, landscape ecology and ecosystem services. It includes contributions from a conference dedicated to the 100th anniversary of the Bulgarian Geographical Society. In turn, the book reveals how 21st-century geography is expected to facilitate the development of human capital and the knowledge society, while also offering place-specific solutions for sustainable regional development and utilization of the planet's natural and human capital to improve social wellbeing. This volume is intended for the global geographical research community, as well as professionals and practitioners in all fields that deal with space, including regional planners and environmental managers.

Big Data Science and Analytics for Smart Sustainable Urbanism

Unprecedented Paradigmatic Shifts and Practical Advancements

Springer We are living at the dawn of what has been termed 'the fourth paradigm of science,' a scientific revolution that is marked by both the emergence of big data science and analytics, and by the increasing adoption of the underlying technologies in scientific and scholarly research practices. Everything about science development or knowledge production is fundamentally changing thanks to the ever-increasing deluge of data. This is the primary fuel of the new age, which powerful computational processes or analytics algorithms are using to generate valuable knowledge for enhanced decision-making, and deep insights pertaining to a wide variety of practical uses and applications. This book addresses the complex interplay of the scientific, technological, and social dimensions of

the city, and what it entails in terms of the systemic implications for smart sustainable urbanism. In concrete terms, it explores the interdisciplinary and transdisciplinary field of smart sustainable urbanism and the unprecedented paradigmatic shifts and practical advances it is undergoing in light of big data science and analytics. This new era of science and technology embodies an unprecedentedly transformative and constitutive power—manifested not only in the form of revolutionizing science and transforming knowledge, but also in advancing social practices, producing new discourses, catalyzing major shifts, and fostering societal transitions. Of particular relevance, it is instigating a massive change in the way both smart cities and sustainable cities are studied and understood, and in how they are planned, designed, operated, managed, and governed in the face of urbanization. This relates to what has been dubbed data-driven smart sustainable urbanism, an emerging approach based on a computational understanding of city systems and processes that reduces urban life to logical and algorithmic rules and procedures, while also harnessing urban big data to provide a more holistic and integrated view or synoptic intelligence of the city. This is increasingly being directed towards improving, advancing, and maintaining the contribution of both sustainable cities and smart cities to the goals of sustainable development. This timely and multifaceted book is aimed at a broad readership. As such, it will appeal to urban scientists, data scientists, urbanists, planners, engineers, designers, policymakers, philosophers of science, and futurists, as well as all readers interested in an overview of the pivotal role of big data science and analytics in advancing every academic discipline and social practice concerned with data–intensive science and its application, particularly in relation to sustainability.

Advances in the Leading Paradigms of Urbanism and their Amalgamation

Compact Cities, Eco–Cities, and Data–Driven Smart Cities

Springer Nature This book explores the recent advances in the leading paradigms of urbanism, namely compact cities, eco-cities, and data–driven smart cities, and the evolving approach to their amalgamation under the umbrella term of smart sustainable cities. It addresses these advances by investigating how and to what extent the strategies of compact cities and eco-cities and their merger

have been enhanced and strengthened through new planning and development practices, and are being supported and leveraged by the applied solutions pertaining to data-driven smart cities. The ultimate goal is to advance sustainability and harness its synergistic effects on multiple scales. This entails developing and implementing more effective approaches to the balanced integration of the three dimensions of sustainability, as well as to producing combined effects of the strategies and solutions of the prevailing approaches to urbanism that are greater than the sum of their separate effects in terms of the tripartite value of sustainability. Sustainable urban development is today seen as one of the keys towards unlocking the quest for a sustainable world. And the big data revolution is set to erupt in cities throughout the world, heralding an era where instrumentation, datafication, and computation are increasingly pervading the very fabric of cities and the spaces we live in thanks to the IoT. Big data and the IoT technologies are seen as powerful forces that have tremendous potential for advancing urban sustainability. Indeed, they are instigating a massive change in the way sustainable cities can tackle the kind of special conundrums, wicked problems, and significant challenges they inherently embody as complex systems. They offer a multitudinous array of innovative solutions and sophisticated approaches informed by groundbreaking research and data–driven science. As such, they are becoming essential to the functioning of sustainable cities. Besides, yet knowing to what extent we are making progress towards sustainable cities is problematic, adding to the fragmented, conflicting picture that arises of change on the ground in the face of the escalating rate and scale of urbanization and in the light of emerging ICT and its novel applications. In a nutshell, new circumstances require new responses. This timely and multifaceted book is intended for a wide readership. As such, it will appeal to researchers, academics, urban scientists, urbanists, planners, designers, policy-makers, and futurists, as well as all readers interested in sustainable cities and their ongoing and future data-driven transformation.

Mathematics, Grade 2

Make It Stick

The Science of Successful Learning

Harvard University Press Discusses the best methods of learning, describing how rereading and rote repetition are counterproductive and how such techniques as self-testing, spaced retrieval, and finding additional layers of information in new material can enhance

learning.

Collective Intelligence for Smart Cities

Elsevier Collective Intelligence for Smart Cities begins with an overview of the fundamental issues and concepts of smart cities. Surveying the current state-of-the-art research in the field, the book delves deeply into key smart city developments such as health and well-being, transportation, safety, energy, environment and sustainability. In addition, the book focuses on the role of IoT cloud computing and big data, specifically in smart city development. Users will find a unique, overarching perspective that ties together these concepts based on collective intelligence, a concept for quantifying mass activity familiar to many social science and life science researchers. Sections explore how group decision-making emerges from the consensus of the collective, collaborative and competitive activities of many individuals, along with future perspectives. Provides collective intelligence-based solutions to enhance smart city well-being Recommends strategies to ensure smart city sustainability and optimization, including smart transportation Considers cloud-based data processing approaches for managing data collected from smart city applications Uses case studies to shows successful application in a variety of smart city contexts

Open Source Geospatial Science for Urban Studies

The Value of Open Geospatial Data

Springer Nature This book is mainly focused on two themes: transportation and smart city applications. Open geospatial science and technology is an increasingly important paradigm that offers the opportunity to promote the democratization of geographical information, the transparency of governments and institutions, as well as social, economic and urban opportunities. During the past decade, developments in the area of open geospatial data have greatly increased. The open source GIS research community believes that combining free and open software, open data, as well as open standards, leads to the creation of a sustainable ecosystem for accelerating new discoveries to help solve global cross-disciplinary urban challenges. The vision of this book is to enrich the existing literature on this topic, and act one step towards more sustainable cities through employment of open source GIS solutions that are reproducible. Various contributions are provided and practically implemented in several urban use cases. Therefore, apart from researchers, lecturers and students in the geography/urbanism domain, crowdsourcing and VGI domain, as well as open source GIS

domain, it is believed the specialists and mentors in municipalities and urban planning departments as well as professionals in private companies would be interested to read this book.

Smart Answers to Tricky Interview Questions

How to prepare for a job-winning interview

Robinson This is a book for job seekers that covers just about every interview scenario that they might have to deal with and includes over 200 examples of just about every question they may be asked, with examples of appropriate answers. Provides inside information from an author who is frequently asked by organisations to interview candidates, design assessment centres, and train interviewers. He writes the questions for interviewers to ask - and tells them the answers they should listen out for. This new edition includes a new chapter on building rapport and making a confident impact.

Smart Sustainable Cities of the Future

The Untapped Potential of Big Data Analytics and Context–Aware Computing for Advancing Sustainability

Springer This book is intended to help explore the field of smart sustainable cities in its complexity, heterogeneity, and breadth, the many faces of a topical subject of major importance for the future that encompasses so much of modern urban life in an increasingly computerized and urbanized world. Indeed, sustainable urban development is currently at the center of debate in light of several ICT visions becoming achievable and deployable computing paradigms, and shaping the way cities will evolve in the future and thus tackle complex challenges. This book integrates computer science, data science, complexity science, sustainability science, system thinking, and urban planning and design. As such, it contains innovative computer–based and data–analytic research on smart sustainable cities as complex and dynamic systems. It provides applied theoretical contributions fostering a better understanding of such systems and the synergistic relationships between the underlying physical and informational landscapes. It offers contributions

pertaining to the ongoing development of computer–based and data science technologies for the processing, analysis, management, modeling, and simulation of big and context data and the associated applicability to urban systems that will advance different aspects of sustainability. This book seeks to explicitly bring together the smart city and sustainable city endeavors, and to focus on big data analytics and context-aware computing specifically. In doing so, it amalgamates the design concepts and planning principles of sustainable urban forms with the novel applications of ICT of ubiquitous computing to primarily advance sustainability. Its strength lies in combining big data and context–aware technologies and their novel applications for the sheer purpose of harnessing and leveraging the disruptive and synergetic effects of ICT on forms of city planning that are required for future forms of sustainable development. This is because the effects of such technologies reinforce one another as to their efforts for transforming urban life in a sustainable way by integrating data–centric and context–aware solutions for enhancing urban systems and facilitating coordination among urban domains. This timely and comprehensive book is aimed at a wide audience across science, academia industry, and policymaking. It provides the necessary material to inform relevant research communities of the state–of–the–art research and the latest development in the area of smart sustainable urban development, as well as a valuable reference for planners, designers, strategists, and ICT experts who are working towards the development and implementation of smart sustainable cities based on big data analytics and context–aware computing.

Breakthroughs in Smart City Implementation

CRC Press Breakthroughs in Smart City Implementation should give answers on a wide variety of present social, political and technological problems. Green and long-lasting solutions are needed in coming 10 years and beyond on areas as green and long lasting solutions for improving air quality, quality of life of residents in cities, traffic congestions and many more.Two Conasense branches, established in China and in India, report in six book chapters on initiatives needed to overcome the obvious shortcomings at present. Three more chapters complete this fifth Conasense book: an introductory chapter concerning Smart City from Conasense perspective, a chapter showing that not technology but the people in the cities are most important and a chapter on recent results and prospects of "Human in the Loop" in smart vehicular systems.

Technologies for Urban and Spatial Planning: Virtual

Cities and Territories

Virtual Cities and Territories

IGI Global "This book covers a multitude of newly developed hardware and software technology advancements in urban and spatial planning and architecture, drawing on the most current research and studies of field practitioners who offer solutions and recommendations for further growth, specifically in urban and spatial developments"--

Distracted: Staying Connected without Losing Focus

ABC-CLIO What are the benefits and negative consequences of our increased connectivity at school, at work, and at home? Is being constantly distracted now a worldwide problem? This book examines how new technologies and social pressures have changed the way we use our attention, and the extent to which they drive us to distraction, by interpreting hundreds of scientific studies from the literatures in cognitive and social psychology, sociology, communication, management, and decision making. • Offers a comprehensive and insightful understanding of how technology use in daily life affects our attention, our work performance, and our relationships • Describes how to get and keep the attention of others in a distracted, mobile-device enabled world • Explains benefits of multitasking as well as how it limits our abilities to process information and make good decisions • Addresses the connections between constantly being distracted and trying to multitask to the near crisis-level trend of unused vacation time in America and explains why this phenomenon hurts everyone

Big Data: Concepts, Methodologies, Tools, and Applications

Concepts, Methodologies, Tools, and Applications

IGI Global The digital age has presented an exponential growth in the amount of data available to individuals looking to draw conclusions based on given or collected information across industries. Challenges associated with the analysis, security, sharing, storage, and visualization of large and complex data sets continue to plague data scientists and analysts alike as traditional data processing applications struggle to adequately manage big data. Big Data: Concepts, Methodologies, Tools, and Applications is a multi-volume compendium of research-based perspectives and solutions within the realm of large-scale and complex data sets. Taking a multidisciplinary approach, this publication presents exhaustive coverage of crucial topics in the field of big data including diverse applications, storage solutions, analysis techniques, and methods for searching and transferring large data sets, in addition to security issues. Emphasizing essential research in the field of data science, this publication is an ideal reference source for data analysts, IT professionals, researchers, and academics.

Research Handbook in Data Science and Law

Edward Elgar Publishing The use of data in society has seen an exponential growth in recent years. Data science, the field of research concerned with understanding and analyzing data, aims to find ways to operationalize data so that it can be beneficially used in society, for example in health applications, urban governance or smart household devices. The legal questions that accompany the rise of new, data-driven technologies however are underexplored. This book is the first volume that seeks to map the legal implications of the emergence of data science. It discusses the possibilities and limitations imposed by the current legal framework, considers whether regulation is needed to respond to problems raised by data science, and which ethical problems occur in relation to the use of data. It also considers the emergence of Data Science and Law as a new legal discipline.

Data-Driven Solutions to Transportation Problems

Elsevier Data-Driven Solutions to Transportation Problems explores the fundamental principle of analyzing different types of transportation-related data using methodologies such as the data fusion model, the big data mining approach, computer vision-enabled traffic sensing data analysis, and machine learning. The book examines the state-of-the-art in data-enabled methodologies, technologies and applications in transportation. Readers will learn how to solve problems relating to energy efficiency under

connected vehicle environments, urban travel behavior, trajectory data-based travel pattern identification, public transportation analysis, traffic signal control efficiency, optimizing traffic networks network, and much more. Synthesizes the newest developments in data-driven transportation science Includes case studies and examples in each chapter that illustrate the application of methodologies and technologies employed Useful for both theoretical and technically-oriented researchers

Biomedical Engineering Applications for People with Disabilities and the Elderly in the COVID-19 Pandemic and Beyond

Academic Press Biomedical Engineering Applications for People with Disabilities and the Elderly in the COVID-19 Pandemic and Beyond presents biomedical engineering applications used to manage people's disabilities and care for the elderly to improve their quality of life and extend life expectancy. This edited book covers all aspects of assistive technologies, including the Internet of Things (IoT), telemedicine, e-Health, m-Health, smart sensors, robotics, devices for rehabilitation, and "serious" games. This book will prove useful for bioengineers, computer science undergraduate and postgraduate students, researchers, practitioners, biomedical engineering students, healthcare workers, and medical doctors. This volume introduces recent advances in biomaterials, sensors, cellular engineering, biomedical devices, nanotechnology, and biomechanics applied in caring for the elderly and people with disabilities. The unique focus of this book is on the needs of this user base during emergency and disaster situations. The content includes risk reduction, emergency planning, response, disaster recovery, and needs assessment. This book offers readers multiple perspectives on a wide range of topics from a variety of disciplines. This book answers two key questions: What challenges will the elderly and people with disabilities face during a pandemic? How can new (or emerging) advances in biomedical engineering help with these challenges? Includes coverage of smart protective care tools, disinfectants, sterilization equipment and equipment for rapid and accurate COVID-19 diagnosis Focuses on the limitations and challenges faced by the elderly and people with disabilities in pandemic situations, such as limitations on leaving their homes and having caregivers and family visit their homes. How can technology help? Discusses tools, platforms and techniques for managing patients with COVID-19

Smart Green World?

Making Digitalization Work for Sustainability

Routledge In this book, Steffen Lange and Tilman Santarius investigate how digitalization influences environmental and social sustainability. The information revolution is currently changing the daily lives of billions of people worldwide. At the same time, the current economic model and consumerist lifestyle needs to be radically transformed if society is to overcome the challenges humanity is facing on a finite planet. Can the much-discussed disruption potential of digitalization be harnessed for this purpose? Smart Green World? provides guiding principles for a sustainable digital society and develops numerous hands-on proposals for how digitalization can be shaped to become a driving force for social transformation. For instance, the authors explain why more digitalization is needed to realize the transition towards 100% renewable energy and show how this can be achieved without sacrificing privacy. They analyze how the information revolution can transform consumption patterns, mobility habits and industry structures – instead of fostering the consumption of unneeded stuff due to personalized commercials and the acceleration of life. The authors reveal how Artificial Intelligence and the Industrial Internet of Things pose novel environmental challenges and contribute to a polarization of income; but they also demonstrate how the internet can be restored to its status as a commons, with users taking priority and society at large reaping the benefits of technological change in a most democratic way. Providing a comprehensive and practical assessment of both social and environmental opportunities and challenges of digitalization, Smart Green World? Making Digitalization Work for Sustainability will be of great interest to all those studying the complex interrelationship of the twenty-first-century megatrends of digitalization and decarbonization.

Data Smart

Using Data Science to Transform Information into Insight

John Wiley & Sons Data Science gets thrown around in the press like it'smagic. Major retailers are predicting everything from when theircustomers are pregnant to when they want a new pair of ChuckTaylors. It's a brave new world where seemingly meaningless datacan be transformed into valuable insight to drive smart businessdecisions. But how does one exactly do data science? Do you

have to hireone of these priests of the dark arts, the "data scientist," toextract this gold from your data? Nope. Data science is little more than using straight-forward steps toprocess raw data into actionable insight. And in DataSmart, author and data scientist John Foreman will show you howthat's done within the familiar environment of aspreadsheet. Why a spreadsheet? It's comfortable! You get to look at the dataevery step of the way, building confidence as you learn the tricksof the trade. Plus, spreadsheets are a vendor-neutral place tolearn data science without the hype. But don't let the Excel sheets fool you. This is a book forthose serious about learning the analytic techniques, the math andthe magic, behind big data. Each chapter will cover a different technique in aspreadsheet so you can follow along: Mathematical optimization, including non-linear programming andgenetic algorithms Clustering via k-means, spherical k-means, and graphmodularity Data mining in graphs, such as outlier detection Supervised AI through logistic regression, ensemble models, andbag-of-words models Forecasting, seasonal adjustments, and prediction intervalsthrough monte carlo simulation Moving from spreadsheets into the R programming language You get your hands dirty as you work alongside John through eachtechnique. But never fear, the topics are readily applicable andthe author laces humor throughout. You'll even learnwhat a dead squirrel has to do with optimization modeling, whichyou no doubt are dying to know.

Smart Polymers

Principles and Applications

Walter de Gruyter GmbH & Co KG Smart polymers react sharply to small changes in physical or chemical conditions and present an intelligent response to chemical stimuli (i.e., chemical species -including biomolecules-, pH, solvents, redox, stimuli that trigger controlled depolymerization) and physical stimuli (i.e., temperature, light, mechanical stress and electrical stimuli). For these reasons, the interest in smart polymers has recently increased exponentially, especially in biological stimuli (i.e., application of polymer-based biosensors, drug delivery, tissue engineering, precision medicine and cell therapy). This book offers a unique opportunity to review the physical-chemical fundamentals of smart polymers, and their behaviour. It also provides an excellent review of the main applications of smart polymers.

Data Science-Based Full-Lifespan Management of Lithium-Ion Battery

Manufacturing, Operation and Reutilization

Springer Nature This open access book comprehensively consolidates studies in the rapidly emerging field of battery management. The primary focus is to overview the new and emerging data science technologies for full-lifespan management of Li-ion batteries, which are categorized into three groups, namely (i) battery manufacturing management, (ii) battery operation management, and (iii) battery reutilization management. The key challenges, future trends as well as promising data-science technologies to further improve this research field are discussed. As battery full-lifespan (manufacturing, operation, and reutilization) management is a hot research topic in both energy and AI fields and none specific book has focused on systematically describing this particular from a data science perspective before, this book can attract the attention of academics, scientists, engineers, and practitioners. It is useful as a reference book for students and graduates working in related fields. Specifically, the audience could not only get the basics of battery manufacturing, operation, and reutilization but also the information of related data-science technologies. The step-by-step guidance, comprehensive introduction, and case studies to the topic make it accessible to audiences of different levels, from graduates to experienced engineers.

The Science of Intelligent Achievement

How Smart People Focus, Create and Grow Their Way to Success

John Wiley & Sons "this book will show you how to develop your focus by being very selective with where you spend your mental energy. If you've failed to reach an important goal because you were distracted, misinformed, or overcommitted, then you know the

role focus and selectivity play in achievement. Second, you will learn how to stop allowing your happiness and success to be dependent on other people and instead, start taking ownership over your life. Finally, you will learn the art of changing your life through pragmatic decisions and actions. Self-improvement is not the result of dramatic changes. Instead, science has shown that personal and professional change is initiated and sustained by consistent, practical changes. To grow, you must leverage the power of micro-decisions, personality responsibility, and mini-habits. Your own biology will not let you improve your life in any other way"--

ENC Focus

20 Smart Practice Set RRB Group-D English

S. Chand Publishing Smart Practice Sets marks 6 years of Testbook as the fastest growing platform in Education Technology. This book is an effort to reform the conventional style of solving mock tests, where students usually focus on quantity of problem sets solved, than evaluating and improving their performance. This book contains 20 tests attempted by thousands of students Online. Testbook's Data Science Team has extracted and processed tons of data points like speed of answering, maximum time taken to answer, accuracy trend on each question, toppers' & average student's performances, etc. from the students' responses on each question. They have then drawn amazing comparative insights for analysis.

Green Computing in Smart Cities: Simulation and Techniques

Springer Nature The book collects the latest research and thinking from international experts on green computing and the smart city. The financial and environmental costs of energy are a concern in smart cities due to the high usage of computing, technology, security, IoT, communications, traffic, and other technologies. This book tackles this problem with a focus on computing, reporting on various approaches being taken worldwide, illustrated by several international case studies demonstrating these approaches. Researchers use this book as an up-to-date reference and engineers use it as a guide for the design and implementation of real solutions.

Super Minds Level 6 Teacher's Book

Cambridge University Press An exciting, seven-level course that enhances young learners' thinking skills, sharpening their memory while improving their language skills. This exciting seven-level course enhances your students' thinking skills, improving their memory along with their language skills. Super Minds develops language creatively with activities including role play and project work and explores social values with both lively stories and cross-curricular thinking with fascinating 'English for school' sections. For ease of use, this Level 6 Teacher's Book includes detailed lesson aims, clear instructions and a vast array of extra activities. Class Audio CDs, including audio from the Student's Book and Workbook, are sold separately.

Artificial Intelligence Perspective for Smart Cities

CRC Press The concept of a "smart city" is used widely in general; however, it is hard to explain because of the complexity and multidimensionality of this notion. However, the essential qualification for being a smart city is to achieve "sustainable social, environmental, and economic development" and boost the living standards of society based on Information and Communication Technology (ICT) and Artificial intelligence (AI). AI in smart cities has become an important aspect for cities that face great challenges to make smart decisions for social well-being, particularly cybersecurity and corporate sustainability. In this context, we aim to contribute literature with a value-added approach where various AI applications of smart cities are discussed from a different perspective. First, we start by discussing the conceptual design, modeling, and determination of components for the sustainability of a smart city structure. Since smart cities operate on spatial-based data, it is important to design, operate, and manage smart city elements using Geographical Information Systems (GIS) technologies. Second, we define the structure, type, unit, and functionality of the layers to be placed on the GIS to achieve best practices based on Industry 4.0 components. Transportation is one of the key indicators of smart cities, so it is critical to make transportation in smart cities accessible for different disabled groups by using AI technologies. Third, we demonstrate what kinds of technologies should be used for which disabled groups in different transportation vehicles with specific examples. Finally, we create a discussion platform for processes and sub-processes such as waste management, emergency management, risk management, and data management for establishing smart cities including the financial and ethical aspects.

A Guide to the Phenomenology of Religion

Key Figures, Formative Influences and Subsequent Debates

A&C Black Provides an introduction and overview to the Phenomenology of Religion through describing, analysing and evaluating the ideas of key thinkers in the phenomenology of religion. This book also examines the thinking of scholars within the Dutch, British and North American 'schools' of religious phenomenology.

Mathematics and Science for Students with Special Needs

The Little Black Book of Innovation, With a New Preface

How It Works, How to Do It

Harvard Business Review Press In The Little Black Book of Innovation, long-time innovation expert Scott D. Anthony draws on stories from his research and field work with companies like Procter & Gamble to demystify innovation. Anthony presents a simple definition of innovation and illuminates its vital role in organizational success and personal growth. Anthony also provides a powerful 28-day program for mastering innovation's key steps: finding insight, generating ideas, building businesses, and strengthening capabilities. With its wealth of illustrative case studies from around the globe, this engaging and potent playbook is a must-read for anyone seeking to turn themselves or their companies into true innovation powerhouses.

The Art of Failure

An Essay on the Pain of Playing Video Games

MIT Press An exploration of why we play video games despite the fact that we are almost certain to feel unhappy when we fail at them. We may think of video games as being "fun," but in The Art of Failure, Jesper Juul claims that this is almost entirely mistaken. When we play video games, our facial expressions are rarely those of happiness or bliss. Instead, we frown, grimace, and shout in frustration as we lose, or die, or fail to advance to the next level. Humans may have a fundamental desire to succeed and feel competent, but game players choose to engage in an activity in which they are nearly certain to fail and feel incompetent. So why do we play video games even though they make us unhappy? Juul examines this paradox. In video games, as in tragic works of art, literature, theater, and cinema, it seems that we want to experience unpleasantness even if we also dislike it. Reader or audience reaction to tragedy is often explained as catharsis, as a purging of negative emotions. But, Juul points out, this doesn't seem to be the case for video game players. Games do not purge us of unpleasant emotions; they produce them in the first place. What, then, does failure in video game playing do? Juul argues that failure in a game is unique in that when you fail in a game, you (not a character) are in some way inadequate. Yet games also motivate us to play more, in order to escape that inadequacy, and the feeling of escaping failure (often by improving skills) is a central enjoyment of games. Games, writes Juul, are the art of failure: the singular art form that sets us up for failure and allows us to experience it and experiment with it. The Art of Failure is essential reading for anyone interested in video games, whether as entertainment, art, or education.

KULUNDA: Climate Smart Agriculture

South Siberian Agro-steppe as Pioneering Region for

Sustainable Land Use

Springer Nature This book focuses on a representative example and one of the world's largest steppe conversions, and provides a detailed overview of the results of the BMBF-funded research project KULUNDA. As part of the Siberian virgin land policy, the Kulunda steppe was transformed into agricultural land from 1954 to 1965. In the course of the project, a multidisciplinary research team conducted a natural, social-economic and agro-scientific cause-and-effect analysis of (agro-)ecosystem destabilisation, as well as various field trials covering tillage and crop rotation options in their socio-economic context. The ecologically and economically sound findings offer strategies for combining climate smart land utilization, ecosystem restoration and sustainable regional development, and can readily be applied to other virgin land conversion efforts. In addition, the findings on the Eurasian steppes will expand the current conversion literature, which mainly consists of the 'Dust Bowl' literature of the North American plains. Given its scope, the book will appeal to scientists, professionals, and students in the environmental, geo- and climate sciences.

Sustainable Cities Reimagined

Multidimensional Assessment and Smart Solutions

Routledge To assess urban sustainability performance, this book explores several clusters of cities, including megacities, cities of the Global South, European and North American cities, cities of the Middle East and North Africa, cities of Central and South East Asia, a city state of Singapore and a large group of global cities. It applies a multi-criteria approach using a panel of environmental, economic, social and smart indicators to assess progress and policies in global cities including London, New York, Hong Kong, San Francisco, Los Angeles, São Paolo, Rio de Janeiro, Buenos Aires, Paris, Berlin, Stockholm, Moscow, Beijing, Seoul, Singapore, Shanghai, Sydney, Tokyo and many others. Additional attention is given to the issues of climate change, poverty and smart dimensions, with renewable energy and the drivers of urban CO2 emissions playing the central role. This book is abundant with case studies considering strategies, policies and performance of the leading cities, including San Francisco, Stockholm and Seoul in greater depth, exploring how their successes can be used by other cities. The book identifies key linkages between different smart and sustainability dimensions as well as investment opportunities in cities with sustainability potential. This book will be of great interest to policy makers, city and regional authorities as well as scholars and students of urban planning and sustainable development aiming to facilitate a sustainability

transition in our cities around the world.

El-Hi Textbooks & Serials in Print, 2000

Including Related Teaching Materials K-12

Health Systems Science Review E-Book

Elsevier Health Sciences As part of the American Medical Association (AMA)'s Accelerating Change in Medical Education Consortium's work, Health Systems Science (HSS) is establishing itself as the third major branch of a balanced medical education, alongside basic and clinical sciences. Health Systems Science Review is a first-of-its-kind review book designed to prepare future physicians and other health care professionals to function effectively within health systems by better understanding how health care is delivered, how health care professionals work together to deliver that care, and how the health system can improve patient care and health care delivery. This study tool provides case-based questions followed by discussions of answers and suggested readings—making it a valuable review resource for medical students and instructors, as well as medical residents; nursing, allied health, and public health students; and hospital administrators. Meets a growing need for an effective, targeted review tool on HSS, a topic increasingly covered on the USMLE and other exams. Contains 250+ case-based, multiple-choice questions, with extensive discussion of correct and incorrect answers. Offers an up-to-date, effective review to support and assess competence in HSS, covering health care delivery and processes, health care policy and economics, clinical informatics and technology, social determinants of health, patient safety, teamwork and collaboration, systems thinking and complexity science, and much more. Provides highly relevant content applicable to today's evolving health care delivery written by experts in emerging areas of HSS. Serves as an excellent study companion for the ground-breaking book, Health Systems Science, by Susan E. Skochelak, MD, MPH, et al., also developed by the AMA's Accelerating Change in Medical Education Consortium, which is at the forefront of change and innovation in medical education.