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Multiscale Modelling of Advanced Materials Quality Assurance Implementation in Research Labs Handbook of Water Resources Management: Discourses, Concepts and Examples Databases Theory and Applications Machine Learning with Health Care Perspective Older Women and Well-Being Carbon Nanomaterial Electronics: Devices and Applications Animal Models of Neurological Disorders Art & Practice of Creative Visualization Recent Trends in Materials and Devices Nanomaterials and Their Applications Microbes and Enzymes in Soil Health and Bioremediation Fungal Diseases in Animals Optimal Planning of Smart Grid With Renewable Energy Resources Mathematical Analysis for Transmission of COVID-19 Recent Trends in Materials and Devices TFET Integrated Circuits Recent Developments in Sustainable Infrastructure Nanotechnology in Modern Animal Biotechnology Electronics Fundamentals and Applications Smart Cities and Smart Spaces: Concepts, Methodologies, Tools, and Applications Nanotechnology in Modern Animal Biotechnology Planet Earth in a Nutshell Blood and Marrow Transplant Handbook Learning Composite Mathematics - 3 New Learning Composite Mathematics 3 Compact Advanced Student's Book without Answers with CD-ROM Internet of Things (IoT) Soil pollution: a hidden reality Basic Concepts in Environmental Biotechnology A Master's Secret Whispers Digital Electronics Time Management Cotton Production The Virgins: A Novel The Vedas and Upanishads for Children Naturally Occurring Chemicals against Alzheimer’s Disease Risk Analysis and Portfolio Modelling Machine Learning and AI for Healthcare Awareness Social Sciences For Class Seven

Multiscale Modelling of Advanced Materials

2020-02-08

this volume covers the recent advances and research on the modeling and simulation of materials the primary aim is to take the reader through the mathematical analysis to the theories of electricity and magnetism using multiscale modelling covering a variety of numerical methods such as finite difference time domain fdtd finite element method fem and method of moments the book also introduces the multiscale green s function gf method for static and dynamic modelling and simulation results of modern advanced nanomaterials particularly the two dimensional 2d materials this book will be of interest to researchers and industry professionals working on advanced materials

Quality Assurance Implementation in Research Labs

2021-08-17

this book is a comprehensive and timely compilation of strategy methods and implementation of a proof of concept modified quality module of good laboratory practices glp this text provides a historical overview of glp and related standards of quality assurance practices in clinical testing laboratories as well as basic research settings it specifically discusses the need and challenges in audit documentation and strategies for its implications in system dependent productivity striving research laboratories it also describes the importance of periodic training of study directors as well as the scholars for standardization in research processes this book describes different documents required at various time points of a successful ph d and post doc tenure along with faculty training besides entire lab establishments various other areas including academic social responsibility and quality assurance in the developing world lab orientations and communication digitization in data accuracy auditability and back traceability have also been discussed this book will be a preferred source for principal investigators research scholars and industrial research centers globally from the foreword by ratan tata india this book will be a guide for students and professionals alike in quality assurance practices related to clinical research labs the historical research and fundamental principles make it a good tool in clinical research environments the country has a great need for such a compilation in order to increase the application of domestic capabilities and technology

Handbook of Water Resources Management: Discourses, Concepts and Examples

2021-06-12

this book provides an overview of facts theories and methods from hydrology geology geophysics law ethics economics ecology engineering sociology diplomacy and many other disciplines with relevance for concepts and practice of water resources management it provides comprehensive but also critical reading material for all communities involved in the ongoing water discourses and debates the book refers to case studies in the form of boxes sections or as entire chapters they illustrate success stories but also lessons to be remembered to avoid repeating the same mistakes based on consolidated state of the art knowledge it has been conceived and written to attract a multidisciplinary audience the aim of this handbook is to facilitate understanding between the participants of the international water discourse and multi level decision making processes knowing more about water but also about concepts methods and aspirations of different professional disciplinary communities and stakeholders professionalizes the debate and enhances the decision making

Databases Theory and Applications

2021-02-09

this book constitutes the refereed proceedings of the 32nd australasian database conference adc 2021 held in dunedin new zealand in january february 2021 the 17 full papers presented were carefully reviewed and selected from 21 submissions the australasian database conference is an annual international forum for sharing the latest research advancements and novel applications of database systems data driven applications and data analytics between researchers and practitioners from around the globe particularly australia and new zealand adc shares novel research solutions to problems of todays information society that fullfil the needs of heterogeneous applications and environments and to identify new issues and directions for future research and development work

Machine Learning with Health Care Perspective

2020-03-09

this unique book introduces a variety of techniques designed to represent enhance and empower multi disciplinary and multi institutional machine learning research in healthcare informatics providing a unique compendium of current and emerging machine learning paradigms for healthcare informatics it reflects the diversity complexity and the depth and breadth of this multi disciplinary area further it describes techniques for applying machine

learning within organizations and explains how to evaluate the efficacy suitability and efficiency of such applications featuring illustrative case studies including how chronic disease is being redefined through patient led data learning the book offers a guided tour of machine learning algorithms architecture design and applications of learning in healthcare challenges

Older Women and Well-Being

2021-09-24

this book provides deep insights into concerns related to the well being in older women across the globe written by experts in the field it explores social roles health quality of life well being as well as concerns related to abuse and neglect impacting the health of older women it discusses important conditions for the holistic health of older women from different perspectives and provides practical guidelines towards improving the overall status of older women s well being in society the chapters analyze the wider implications of older women s experiences as family members drivers of economies and members of a diverse population worldwide covering a focus which is applicable to countries across continents whether developed or developing the book has an overall appeal to academicians health care policy makers as well as researchers in areas such as aging gerontology social work and psychology

Carbon Nanomaterial Electronics: Devices and Applications

2021-05-22

this book brings together selective and specific chapters on nanoscale carbon and applications thus making it unique due to its thematic content it provides access to the contemporary developments in carbon nanomaterial research in electronic applications written by professionals with thorough expertise in similar broad area the book is intended to address multiple aspects of carbon research in a single compiled edition it targets professors scientists and researchers belonging to the areas of physics chemistry engineering biology and medicine and working on theory experiment and applications of carbon nanomaterials

Animal Models of Neurological Disorders

2018-01-17

this book introduces undergraduate postgraduate and research students and scientists to animal models of neurological disorders along with their working principle and brief procedures addressing all the disorders related to the central nervous system cns in a single platform on the basis of various literature surveys it describes different procedures to induce a single disease with the help of toxins chemicals it also includes numerous protocols for inducing single neurological diseases thus fulfilling an urgent need for a book that makes specific procedures for neurological disorders available so that specific disease can be induced in laboratories according to the availability of resources further it acquaints readers with the pathological changes that occur in a particular neurological disorder which reflect specific signs and symptoms of any particular disease and examines how they affect everyday life it is a valuable resource for researchers aiming to eradicate or improve neurological disorders by testing the benefits of different drugs

Art & Practice of Creative Visualization

2001-08-01

there s more to creative visualization than meets the eye in this groundbreaking volume first published in 1967 ophiel lays out the 10 laws of creative visualization once understood they are as simple and as real as the laws of gravity or magnetism in other words they work ophiel tells us how to do and undo the magic of visualization whether we want a new job a new house a new relationship or a warm coat we can manifest that which will create happiness and comfort in our lives and should we discover that we ve gotten it wrong that we neither want nor need what we ve visualized there are techniques to undo what has been done along with the theory ophiel offers plenty of practice in working with symbols visualizing physical reality making a treasure chart and understanding the role of emotion in visualization work with the symbols in the book and learn how to create your own this is practical metaphysics at its best love spells are forever but if you want the object of your affection to go away ophiel tells you how to do that as well

Recent Trends in Materials and Devices

2016-10-20

this book presents the proceedings of the international conference on recent trends in materials and devices which was conceived as a major contribution to large scale efforts to foster indian research and development in the field in close collaboration with the community of non resident indian researchers from all over the world the research articles collected in this volume selected from among the submissions for their intrinsic quality and

originality as well as for their potential value for further collaborations document and report on a wide range of recent and significant results for various applications and scientific developments in the areas of materials and devices the technical sessions covered include photovoltaics and energy storage semiconductor materials and devices sensors smart and polymeric materials optoelectronics nanotechnology and nanomaterials mems and nems as well as emerging technologies

Nanomaterials and Their Applications

2017-10-20

this book focuses on the latest advances in the field of nanomaterials and their applications and provides a comprehensive overview of the state of the art of research in this rapidly developing field the book comprises chapters exploring various aspects of nanomaterials given the depth and breadth of coverage the book offers a valuable guide for researchers and students working in the area of nanomaterials

Microbes and Enzymes in Soil Health and Bioremediation

2019-11-23

microbial enzymes play a vital role in maintaining soil health and removing pollutants from contaminated land soil microflora is closely associated with maintaining soil fertility and the use of chemical pesticides fertilizers and other volatile sprays in agriculture threatens the health of the microbial population in the soil every single particle of healthy soil contains millions of bacteria which interact with the nutrients available sustaining the nutrient cycle and making this microflora an essential component of life on earth how do microbes help in the nutrient cycle either by intracellular digestion of macromolecules and converting these into smaller units in their metabolic pathways or by secreting enzymes into the extracellular environment to facilitate the conversion of complex macromolecules into micro molecules that can be easily absorbed by other living species to meet demands for energy and food for the growing global population it is important to protect agricultural land from contamination and maintain its productivity heavy metal ions from contaminated land can enter crops fish or aquatic organisms via contaminated water and these are then taken up by the human body where they can accumulate and alter the normal microflora the microbiological component of the soil is a highly complex system and is still not fully understood how do microbes survive in the changing physicochemical environment of soil this book helps readers understand the mechanism various routes of microbial soil remediation the interactions of different genera and how microbial enzymes support the sustainable restoration of healthy soil

Fungal Diseases in Animals

2021-06-22

the importance of fungal infections in both human and animals has increased over the last few decades this book presents an overview of the different categories of fungal infections that can be encountered in animals including lower vertebrates originating from environmental sources with or without transmission to humans in addition the endemic infections with indirect transmission from the environment the zoophilic fungal pathogens with near direct transmission the zoonotic fungi that can be directly transmitted from animals to humans mycotoxicoses and antifungal resistance in animals will also be discussed this book includes case studies and reviews the current state of knowledge on the mechanism of fungal attraction recognition infection extracellular hydrolytic enzymes and pathogenesis of nematophagous fungi the book also covers diagnostics fungal formulations as well as prevention methods it discusses strategies to access the fungal pathogen groups metagenomic analyses genomics secretomics metabolomics proteomics and transcriptomics in addition pathogen description understanding distribution and recent research results are provided

Optimal Planning of Smart Grid With Renewable Energy Resources

2021-12-10

understanding the recent developments in renewable energy is crucial for a range of fields in today's society as environmental awareness and the need for a more sustainable future continues to grow the uses of renewable energy particularly in areas such as smart grid must be considered and studied thoroughly to be implemented successfully and move society toward a more sustainable future optimal planning of smart grid with renewable energy resources offers a detailed guide to the new problems and opportunities for sustainable growth in engineering by focusing on modeling diverse problems occurring in science and engineering as well as novel effective theoretical methods and robust optimization theories which can be used to analyze and solve multiple types of problems covering topics such as electric drives and energy systems this publication is ideal for researchers academicians industry professionals engineers scholars instructors and students

Mathematical Analysis for Transmission of COVID-19

2022-04-03

this book describes various mathematical models that can be used to better understand the spread of novel coronavirus disease 2019 covid 19 and help to fight against various challenges that have been developed due to covid 19 the book presents a statistical analysis of the data related to the covid 19 outbreak especially the infection speed death and fatality rates in major countries and some states of india like gujarat maharashtra madhya pradesh and delhi each chapter with distinctive mathematical model also has numerical results to support the efficacy of these models each model described in this book provides its unique prediction policy to reduce the spread of covid 19 this book is beneficial for practitioners educators researchers and policymakers handling the crisis of covid 19 pandemic

Recent Trends in Materials and Devices

2020

this book presents the proceedings of the international conference on recent trends in materials and devices icrtmd 2019 held in india it brings together academicians scientists and industrialists from various fields for the establishment of enduring connections to solve the common global challenges across a number of disciplines the conference provides a platform to tackle complex problems from a range of perspectives thereby modeling integrated solution focused thinking and partnerships

TFET Integrated Circuits

2020-11-06

this book describes the physical operation of the tunnel field effect transistor tfet and circuits built with this device whereas the majority of publications on tfets describe in detail the device its characteristics variants and performance this will be the first book addressing tfet integrated circuits tfet ics the authors describe the peculiarities of tfet ics and their differences with mosfets they also develop and analyze a number of logic circuits and memories the discussion also includes complex circuits combining cmos and tfet as well as a potential fabrication process in silicon

Recent Developments in Sustainable Infrastructure

2020-07-03

this book comprises select peer reviewed proceedings of the international conference on recent developments in sustainable infrastructure icrdsi 2019 the topics span over all major disciplines of civil engineering with regard to sustainable development of infrastructure and innovation in construction materials especially concrete the book covers numerical and analytical studies on various topics such as composite and sandwiched structures green building groundwater modeling rainwater harvesting soil dynamics seismic resistance and control of structures waste management structural health monitoring and geo environmental engineering this book will be useful for students researchers and professionals working in sustainable technologies in civil engineering

Nanotechnology in Modern Animal Biotechnology

2019-03-30

the book introduces the basic concepts of nanotechnology and the various technologies to characterize nanomaterials it also covers the nanostructural features of mammalian cells tissues and related nanomechanical properties in addition the book comprehensively describes the current state of the art and future perspectives of nanotechnology in biosensors it also discusses the potential of nanotechnology for delivering the diverse cancer therapeutics and illustrates its limitation due to the potential toxicity associated with oxidative stress it also highlights the ethical issues and translational aspects related to nanotechnology finally it summarizes the applications of nanotechnology in animal biotechnology the recent perspectives and future challenges of nanomedicines the content of the book are beneficial for the undergraduate postgraduate and doctoral students as well the professionals working in the area of nanotechnology and nanomedicines

Electronics Fundamentals and Applications

2008

as populations have continued to grow and expand many people have made their homes in cities around the globe with this increase in city living it is becoming vital to create intelligent urban environments that efficiently support this growth and simultaneously provide friendly and progressive environments to both businesses and citizens alike smart cities and smart spaces concepts methodologies tools and applications is an innovative reference source that discusses social economic and environmental issues surrounding the evolution of smart cities highlighting a range of topics such as smart destinations urban planning and intelligent communities this multi volume book is designed for engineers architects facility managers policymakers academicians and researchers interested in expanding their knowledge on the emerging trends and topics involving smart cities

Smart Cities and Smart Spaces: Concepts, Methodologies, Tools, and Applications

2018-09-07

nanotechnology in modern animal biotechnology concepts and applications discusses the advancement of nanotechnologies in almost every field ranging from materials science to food forensic agriculture and life sciences including biotechnology and medicine nanotechnology is already being harnessed to address many of the key problems in animal biotechnology with future applications covering animal biotechnology e g animal nutrition health disease diagnosis and drug delivery this book provides the tools ideas and techniques of nanoscale principles to investigate understand and transform biological systems nanotechnology provides the ability to manipulate materials at atomic and molecular levels and also arrange atom by atom on a scale of 1 100 nm to create new materials and devices with fundamentally new functions and properties arising due to their small scale details the basics of nanotechnology along with comprehensive information on the state of the art and future perspectives of nanotechnology in biosensors provides recent perspectives and the challenges of nanomedicine provides new insights into the role nanomaterials can play in curing various diseases includes the most recent diagnostic methods such as nanosensors

Nanotechnology in Modern Animal Biotechnology

2019-07-20

this updated and expanded edition developed by the blood and marrow stem cell transplant team at oregon health science university knight cancer institute features the latest medical management guidelines and standards of care for hematopoietic stem cell transplant patients spanning the timeline from the initial consultation throughout the transplant process this handbook includes indications for transplantation and donor selection treatment guidelines for addressing complications during and after transplant and recommendations for long term follow up care concise comprehensive and easy to use blood and marrow transplant handbook 2nd edition presents a multidisciplinary approach to information for physicians and advanced practice medical providers who care for transplant patients and also residents fellows and other trainees

Planet Earth in a Nutshell

2008

updated lab activities group activities worksheets projects mental maths challengers tricky questions mcqs chapter test quick review use of modern tools gadgets and technology make these books more interesting and user friendly maths alert has been updated at various places to point out the common mistakes

Blood and Marrow Transplant Handbook

2015-04-20

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Learning Composite Mathematics - 3

2014-09-18

a focused 50 60 hour course for the revised cambridge english advanced cae exam from 2015 the student s book without answers provides c1 level students with thorough preparation and practice needed for exam success all four of the revised exam papers are covered quick steps and writing and speaking guides explain what to expect in the exam and provide strategies on approaching each paper model answers useful expressions and further practice the accompanying cd rom provides interactive language and skills practice there are two complete practice tests for teachers to access online audio required for the student s book listening exercises is available on class audio cds or in the student s book pack both available separately

New Learning Composite Mathematics 3

2021-05-26

this books objective is to explore the concepts and applications related to internet of things with the vision to identify and address existing challenges additionally the book provides future research directions in this domain and explores the different applications of iot and its associated technologies studies investigate applications for crowd sensing and sourcing as well as smart applications to healthcare solutions agriculture and intelligent disaster management this book will appeal to students practitioners industry professionals and researchers working in the field of iot and its integration with other technologies to develop comprehensive solutions to real life problems

Compact Advanced Student's Book without Answers with CD-ROM

2018-04-30

this document presents key messages and the state of the art of soil pollution its implications on food safety and human health it aims to set the basis for further discussion during the forthcoming global symposium on soil pollution gsop18 to be held at fao hq from may 2nd to 4th 2018 the publication has been reviewed by the intergovernmental technical panel on soil itps and contributing authors it addresses scientific evidences on soil pollution and highlights the need to assess the extent of soil pollution globally in order to achieve food safety and sustainable development this is linked to fao s strategic objectives especially so1 so2 so4 and so5 because of the crucial role of soils to ensure effective nutrient cycling to produce nutritious and safe food reduce atmospheric co2 and n2o concentrations and thus mitigate climate change develop sustainable soil management practices that enhance agricultural resilience to extreme climate events by reducing soil degradation processes this document will be a reference material for those interested in learning more about sources and effects of soil pollution

Internet of Things (IoT)

2021-09

the book includes current and emerging concepts in the area of environmental biotechnology like pollution source control and measurement bioremediation biofuels biosensors conservation biotechnology etc the book includes recent studies and innovations made in this field and incorporates case studies to help in understanding the concepts

Soil pollution: a hidden reality

2017-09-11

herein lie a series of dialogues between a true master and an authentic student the master has devoted his life to unraveling the secret cures to the ills that plague every human being put simply the master has discovered the truth the truth about freedom from anxiety curing emotional pain achieving true success attaining clarity cultivating wisdom mastering relationships gaining complete control of one s mind and so on the master speaks the raw truth and the raw truth has no place for trite things such as prescriptions how to s and cosmetic and ineffective remedies this book is for those who are serious

Basic Concepts in Environmental Biotechnology

2007-09-27

the fundamentals and implementation of digital electronics are essential to understanding the design and working of consumer industrial electronics communications embedded systems computers security and military equipment devices used in applications such as these are constantly decreasing in size and employing more complex technology it is therefore essential for engineers and students to understand the fundamentals implementation and application principles of digital electronics devices and integrated circuits this is so that they can use the most appropriate and effective technique to suit their technical need this book provides practical and comprehensive coverage of digital electronics bringing together information on fundamental theory operational aspects and potential applications with worked problems examples and review questions for each chapter digital electronics includes information on number systems binary codes digital arithmetic logic gates and families and boolean algebra an in depth look at multiplexers de multiplexers devices for arithmetic operations flip flops and related devices counters and registers and data conversion circuits up to date coverage of recent application fields such as programmable logic devices microprocessors microcontrollers digital troubleshooting and digital instrumentation a comprehensive must read book on digital electronics for senior undergraduate and graduate students of electrical electronics and computer engineering and a valuable reference book for professionals and researchers

A Master's Secret Whispers

2019-08-05

different than other usual time management books available this book details 30 strategies and tactics proven methods to get more done in the 24 hours that every single human being on earth has been granted discover how to maximize your time by setting priorities create useful schedules and learn to overcome procrastination how to boost your energy level and productivity with good habits proper food habits exercise and sleep learn how to use the latest technology etc can enable you to manage information and communicate more effectively and efficiently

Digital Electronics

2013-08-06

provides a comprehensive overview of the role of cotton in the economy and cotton production around the world this book offers a complete look at the world s largest fiber crop cotton it examines its effect on the global economy its uses and products harvesting and processing as well as the major challenges and their solutions recent trends and modern technologies involved in worldwide production of cotton cotton production presents recent developments achieved by major cotton producing regions around the world including china india usa pakistan turkey and europe south america central asia and australia in addition to origin and history it discusses the recent advances in management practices as well as the agronomic challenges and the solutions in the major cotton producing areas of the world keeping a focus on global context the book provides sufficient details regarding the management of cotton crops these details are not limited to the choice of cultivar soil management fertilizer and water management pest control cotton harvesting and processing the first book to cover all aspects of cotton production in a global context details the role of cotton in the economy the uses and products of cotton and its harvesting and processing discusses the current state of cotton management practices and issues within and around the world s cotton producing areas provides insight into the ways to improve cotton productivity in order to keep pace with the growing needs of an increasing population cotton production is an essential book for students taking courses in agronomy and cropping systems as well as a reference for agricultural advisors extension specialists and professionals throughout the industry

Time Management

2023-05-25

the virgins is the story of aviva rossner and seung jung s erotic awakening at auburn academy re imagined in richly detailed episodes by their classmate bruce a once embittered voyeur now repentant narrator whose envy spurs the novel s tragic end a new york times editor s choice selection a chicago tribune editor s choice selection a best book of 2013 the new yorker a best book of 2013 the new republic a critics choice selection for 2013 salon a best indie title of 2013 library journal one of redbook s top ten beach reads of 2013 one of o magazine s ten titles to pick up now august 2013 featured in the millions s most anticipated list 2013 a this week s hot reads selection the daily beast a vanity fair hot type selection the virgins was a finalist for the john gardner award publishers weekly named the virgins one of the best boarding school books of all time it s 1979 and aviva rossner and seung jung are notorious at auburn academy they re an unlikely pair at an elite east coast boarding school she s jewish he s korean american and hardly shy when it comes to their sexuality aviva is a formerly bookish girl looking for liberation from an unhappy childhood seung is an enthusiastic dabbler in drugs and a covert rebel against his demanding immigrant parents in the minds of their titillated classmates particularly that of bruce bennett jones the couple lives in a realm of pure indulgent pleasure but as is often the case their fabled relationship is more complicated than it seems despite their lust and urgency their virginity remains intact and as they struggle to understand each other the relationship spirals into disaster the virgins is the story of aviva and seung s descent into confusion and shame as re imagined in richly detailed episodes by their classmate bruce a once embittered voyeur turned repentant narrator with unflinching honesty and breathtaking prose pamela erens brings a fresh voice to the tradition of the great boarding school novel

Cotton Production

2020-11-19

three thousand years ago deep inside the forests of india a great thought revolution was brewing in those forest labs the brightest thinker philosophers contemplated the universe reflected on ancient texts called the vedas and came up with startling insights into questions we still don t have final answers to like what is the universe made of how do i know i m looking at a tree when i see one who am i and where did they put those explosive findings in a sprawling body of goosebumpy and fascinating oral literature called the upanishads intimidated don t be for this joyful fun guide to some of india s longest lasting secular wisdoms reinterpreted for first time explorers by roopa pai is guaranteed to keep you turning the pages

The Virgins: A Novel

2019-10-16

naturally occurring chemicals against alzheimer s disease offers a detailed discussion on the roles molecular mechanisms structural activity relationships toxicology and clinical data on phytochemicals in relation to alzheimer s disease the book examines the available phytochemicals and plants that are potentially effective also determining the role and molecular targets of these phytochemicals in combating ad this comprehensive resource will be helpful to researchers who are working on herbal drugs on ad phytochemistry pharmacology toxicology clinical trials neuroscience and advancement in formulations provides information on phytochemistry pharmacology toxicology clinical trials and advancement in formulations specific to alzheimer s disease in a single source explores natural compounds which can be more affordable to the majority of alzheimer s disease patients

who will increasingly be in developing countries covers a wide array of specific chemical compounds

The Vedas and Upanishads for Children

2019-02-04

financial risk measurement is a challenging task because both the types of risk and the techniques evolve very quickly this book collects a number of novel contributions to the measurement of financial risk which address either non fully explored risks or risk takers and does so in a wide variety of empirical contexts

Naturally Occurring Chemicals against Alzheimer’s Disease

explore the theory and practical applications of artificial intelligence ai and machine learning in healthcare this book offers a guided tour of machine learning algorithms architecture design and applications of learning in healthcare and big data challenges you ll discover the ethical implications of healthcare data analytics and the future of ai in population and patient health optimization you ll also create a machine learning model evaluate performance and operationalize its outcomes within your organization machine learning and ai for healthcare provides techniques on how to apply machine learning within your organization and evaluate the efficacy suitability and efficiency of ai applications these are illustrated through leading case studies including how chronic disease is being redefined through patient led data learning and the internet of things what you ll learn gain a deeper understanding of key machine learning algorithms and their use and implementation within wider healthcare implement machine learning systems such as speech recognition and enhanced deep learning ai select learning methods algorithms and tuning for use in healthcare recognize and prepare for the future of artificial intelligence in healthcare through best practices feedback loops and intelligent agents who this book is for health care professionals interested in how machine learning can be used to develop health intelligence with the aim of improving patient health population health and facilitating significant care payer cost savings

Risk Analysis and Portfolio Modelling

the series awareness social sciences for classes vi vii and viii is based on the syllabus as specified by ncert for the latest sessions the syllabus has tried to link the academic curriculum with real life and thus dwelled on connecting the students understanding with the real world around them accordingly this book has incorporated real life examples case studies story lines and narratives which could be immensely helpful in assimilation and to inculcate interests among the students significantly

Machine Learning and AI for Healthcare

Awareness Social Sciences For Class Seven

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