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## **Data Science for COVID-19** - Utku Kose 2021-10-22

Data Science for COVID-19, Volume 2: Societal and Medical Perspectives presents the most current and leading-edge research into the applications of a variety of data science techniques for the detection, mitigation, treatment and elimination of the COVID-19 virus. At this point, Cognitive Data Science is the most powerful tool for researchers to fight COVID-19. Thanks to instant data-analysis and predictive techniques, including Artificial Intelligence, Machine Learning, Deep Learning, Data Mining, and computational modeling for processing large amounts of data, recognizing patterns, modeling new techniques, and improving both research and treatment outcomes is now possible. Provides a leading-edge survey of Data Science techniques and methods for research, mitigation and the treatment of the COVID-19 virus Integrates various Data Science techniques to provide a resource for COVID-19 researchers and clinicians around the world, including the wide variety of impacts the virus is having on societies and medical practice Presents insights into innovative, data-oriented modeling and predictive techniques from COVID-19 researchers around the world, including geoprocessing and tracking, lab data analysis, and theoretical views on a variety of technical applications Includes real-world feedback and user experiences from physicians and medical staff from around the world for medical treatment perspectives, public safety policies and impacts, sociological and psychological perspectives, the effects of COVID-19 in agriculture, economies, and education, and insights on future pandemics

*The Second Machine Age: Work, Progress, and Prosperity in a Time of Brilliant Technologies* - Erik Brynjolfsson 2014-01-20

A pair of technology experts describe how humans will have to keep pace with machines in order to become prosperous in the future and identify strategies and policies for business and individuals to use to combine digital processing power with human ingenuity.

## **The Oxford Handbook of School Psychology** - Melissa A. Bray 2013-09-05

The Oxford Handbook of School Psychology focuses on significant issues, new developments, and scientific findings that influence current research and practice in the ever-growing field of school psychology.

## **Outlier Analysis** - Charu C. Aggarwal 2016-12-10

This book provides comprehensive coverage of the field of outlier analysis from a computer science point of view. It integrates methods from data mining, machine learning, and statistics within the computational framework and therefore appeals to multiple communities. The chapters of this book can be organized into three categories: Basic algorithms: Chapters 1 through 7 discuss the fundamental algorithms for outlier analysis, including probabilistic and statistical methods, linear methods, proximity-based methods, high-dimensional (subspace) methods, ensemble methods, and supervised methods. Domain-specific methods: Chapters 8 through 12 discuss outlier detection algorithms for various domains of data, such as text, categorical data, time-series data, discrete sequence data, spatial data, and network data. Applications: Chapter 13 is devoted to various applications of outlier analysis. Some guidance is also provided for the practitioner. The second edition of this book is more detailed and is written to appeal to both researchers and practitioners. Significant new material has been added on topics such as kernel methods, one-class support-vector machines, matrix factorization, neural networks, outlier ensembles, time-series methods, and subspace methods. It is written as a textbook and can be used for classroom teaching.

## **Smart Applications with Advanced Machine Learning and Human-Centred Problem Design** - D. Jude Hemanth 2023-01-01

This book brings together the most recent, quality research papers accepted and presented in the 3rd International Conference on Artificial Intelligence and Applied Mathematics in Engineering (ICAIAME 2021) held in Antalya, Turkey between 1-3 October 2021. Objective of the content is to provide important and innovative research for

developments-improvements within different engineering fields, which are highly interested in using artificial intelligence and applied mathematics. As a collection of the outputs from the ICAIAME 2021, the book is specifically considering research outcomes including advanced use of machine learning and careful problem designs on human-centred aspects. In this context, it aims to provide recent applications for real-world improvements making life easier and more sustainable for especially humans. The book targets the researchers, degree students, and practitioners from both academia and the industry.

## **Computational Topology** - Herbert Edelsbrunner 2010

Combining concepts from topology and algorithms, this book delivers what its title promises: an introduction to the field of computational topology. Starting with motivating problems in both mathematics and computer science and building up from classic topics in geometric and algebraic topology, the third part of the text advances to persistent homology. This point of view is critically important in turning a mostly theoretical field of mathematics into one that is relevant to a multitude of disciplines in the sciences and engineering. The main approach is the discovery of topology through algorithms. The book is ideal for teaching a graduate or advanced undergraduate course in computational topology, as it develops all the background of both the mathematical and algorithmic aspects of the subject from first principles. Thus the text could serve equally well in a course taught in a mathematics department or computer science department.

## **Very Bad Things** - Ilsa Madden-Mills 2013-09-10

Born into a life of privilege and secrets, Nora Blakely has everything any nineteen-year-old girl could desire. She's an accomplished pianist, a Texas beauty queen, and on her way to Princeton after high school. She's perfect... Leaving behind her million dollar mansion and Jimmy Choos, she becomes a girl hell-bent on pushing the limits with alcohol, drugs, and meaningless sex. Then she meets her soulmate. But he doesn't want her. When it comes to girls, twenty-five-year old Leo Tate has one rule: never fall in love. His gym and his brother are all he cares about...until he meets Nora. He resists the pull of their attraction, hung up on their six year age difference. As they struggle to stay away from each other, secrets will be revealed, tempers will flare, and hearts will be broken. Welcome to Briarcrest Academy...where sometimes, the best things in life are Very Bad Things.

## **Come Back to Me** - Mila Gray 2015-12-08

In this heart-wrenching tale of love and loss, a young Marine and his best friend's sister plunge into a forbidden love affair while he's home on leave. When a Marine Chaplain knocks on her door, Jessa's heart breaks—someone she loves is dead. Killed in action, but is it Riley or Kit? Her brother or her boyfriend... Three months earlier, Marine Kit Ryan finds himself back home on leave and dangerously drawn to his best friend Riley's sister, Jessa—the one girl he can't have. Exhausted from fighting his feelings, Kit finally gives in, and Jessa isn't strong enough to resist diving headfirst into a passionate relationship. But what was just supposed to be a summer romance develops into something far greater than either of them expected. Jessa's finally found the man of her dreams and Kit's finally discovered there's someone he'd sacrifice everything for. When it's time for Kit to redeploy, neither one is ready to say goodbye. Jessa vows to wait for him and Kit promises to come home to her. No matter what. But as Jessa stands waiting for the Marine Chaplain to break her heart, she can't help but feel that Kit has broken his promise... Riley or Kit? Kit or Riley? Her brother or her boyfriend? Who's coming home to her?

## **Encyclopedia of General Science for General Competitions** - Siddharth Mukherji 2021-03-25

1. Only book based on NCERT Textbooks of Science 2. In-Line with analysis of Competitive Exams papers 3. Explanation to everyday Science Phenomena 4. Coverage of Previous papers in a Chapterwise manner 5. More than 2000 MCQs are given for the quick revision The book "Encyclopedia of General Science" has been prepared after analysis the

recent pattern of competitive exams like SSC, UPSC & State Level PCS, etc. serving as an ideal book for competitive examinations. It is the only book which is based on NCERT of Science covering all their major sections like physics, chemistry, biology, space science, etc., in a student friendly manner which can be studied by all students including non-science. Besides all the theories, this book focuses on the practice part too, with more than 2000 MCQs are provided for the quick revision. Previous Years' Question Papers are provided in a Chapterwise manner for thorough practice. At the end of every section appendix given that covers glossary, branches and other important information of each section. TABLE OF CONTENT Physics, Chemistry, Biology, Computer & IT

**Jasper's Basic Mechanisms of the Epilepsies** - Jeffrey Noebels  
2012-06-01

H.H. Jasper, A.A. Ward, A. Pope and H.H. Merritt, chair of the Public Health Service Advisory Committee on the Epilepsies, National Institutes of Health, published the first volume on Basic Mechanisms of the Epilepsies (BME) in 1969. Their ultimate goal was to search for a "better understanding of the epilepsies and seek more rational methods of their prevention and treatment." Since then, basic and clinical researchers in epilepsy have gathered together every decade and a half with these goals in mind -- assessing where epilepsy research has been, what it has accomplished, and where it should go. In 1999, the third volume of BME was named in honor of H.H. Jasper. In line with the enormous expansion in the understanding of basic epilepsy mechanisms over the past four decades, this fourth edition of Jasper's BME is the most ambitious yet. In 90 chapters, the book considers the role of interactions between neurons, synapses, and glia in the initiation, spread and arrest of seizures. It examines mechanisms of excitability, synchronization, seizure susceptibility, and ultimately epileptogenesis. It provides a framework for expanding the epilepsy genome and understanding the complex heredity responsible for common epilepsies as it explores disease mechanisms of ion channelopathies and developmental epilepsy genes. It considers the mechanisms of conditions of epilepsy comorbidities. And, for the first time, this 4th edition describes the current efforts to translate the discoveries in epilepsy disease mechanisms into new therapeutic strategies. This book, considered the 'bible' of basic epilepsy research, is essential for the student, the clinician scientist and all research scientists who conduct laboratory-based experimental epilepsy research using cellular, brain slice and animal models, as well as for those interested in related disciplines of neuronal oscillations, network plasticity, and signaling in brain structures that include the cortex, hippocampus, and thalamus. In keeping with the 1969 goals, the book is now of practical importance to the clinical neurologist and epileptologist as the progress of research in molecular genetics and modern efforts to design antiepileptic drugs, cures and repairs in the epilepsies converge and impact clinical care.

**The ESD Control Program Handbook** - Jeremy M. Smallwood  
2020-11-09

Provides the understanding and practical skills needed to develop and maintain an effective ESD control program for manufacturing, storage, and handling of ESD sensitive components This essential guide to ESD control programs explains the principles and practice of ESD control in an easily accessible way whilst also providing more depth and a wealth of references for those who want to gain a deeper knowledge of the subject. It describes static electricity and ESD principles such as triboelectrification, electrostatic fields, and induced voltages, with the minimum of theory or mathematics. It is designed for the reader to "dip into" as required, rather than need to read cover to cover. The ESD Control Program Handbook begins with definitions and commonly used terminology, followed by the principles of static electricity and ESD control. Chapter 3 discusses ESD susceptible electronic devices, and how ESD susceptibility of a component is measured. This is followed by the "Seven habits of a highly effective ESD program", explaining the essential activities of an effective ESD control program. While most texts mainly address manual handling of ESD susceptible devices, Chapter 5 extends the discussion to ESD control in automated systems, processes and handling, which form a major part of modern electronic manufacture. Chapter 6 deals with requirements for compliance given by the IEC 61340-5-1 and ANSI/ESD S20.20 ESD control standards. Chapter 7 gives an overview of the selection, use, care and maintenance of equipment and furniture commonly used to control ESD risks. The chapter explains how these often work together as part of a system and must be specified with that in mind. ESD protective packaging is available in an extraordinary range of forms from bags, boxes and bubble

wrap to tape and reel packaging for automated processes. The principles and practice of this widely misunderstood area of ESD control are introduced in Chapter 8. The thorny question of how to evaluate an ESD control program is addressed in Chapter 9 with a goal of compliance with a standard as well as effective control of ESD risks and possible customer perceptions. Whilst evaluating an existing ESD control program provides challenges, developing an ESD control program from scratch provides others. Chapter 10 gives an approach to this. Standard test methods used in compliance with ESD control standards are explained and simple test procedures given in Chapter 11. ESD Training has long been recognised as essential in maintaining effective ESD control. Chapter 12 discusses ways of covering essential topics and how to demonstrate static electricity in action. The book ends with a look at where ESD control may go in the near future. The ESD Control Program Handbook: Gives readers a sound understanding of the subject to analyze the ESD control requirements of manufacturing processes, and develop an effective ESD control program Provides practical knowledge, as well as sufficient theory and background to understand the principles of ESD control Teaches how to track and identify how ESD risks arise, and how to identify fitting means for minimizing or eliminating them Emphasizes working with modern ESD control program standards IEC 61340-5-1 and ESD S20:20 The ESD Control Program Handbook is an invaluable reference for anyone tasked with setting up, evaluating, or maintaining an effective ESD control program, training personnel, or making ESD control related measurements. It would form an excellent basis for a University course on the subject as well as a guide and resource for industry professionals.

**Sterile Insect Technique** - Victor A. Dyck 2021-01-05

The sterile insect technique (SIT) is an environment-friendly method of pest control that integrates well into area-wide integrated pest management (AW-IPM) programmes. This book takes a generic, thematic, comprehensive, and global approach in describing the principles and practice of the SIT. The strengths and weaknesses, and successes and failures, of the SIT are evaluated openly and fairly from a scientific perspective. The SIT is applicable to some major pests of plant-, animal-, and human-health importance, and criteria are provided to guide in the selection of pests appropriate for the SIT. In the second edition, all aspects of the SIT have been updated and the content considerably expanded. A great variety of subjects is covered, from the history of the SIT to improved prospects for its future application. The major chapters discuss the principles and technical components of applying sterile insects. The four main strategic options in using the SIT — suppression, containment, prevention, and eradication — with examples of each option are described in detail. Other chapters deal with supportive technologies, economic, environmental, and management considerations, and the socio-economic impact of AW-IPM programmes that integrate the SIT. In addition, this second edition includes six new chapters covering the latest developments in the technology: managing pathogens in insect mass-rearing, using symbionts and modern molecular technologies in support of the SIT, applying post-factory nutritional, hormonal, and semiochemical treatments, applying the SIT to eradicate outbreaks of invasive pests, and using the SIT against mosquito vectors of disease. This book will be useful reading for students in animal-, human-, and plant-health courses. The in-depth reviews of all aspects of the SIT and its integration into AW-IPM programmes, complete with extensive lists of scientific references, will be of great value to researchers, teachers, animal-, human-, and plant-health practitioners, and policy makers.

**Why We're Polarized** - Ezra Klein 2020-01-28

One of Bill Gates's "5 books to read this summer," this New York Times and Wall Street Journal bestseller shows us that America's political system isn't broken. The truth is scarier: it's working exactly as designed. In this "superbly researched" (The Washington Post) and timely book, journalist Ezra Klein reveals how that system is polarizing us—and how we are polarizing it—with disastrous results. "The American political system—which includes everyone from voters to journalists to the president—is full of rational actors making rational decisions given the incentives they face," writes political analyst Ezra Klein. "We are a collection of functional parts whose efforts combine into a dysfunctional whole." "A thoughtful, clear and persuasive analysis" (The New York Times Book Review), Why We're Polarized reveals the structural and psychological forces behind America's descent into division and dysfunction. Neither a polemic nor a lament, this book offers a clear framework for understanding everything from Trump's rise to the Democratic Party's leftward shift to the politicization of everyday culture.



America is polarized, first and foremost, by identity. Everyone engaged in American politics is engaged, at some level, in identity politics. Over the past fifty years in America, our partisan identities have merged with our racial, religious, geographic, ideological, and cultural identities. These merged identities have attained a weight that is breaking much in our politics and tearing at the bonds that hold this country together. Klein shows how and why American politics polarized around identity in the 20th century, and what that polarization did to the way we see the world and one another. And he traces the feedback loops between polarized political identities and polarized political institutions that are driving our system toward crisis. "Well worth reading" (New York magazine), this is an "eye-opening" (O, The Oprah Magazine) book that will change how you look at politics—and perhaps at yourself.

*Machine Learning in Clinical Neuroscience* - Victor E. Staartjes  
2021-12-03

This book bridges the gap between data scientists and clinicians by introducing all relevant aspects of machine learning in an accessible way, and will certainly foster new and serendipitous applications of machine learning in the clinical neurosciences. Building from the ground up by communicating the foundational knowledge and intuitions first before progressing to more advanced and specific topics, the book is well-suited even for clinicians without prior machine learning experience. Authored by a wide array of experienced global machine learning groups, the book is aimed at clinicians who are interested in mastering the basics of machine learning and who wish to get started with their own machine learning research. The volume is structured in two major parts: The first uniquely introduces all major concepts in clinical machine learning from the ground up, and includes step-by-step instructions on how to correctly develop and validate clinical prediction models. It also includes methodological and conceptual foundations of other applications of machine learning in clinical neuroscience, such as applications of machine learning to neuroimaging, natural language processing, and time series analysis. The second part provides an overview of some state-of-the-art applications of these methodologies. The Machine Intelligence in Clinical Neuroscience (MICN) Laboratory at the Department of Neurosurgery of the University Hospital Zurich studies clinical applications of machine intelligence to improve patient care in clinical neuroscience. The group focuses on diagnostic, prognostic and predictive analytics that aid in decision-making by increasing objectivity and transparency to patients. Other major interests of our group members are in medical imaging, and intraoperative applications of machine vision.

*Silicon Carbide Ceramics* - Andrew J. Ruys 2023-02-01

It has been three decades since the last significant book was published on SiC ceramics (other than those books that specifically focus on SiC semiconductors). Thirty years has been a long time in the world of SiC ceramics. In the early 1990s, SiC was still a relatively obscure ceramic even within the materials community, prominent only as an industrial abrasive (carborundum), and a refractory (Chapter 7). This has all changed dramatically in the 21st century. For example, As a semiconductor, SiC greatly surpasses silicon in performance, especially in high-power systems. Its market penetration since its launch in 2001 has been exponential. Single-crystal SiC semiconductors are covered in Chapter 3 Millions of military and paramilitary personnel have globally been protected with lightweight SiC body armour, since the late 1990s. Body armour is covered in Chapters 4 and 5 SiC-SiC is a composite material close to commercialization that makes possible high-temperature load-bearing applications hitherto only able to be hypothesized: from ultra-high-temperature jet turbine blades to advanced nuclear fuel encapsulation, the possibilities are very promising. Aerospace applications are covered in Chapter 9 Other key areas that are addressed are blast-resistant SiC vehicle/vessel armour in Chapter 8 and wear-resistant SiC ceramics in Chapter 6 Silicon Carbide Ceramics will be an essential reference resource for academic and industrial researchers and materials scientists and engineers working in ceramic materials for the semiconductor, defence, aerospace, wear resistance and refractory fields Presents an extensive review of the history, production and properties of SiC ceramics, including their characterization and applications Discusses classical and state-of-the-art sintering technologies for SiC ceramics Focuses on the future of ceramic manufacturing and advanced ceramic additive technologies

**Proceedings of Second International Conference on Smart Energy and Communication** - Dinesh Goyal 2021-01-04

This book gathers selected papers presented at the 2nd International Conference on Smart Energy and Communication (ICSEC 2020), held at

Poornima Institute of Engineering and Technology, Jaipur, India, on March 20–21, 2020. It covers a range of topics in electronics and communication engineering and electrical engineering, including analog circuit design, image processing, wireless and microwave communication, optoelectronics and photonic devices, nano-electronics, renewable energy, smart grid, power systems and industry applications.

**Gass' Atlas of Macular Diseases E-Book** - Anita Agarwal 2011-11-30  
The Fifth Edition of Gass' Atlas of Macular Diseases, by Dr. Anita Agarwal, provides expert diagnostic guidance on macular disorders and quickly brings you up to date on this evolving specialty. Using a case-based approach, it richly depicts a full range of retina and macular diseases, including new infectious, degenerative, and dystrophic conditions. Take advantage of the latest imaging technologies to identify common and rare disorders, and confirm difficult diagnoses with the aid of more than 5,500 high-quality images. Rely on the same unique, richly illustrated case-descriptive format-encompassing history, clinical examination, and follow-up-that popularized the original book by the late Dr. Donald Gass, the famed ophthalmologist whose clinical expertise set new standards in macular diagnosis. Get expert diagnostic guidance under the new authorship of Dr. Anita Agarwal, a protégé of Dr. Gass who has compiled the ultimate collection of images and hard-to-find case studies from around the world. Visualize the conditions you're likely to see in practice and confirm your diagnoses by comparing your clinical findings to more than 5,500 images and illustrations (over 3,500 in full color). Obtain thorough advice on imaging and recognition of a full range of common and rare macular diseases using the latest approaches including fluorescein angiography, optical coherence tomography (OCT), indocyanine green (ICG), and fundus autofluorescence.

**Science For Ninth Class Part 3 Biology W** - P.S.VERMA

A series of six books for Classes IX and X according to the CBSE syllabus Proceedings of the Third International Conference on Soft Computing for Problem Solving - Millie Pant 2014-07-08

The proceedings of SocProS 2013 serve as an academic bonanza for scientists and researchers working in the field of Soft Computing. This book contains theoretical as well as practical aspects of Soft Computing, an umbrella term for techniques like fuzzy logic, neural networks and evolutionary algorithms, swarm intelligence algorithms etc. This book will be beneficial for the young as well as experienced researchers dealing with complex and intricate real world problems for which finding a solution by traditional methods is very difficult. The different areas covered in the proceedings are: Image Processing, Cryptanalysis, Supply Chain Management, Newly Proposed Nature Inspired Algorithms, Optimization, Problems related to Medical and Health Care, Networking etc.

**Rising Threats in Expert Applications and Solutions** - Vijay Singh Rathore 2020-10-01

This book presents high-quality, peer-reviewed papers from the FICR International Conference on Rising Threats in Expert Applications and Solutions 2020, held at IIS University Jaipur, Rajasthan, India, on January 17–19, 2020. Featuring innovative ideas from researchers, academics, industry professionals and students, the book covers a variety of topics, including expert applications and artificial intelligence/machine learning; advanced web technologies, like IoT, big data, and cloud computing in expert applications; information and cybersecurity threats and solutions; multimedia applications in forensics, security and intelligence; advances in app development; management practices for expert applications; and social and ethical aspects of expert applications in applied sciences.

**Proceedings of International Conference on Computational Intelligence, Data Science and Cloud Computing** - Lopa Mandal 2022-08-17

This book includes selected papers presented at International Conference on Computational Intelligence, Data Science,, and Cloud Computing (IEM-ICDC 2021), organized by the Department of Information Technology Institute of Engineering and Management, Kolkata, India, during December 22 – 24, 2021. It covers substantial new findings about AI and robotics, image processing and NLP, cloud computing and big data analytics as well as in cyber-security, blockchain and IoT, and various allied fields. The book serves as a reference resource for researchers and practitioners in academia and industry. *Multimodal Analysis of User-Generated Multimedia Content* - Rajiv Shah 2017-08-30

This book presents a summary of the multimodal analysis of user-generated multimedia content (UGC). Several multimedia systems and their proposed frameworks are also discussed. First, improved tag

recommendation and ranking systems for social media photos, leveraging both content and contextual information, are presented. Next, we discuss the challenges in determining semantics and sentics information from UGC to obtain multimedia summaries. Subsequently, we present a personalized music video generation system for outdoor user-generated videos. Finally, we discuss approaches for multimodal lecture video segmentation techniques. This book also explores the extension of these multimedia system with the use of heterogeneous continuous streams.

*The Growing Spine* - Behrooz A. Akbarnia 2022

There has been significant progress in the field of spinal disorders in very young children over the past two decades. However, the treatment of such conditions remains challenging due to the age of the patient, different etiologies, associated morbidities and the progressive nature of the deformity. Depending on the etiology of the deformity, these children are often cared for by multiple specialists including pediatricians, pulmonologists, pediatric orthopedists or orthopedic spine surgeons, pediatric surgeons, pediatric neurosurgeons, neurologists and oncologists. Health professionals in all of the mentioned disciplines are involved in the management of these patients, which is why compiling a comprehensive text that is not limited to orthopedic specialists is essential. Since the second edition of this book was published, there has been a significant body of literature that has been published and advances made in the care of young children with spinal and thoracic deformities. This new edition will effectively help to standardize the care of these patients. Furthermore, other professionals, such as nurses, physical therapists and healthcare professionals in training, are usually not familiar with these conditions and are in need of a reference book to consult when caring for young children with spinal deformities. Sections are arranged thematically and comprise a comprehensive presentation of the current knowledge on disorders of the growing spine. After opening sections discussing general considerations and patient evaluation and diagnosis, subsequent sections describe the various categories of spinal deformity - idiopathic, congenital, neuromuscular, syndromic, and others - followed by surgical and non-surgical management strategies, both traditional and growth-friendly. Concluding sections address patient care and outcomes and outline future directions for research and practice.

**Socio-Tech Innovation** - Latha Poonamallee 2020-04-25

This book defines socio-technological innovation and lays out different aspects of technology innovation and adoption literature as applied to socio-tech innovation and entrepreneurship. Socio-tech innovation refers to novel solutions that involve development or adoption of technological innovations to address social and/or environmental problems with a view towards creating benefit for the larger whole rather than just for the owners or investors. Unlike conventional technological innovation, socio-tech innovation either develops a product specifically for underserved markets and adopts a model in which the market is not an afterthought but the *raison d'être*. Social ventures have not been as successful in scaling up, though technology innovation-led ventures have; therefore, meaningful actionable insights that can help social ventures scale up successfully can be gleaned by this process. This book offers researchers in innovation and entrepreneurship programs a unique and interdisciplinary approach to studying social innovation that is grounded in technology innovation. This book features a series of socio-tech venture cases that illustrate these dynamics and can be used in undergraduate and graduate courses.

[Plant Health Under Biotic Stress](#) - Rizwan Ali Ansari 2019-03-30

The current scenario of increasing sensitivity towards the sustainable agriculture has given a large space to extensively utilize natural resources that are environmental friendly and are a good replacement of chemicals in agriculture. Application of organic additives in the sustainable disease management can provide new insight in sustenance of plant productivity along with improved host stress tolerance. In the present book we have focussed upon a range of organic strategies to control plant pathogens of wide spectrum in addition to maintaining robust plant health. A detailed account on the application of organic additives has been discussed, irrespective of their origin and nature. In addition, the methods of utilising these organic supplements in the management of plant diseases and promotion of plant yield in more economic way have also been presented with reference to developing, underdeveloped and developed countries. The book has included the works of eminent scholars from across the world thus flashing light on the key literature related to application of organic matters including phytoextracts, chopped leaves, composted organic manures and liquid manures in eco-friendly agriculture. The mechanisms underlying the

effectiveness of these organic amendments in promoting plant health has also been presented and discussed in understandable ways.

**Big Data** - Rajkumar Buyya 2016-06-07

Big Data: Principles and Paradigms captures the state-of-the-art research on the architectural aspects, technologies, and applications of Big Data. The book identifies potential future directions and technologies that facilitate insight into numerous scientific, business, and consumer applications. To help realize Big Data's full potential, the book addresses numerous challenges, offering the conceptual and technological solutions for tackling them. These challenges include life-cycle data management, large-scale storage, flexible processing infrastructure, data modeling, scalable machine learning, data analysis algorithms, sampling techniques, and privacy and ethical issues. Covers computational platforms supporting Big Data applications Addresses key principles underlying Big Data computing Examines key developments supporting next generation Big Data platforms Explores the challenges in Big Data computing and ways to overcome them Contains expert contributors from both academia and industry

*Conserving Fortified Heritage* - Rima Hooja 2016-09-23

This book is a compilation of papers presented at the first international conference on 'Challenges Faced in Interpretation and Site Management in Fortifications and World Heritage', organised jointly by ICOFORT India, the National Scientific Committee on Fortifications and Military Heritage of the International Council on Monuments and Sites (ICOMOS) India, ICOFORT International Scientific Committee, the World Monuments Fund, the School of Planning and Architecture, Bhopal, UNESCO, and the DRONAH Foundation held in February 2015. It brought together a team of international and national experts, architects and scholars who shared their experiences and opinions, and looked at possible solutions to the problems faced in site management and interpretation of fortifications. Structured as per conference sessions, the book provides a preface based on the ICOFORT Charter, and is divided into three sections: namely, Classifying Fortified Heritage; Conservation and Management Challenges in Forts; and Interpretation and Tourism Challenges in Forts. The book will appeal to both a national and international audience, composed primarily of heritage experts, architects, archivists, students of architecture, ICOMOS members, and scholars with a focus on fortifications and world heritage.

[Political Theory](#) - RC Agarwal 2004-12

Comprehensively written, this book presents the political theories, concepts, analysis, thoughts and main currents. The book begins with introduction to political theory, its history, evolution & approaches while also discussing forms & organs of Government. It progresses to discuss contemporary political analysis in light of American concepts and main currents of Political Thought in detail. This book would be extremely useful for the students pursuing BA Political Science.

**Computer Science** -

**A Field of One's Own** - Bina Agarwal 1994

This is the first major study of gender and property in South Asia. In a pioneering and comprehensive analysis Bina Agarwal argues that the single most important economic factor affecting women's situation is the gender gap in command over property. In rural South Asia, the most significant form of property is arable land, a critical determinant of economic well-being, social status, and empowerment. But few women own land; fewer control it. Drawing on a vast range of interdisciplinary sources and her own field research, and tracing regional variations across five countries, the author investigates the complex barriers to women's land ownership and control, and how they might be overcome. The book makes significant and original contributions to theory and policy concerning land reforms, 'bargaining' and gender relations, women's status, and the nature of resistance.

**Macleod's Clinical Examination E-Book** - Graham Douglas 2013-06-21

This classic textbook sets out clearly and concisely how to evaluate symptoms and elicit relevant physical signs. It describes the practical skills which every clinician must acquire and develop in order to evolve diagnostic procedures and management strategies and plans. 'Highly Commended' in the 2006 and 2010 BMA Medical Book Competitions, this Thirteenth Edition contains over 500 clinical photographs and diagrams to illustrate the text, with new topics added to make the book even more comprehensive. This Thirteenth Edition has four sections: History taking and general examination. System examination covering symptoms and signs. Examination in special situations including babies & children and the critically ill. How to pass an OSCE. Included on the Student Consult



site are the specially-recorded videos demonstrating many of the clinical examination routines described in the main text. The book starts with a general overview section on history taking and the general examination that provide the framework on which to hang the detail. The systematic examination section documents clearly the relevant history, examination and special investigations as well as giving advice on their significance. The third section covers examination in specific situations and emphasises an integrated and structured approach to these patients. A final section spells out how to demonstrate the techniques learned in the book in an OSCE. Macleod's is closely linked to its sister publication, Davidson's Principles & Practice of Medicine, which complements the information in this text. Available with full online access on Student Consult and ancillary videos demonstrating key clinical examination routines following the format laid out in the book. There are two new chapters on examination in specific situations: The frail elderly The adult with fever A new section explicitly spells out how to demonstrate the techniques learned in the book in an OSCE and other formative and summative examinations. Over 50 new text boxes highlight the evidence-base for the examination techniques discussed. An Advisory Board of students, junior doctors, and representatives from the nursing, ambulance, Primary Care and academic communities from six countries has made detailed comments and critically appraised the entire book. The text has been substantially rewritten with more on medically unexplained symptoms in the History Taking chapter and extended coverage of diabetes mellitus in the Endocrine System chapter. Integrated with the online text are clinical examination videos of trained professionals performing many of the examination routines described in the book with an accompanying commentary by the Editor, Professor Colin Robertson Two new videos show how the Glasgow Coma Scale should be performed in clinical situations, demonstrating the correct techniques and also common pitfalls in using the GCS.

**Introduction to Multi-Armed Bandits** - Aleksandrs Slivkins  
2019-10-31

Multi-armed bandits is a rich, multi-disciplinary area that has been studied since 1933, with a surge of activity in the past 10-15 years. This is the first book to provide a textbook like treatment of the subject.

*Michael Curtiz* - Alan K. Rode 2017-11-17

Academy Award-winning director Michael Curtiz (1886--1962) -- whose best-known films include *Casablanca* (1942), *Yankee Doodle Dandy* (1942), *Mildred Pierce* (1945) and *White Christmas* (1954) -- was in many ways the anti-auteur. During his unprecedented twenty-seven year tenure at Warner Bros., he directed swashbuckling adventures, westerns, musicals, war epics, romances, historical dramas, horror films, tearjerkers, melodramas, comedies, and film noir masterpieces. The director's staggering output of 180 films surpasses that of the legendary John Ford and exceeds the combined total of films directed by George Cukor, Victor Fleming, and Howard Hawks. In the first biography of this colorful, instinctual artist, Alan K. Rode illuminates the life and work of one of the film industry's most complex figures. He begins by exploring the director's early life and career in his native Hungary, revealing how Curtiz shaped the earliest days of silent cinema in Europe as he acted in, produced, and directed scores of films before immigrating to the United States in 1926. In Hollywood, Curtiz earned a reputation for his explosive tantrums, his difficulty communicating in English, and his disregard for the well-being of others. However, few directors elicited more memorable portrayals from their casts, and ten different actors delivered Oscar-nominated performances under his direction. In addition to his study of the director's remarkable legacy, Rode investigates Curtiz's dramatic personal life, discussing his enduring creative partnership with his wife, screenwriter Bess Meredyth, as well as his numerous affairs and children born of his extramarital relationships. This meticulously researched biography provides a nuanced understanding of one of the most talented filmmakers of Hollywood's golden age.

**Euro-Par 2014: Parallel Processing** - Fernando Silva 2014-08-11

This book constitutes the refereed proceedings of the 20th International Conference on Parallel and Distributed Computing, Euro-Par 2014, held in Porto, Portugal, in August 2014. The 68 revised full papers presented were carefully reviewed and selected from 267 submissions. The papers are organized in 15 topical sections: support tools environments; performance prediction and evaluation; scheduling and load balancing; high-performance architectures and compilers; parallel and distributed data management; grid, cluster and cloud computing; green high performance computing; distributed systems and algorithms; parallel and distributed programming; parallel numerical algorithms; multicore and manycore programming; theory and algorithms for parallel computation;

high performance networks and communication; high performance and scientific applications; and GPU and accelerator computing.

*Advanced Methodologies and Technologies in Artificial Intelligence, Computer Simulation, and Human-Computer Interaction* - Khosrow-Pour, D.B.A., Mehdi 2018-09-28

As modern technologies continue to develop and evolve, the ability of users to adapt with new systems becomes a paramount concern. Research into new ways for humans to make use of advanced computers and other such technologies through artificial intelligence and computer simulation is necessary to fully realize the potential of tools in the 21st century. *Advanced Methodologies and Technologies in Artificial Intelligence, Computer Simulation, and Human-Computer Interaction* provides emerging research in advanced trends in robotics, AI, simulation, and human-computer interaction. Readers will learn about the positive applications of artificial intelligence and human-computer interaction in various disciplines such as business and medicine. This book is a valuable resource for IT professionals, researchers, computer scientists, and researchers invested in assistive technologies, artificial intelligence, robotics, and computer simulation.

*Bhujia Barons* - Pavitra Kumar 2016-08-01

How a family-run business from humble Bikaner transformed Haldiram into a global, much-loved brand In the early twentieth century, a young man, Ganga Bhishan Agarwal, aka Haldiram, gained a reputation for making the best bhujia in town. Fast-forward a century and the Haldiram's empire has revenue much greater than that of McDonald's and Domino's combined. In *Bhujia Barons*, Pavitra Kumar tells the riveting story of the Agarwal family in its entirety—a feat never managed before. It begins in dusty, benign Bikaner and traces the rise and rise of this home-grown label, now one of the most-recognized Indian brands in the world. The Haldiram's story is not an average business story—it's chock-full of family drama, with court cases, jealousy-fuelled regional expansion, a decades-old trademark battle, and a closely guarded family secret of the famous bhujia. Fast-paced and captivating, this book provides a delicious look into family business dynamics and the Indian way of doing business.

**Cognitive Radio Communication and Networking** - Robert Caiming Qiu 2012-09-10

The author presents a unified treatment of this highly interdisciplinary topic to help define the notion of cognitive radio. The book begins with addressing issues such as the fundamental system concept and basic mathematical tools such as spectrum sensing and machine learning, before moving on to more advanced concepts and discussions about the future of cognitive radio. From the fundamentals in spectrum sensing to the applications of cognitive algorithms to radio communications, and discussion of radio platforms and testbeds to show the applicability of the theory to practice, the author aims to provide an introduction to a fast moving topic for students and researchers seeking to develop a thorough understanding of cognitive radio networks. Examines basic mathematical tools before moving on to more advanced concepts and discussions about the future of cognitive radio Describe the fundamentals of cognitive radio, providing a step by step treatment of the topics to enable progressive learning Includes questions, exercises and suggestions for extra reading at the end of each chapter Topics covered in the book include: Spectrum Sensing: Basic Techniques; Cooperative Spectrum Sensing Wideband Spectrum Sensing; Agile Transmission Techniques: Orthogonal Frequency Division Multiplexing Multiple Input Multiple Output for Cognitive Radio; Convex Optimization for Cognitive Radio; Cognitive Core (I): Algorithms for Reasoning and Learning; Cognitive Core (II): Game Theory; Cognitive Radio Network IEEE 802.22: The First Cognitive Radio Wireless Regional Area Network Standard, and Radio Platforms and Testbeds.

*The Journal of the Indian Mathematical Society* - Indian Mathematical Society 1909

Vols. for 1923-32 include separately paged sections: "Notes and questions" and "Progress report."

**Anusual: Memoir of a Girl Who Came Back from the Dead** - Anu Aggarwal 2015-07-18

Anusual is the story of Anu Aggarwal, the dusky Delhi girl who went to Bombay and became an international model, and then a star with her very first Bollywood movie, *Aashiqui*, only to chuck it all up and join a yogashram. Coming back to Bombay, she was involved in a horrifying car crash that put her in a coma for twenty-nine days. Miraculously, the girl who broke into a million pieces recovered, and put the pieces of her life back together, first taking sanyas and then returning to Bombay to teach yoga. This fascinating story of a woman's self-discovery, a near-death

experience and amazing recovery is told in a straight-from-the-heart, unbuttoned style, including details of the men in her life, from millionaire jet-setters to superyogis. In the end, as she says, love is all there is.

**Objective Arithmetic: Numerical Ability Tests for Competitive Examinations** - R. S. Aggarwal 1990