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Artificial Intelligence and Games-Georgios N. Yannakakis 2018-02-17 This is the first textbook dedicated to explaining how artificial intelligence (AI) techniques can be used in and for games. After introductory chapters that explain the background and key techniques in AI and games, the authors explain how to use AI to play games, to generate content for games and to model players. The book will be suitable for undergraduate and graduate courses in games, artificial intelligence, design, human-computer interaction, and computational intelligence, and also for self-study by industrial game developers and practitioners. The authors have developed a website (<http://www.gamebook.org>) that complements the material covered in the book with up-to-date exercises, lecture slides and reading.

Trace Elements in Obstetrics and Gynecology-Naira Roland Matevosyan, Dr 2013-02-10 A trace element (TE) is a chemical element presented below –0.1 wt. % and required in minute quantities to maintain proper physical functioning. TE analysis in clinical samples (plasma, urine, cerebro-spinal fluid, full-term placenta, hair, nails, buccal mucosa, semen, biopsy specimens) has received increasing attention. Based on 62 sources, current effort presents comparative knowledge about the attempts to accurately trace TE in clinical samples through Vis/NIR, PIXE, TXRF, GFAAS, ICP-MS. It informs the need for further research adjustments to reveal the reciprocal states of certain TE (Cu/Zn, Ca/Mg, Fe/ Pb) in correlation with their real-time counts in both maternal and neonatal umbilical cord plasma, and in relation to augmented oxidative stress. This would help to achieve consistency in interpreting obstetrical complications (preclampsia, prematurity, or gestational diabetes). Generated hypotheses should target plausible mechanisms behind TE alterations and their stage-sensitive measures in gynecological cancer. New prospects are discussed in management and prognosis of endometriosis and premature ovarian failure (POF).

Computational Intelligence in Music, Sound, Art and Design-Anikó Ekárt 2019-04-10 This book constitutes the refereed proceedings of the 8th International Conference on Evolutionary Computation in Combinatorial Optimization, EvoMUSART 2019, held in Leipzig, Germany, in April 2019, co-located with the Evo*2019 events EuroGP, EvoCOP and EvoApplications. The 16 revised full papers presented were carefully reviewed and selected from 24 submissions. The papers cover a wide range of topics and application areas, including: visual art and music generation, analysis, and interpretation; sound synthesis; architecture; video; poetry; design; and other creative tasks. Digital Kenya-Bitange Ndemo 2016-11-18 This book is open access under a CC BY 4.0 license. Presenting rigorous and original research, this volume offers key insights into the historical, cultural, social, economic and political forces at play in the creation of world-class ICT innovations in Kenya. Following the arrival of fiber-optic cables in 2009, Digital Kenya examines why the initial entrepreneurial spirit and digital revolution has begun to falter despite support from motivated entrepreneurs, international investors, policy experts and others. Written by engaged scholars and professionals in the field, the book offers 15 eye-opening chapters and 14 one-on-one conversations with entrepreneurs and investors to ask why establishing ICT start-ups on a continental and global scale remains a challenge on the “Silicon Savannah”. The authors present evidence-based recommendations to help Kenya to continue producing globally impactful ICT innovations that improve the lives of those still waiting on the side-lines, and to inspire other nations to do the same.

Office 2013: The Missing Manual-Nancy Conner 2013-05-22 Microsoft Office is the most widely used productivity software in the world, but most people just know the basics. This helpful guide gets you started with the programs in Office 2013, and provides lots of power-user tips and tricks when you’re ready for more. You’ll learn about Office’s new templates and themes, touchscreen features, and other advances, including Excel’s Quick Analysis tool. The important stuff you need to know: Create professional-looking documents. Use Word to craft reports, newsletters, and brochures for the Web and desktop. Stay organized. Set up Outlook to track your email, contacts, appointments, and tasks. Work faster with Excel. Determine the best way to present your data with the new Quick Analysis tool. Make inspiring presentations. Build PowerPoint slideshows with video and audio clips, charts and graphs, and animations. Share your Access database. Design a custom database and let other people view it in their web browsers. Get to know the whole suite. Use other handy Office tools: Publisher, OneNote, and a full range of Office Web Apps. Create and share documents in the cloud. Upload and work with your Office files in Microsoft’s SkyDrive.

Transitional Care in Osteogenesis Imperfecta-Peter Smith 2010-09-10

Artificial Intelligence in Music, Sound, Art and Design-Juan Romero 2020 This book constitutes the refereed proceedings of the 9th European Conference on Artificial Intelligence in Music, Sound, Art and Design, EvoMUSART 2020, held as part of Evo*2020, in Seville, Spain, in April 2020, co-located with the Evo*2020 events EuroGP, EvoCOP and EvoApplications. The 15 revised full papers presented were carefully reviewed and selected from 31 submissions. The papers cover a wide spectrum of topics and application areas, including generative approaches to music and visual art, deep learning, and architecture. Optimization for Machine Learning-Suvrit Sra 2012 An up-to-date account of the interplay between optimization and machine learning, accessible to students and researchers in both communities. The interplay between optimization and machine learning is one of the most important developments in modern computational science. Optimization formulations and methods are proving to be vital in designing algorithms to extract essential knowledge from huge volumes of data. Machine learning, however, is not simply a consumer of optimization technology but a rapidly evolving field that is itself generating new optimization ideas. This book captures the state of the art of the interaction between optimization and machine learning in a way that is accessible to researchers in both fields. Optimization approaches have enjoyed prominence in machine learning because of their wide applicability and attractive theoretical properties. The increasing complexity, size, and variety of today’s machine learning models call for the reassessment of existing assumptions. This book starts the process of reassessment. It describes the resurgence in novel contexts of established frameworks such as first-order methods, stochastic approximations, convex relaxations, interior-point methods, and proximal methods. It also devotes attention to newer themes such as regularized optimization, robust optimization, gradient and subgradient methods, splitting techniques, and second-order methods. Many of these techniques draw inspiration from other fields, including operations research, theoretical computer science, and subfields of optimization. The book will enrich the ongoing cross-fertilization between the machine learning community and these other fields, and within the broader optimization community.

Fiberglass Boat Restoration-Captain Wayne Canning 2017-08-15 How to select a boat, plan your project, finish the job, and actually head for the water. Over the past thirty to forty years boat builders, large and small, have produced tens of thousands of fiberglass boats. Many now sit abandoned, waiting for some tender care to get back on the water where they belong. Fiberglass unlike many other types of boatbuilding materials does not rot, rust, or break down over the years. Many people have realized this, of course, and have started what they think will be an easy project. They were wrong, and many well-intentioned renovations sit abandoned. Whatever the reason for wanting to take on the restoration of a project boat, proper planning and organization can make the difference between success and failure. Fiberglass Boat Restoration is about how to plan, organize and successfully complete a project boat restoration. It will explain why it is important to put your efforts and resources into some areas and not others. It contains valuable information about what to look for when considering the purchase of a project boat. Although the focus of the book is fiberglass, the information will be useful to anyone undertaking the building or restoration of any boat.

Aquatic Dicotyledons of North America-Donald H. Les 2017-09-01 Aquatic Dicotyledons of North America: Ecology, Life History, and Systematics brings together a wealth of information on the natural history, ecology, and systematics of North American aquatic plants. Most books on aquatic plants have a taxonomic focus and are intended primarily for identification. Instead, this book provides a comprehensive overview of the biology of major aquatic species by compiling information from numerous sources that lie scattered among the primary literature, herbarium databases, and other reference materials. Included dicotyledon species are those having an obligate (OBL) wetland status, a designation used in the USACE National Wetland Plant List. Recent phylogenetic analyses are incorporated and rationale is provided for interpreting this information with respect to species relationships. This diverse assemblage of information will be useful to a wide range of interests including academic researchers, wildlife managers, students, and virtually anyone interested in the natural history of aquatic and wetland plants. Although focusing specifically on North America, the cosmopolitan distribution of many aquatic plants should make this an attractive text to people working virtually anywhere outside of the region as well. This book is an essential resource for assisting with wetland delineation.

The Elements of Boat Strength: For Builders, Designers, and Owners-Dave Gerr 1999-08-31 “This work is significant. It is the first to include a method of assessing structural strength in the context of the modern marine environment.” --Commander M. C. Cruder, U.S. Coast Guard Accredited author and naval architect Dave Gerr created this unique system of easy-to-use scanning rules and rules-of-thumb for calculating the necessary dimensions, or scantlings, of hulls, decks, and other boat parts, whether built of fiberglass, wood, wood-epoxy composite, steel, or aluminum. In addition to the rules themselves, The Elements of Boat Strength offers their context: an in-depth, plain-English discussion of boatbuilding materials, methods, and practices that will guide you through all aspects of boat construction. Now you can avoid wading through dense technical engineering manuals or tackling advanced mathematics. The Elements of Boat Strength has all the formulas, tables, illustrations, and charts you need to judge how heavy each piece of your boat should be in order to last and be safe. With this book, an inexpensive scientific calculator, and a pad of paper, you’ll be able to design and specify all the components necessary to build a sound, long-lasting, rugged vessel. What reviewers have said about Dave Gerr’s books: Propeller Handbook “By far the best book available on the subject.”--Sailing “The best layman’s guide we’ve ever read.”--Practical Sailor Dave Gerr and International Marine made a complicated topic understandable and put it into a handbook that is easy to use.”--WoodenBoat “Without doubt the definitive reference for selecting, installing, and understanding boat propellers.”--Royal Navy Sailing Association Journal The Nature of Boats “If you are not naughtily obsessed before reading this book, you will most certainly be afterward.”--Sailing Fascinating potpourri of information about today’s boats, modern and traditional.”--WoodenBoat Applications of Evolutionary Computation-Paul Kaufmann 2019-06-01 This book constitutes the refereed proceedings of the 22nd International Conference on Applications of Evolutionary Computation, EvoApplications 2019, held in Leipzig, Germany, in April 2019, co-located with the Evo*2019 events EuroGP, EvoCOP and EvoMUSART. The 44 revised full papers presented were carefully reviewed and selected from 66 submissions. They were organized in topical sections named: Engineering and Real World Applications; Games; General; Image and Signal Processing; Life Sciences; Networks and Distributed Systems; Neuroevolution and Data Analytics; Numerical Optimization; Theory, Benchmarks, and Applications; Robotics.

Pan-genomics: Applications, Challenges, and Future Prospects-Debmalya Barh 2020-03-06 Pan-genomics: Applications, Challenges, and Future Prospects covers current approaches, challenges and future prospects of pan-genomics. The book discusses bioinformatics tools and their applications and focuses on bacterial comparative genomics in order to leverage the development of precise drugs and treatments for specific organisms. The book is divided into three sections: the first, an “overview of pan-genomics and common approaches, brings the main concepts and current approaches on pan-genomics research; the second, “case studies in pan-genomics, thoroughly discusses twelve case, and the last, “current approaches and future prospects in pan-multomics , encompasses the developments on omics studies to be applied on bacteria related studies. This book is a valuable source for bioinformaticians, genomics researchers and several members of biomedical field interested in understanding further bacterial organisms and their relationship to human health. Covers the entire spectrum of pangenomics, highlighting the use of specific approaches, case studies and future perspectives Discusses current bioinformatics tools and strategies for exploiting pangenomics data Presents twelve case studies with different organisms in order to provide the audience with real examples of pangenomics applicability

Innovations in Biomedical Engineering-Marek Gzik 2020-10-10 This book presents a compact study on recent concepts and advances in biomedical engineering. The ongoing advancement of civilization and related technological innovations are increasingly affecting many aspects of our lives. These changes are also visible in the development and practical application of new methods for medical diagnosis and treatment, which in turn are closely linked to expanding knowledge of the functions of the human body. This development is possible primarily due to the increasing cooperation of scientists from various disciplines, and related activities are referred to as “biomedical engineering.” The combined efforts of doctors, physiotherapists and engineers from various fields of science have helped achieve dynamic advances in medicine that would have been impossible in the past. The reader will find here papers on biomaterials, biomechanics, as well as the use of information technology and engineering modeling methods in medicine. The respective papers will promote the development of biomedical engineering as a vital field of science, based on cooperation between doctors, physiotherapists and engineers. The editors would like to thank all the people who contributed to the creation of this book - both the authors, and those involved in technical aspects.

The NeurIPS ‘18 Competition-Sergio Escalera 2019-11-29 This volume presents the results of the Neural Information Processing Systems Competition track at the 2018 NeurIPS conference. The competition follows the same format as the 2017 competition track for NIPS. Out of 21 submitted proposals, eight competition proposals were selected, spanning the area of Robotics, Health, Computer Vision, Natural Language Processing, Systems and Physics. Competitions have become an integral part of advancing state-of-the-art in artificial intelligence (AI). They exhibit one important difference to benchmarks: Competitions test a system end-to-end rather than evaluating only a single component; they assess the practicability of an algorithmic solution in addition to assessing feasibility. The eight run competitions aim at advancing the state of the art in deep reinforcement learning, adversarial learning, and auto machine learning, among others, including new applications for intelligent agents in gaming and conversational settings, energy physics, and prosthetics.

Exquisite Redemption-Ann Mayburn 2015-12-05 Sarah In my wild, reckless past Carlos ‘Beach’ Rodriguez would have been my ideal man. He’s handsome, experienced, rich, kind, and in complete control of his destiny. Unfortunately he’s also a criminal, the President of an outlaw motorcycle club, and I’ve sworn off bad boys in my efforts to live my dream of being normal. He would be so much easier to resist him if he hadn’t saved my life more than once and didn’t treat me like his queen. Beach Gorgeous, smart, and deadly, Sarah is my ideal woman, even if she is almost young enough to be my daughter. On the surface she’s one of the toughest females I’ve ever met, but underneath all that hard beauty and menace lies an incredibly tender heart that’s been damaged in the past. Winning her love is gonna be a challenge, but I’m determined to have her as my old lady and I’ll do whatever I have to in order to make that happen. That would be a hell of a lot easier to do if people weren’t trying to kill us all the time.

Learning, Food, and Sustainability-Jennifer Sumner 2016-09-14 This edited volume explores the intersection of learning and food, both within and beyond the classroom, all within the context of sustainability. Taking a broad pedagogical approach to the question of food, it focuses on learning and change in a number of key sites including schools, homes, communities, and social movements, keeping in mind that we need to learn our way out of our current unsustainable food system and in to more sustainable alternatives.

Radiation Curing of Polymeric Materials-Charles E. Hoyle 1990 This new volume examines both fundamental and applied aspects of UV and EB chemistries in several areas, particularly coatings materials. It offers an overall perspective of the subject, and provides direct insight into the future of this rapidly developing field. Its 36 chapters are divided into six sections, covering photoinitiators, novel radiation photocurable systems, properties of radiation-cured materials, photodegradation of radiation-cured films, radiation curing of cationic polymerization, laser-initiated polymerization, and high-energy radiation curing. A brief summary appears at the beginning of each section. One Million Pedal Strokes-Ellen Wolcott 2015-01-15 The Race Across America (RAAM) is a nonstop, 3,000-mile bicycle race with a twelve-day limit. The race course traverses deserts and mountains in all kinds of conditions including extreme temperatures, wind, rain, and fog. Racers typically sleep less than four hours per day. The Race Across America is the toughest ultracycling race in the world. It requires physical and mental toughness, but also organization, planning, and an efficient, dedicated, well-trained crew. “One Million Pedal Strokes” tells the story of how rookie Keith Wolcott completed RAAM in 2014, with his wife Ellen as his crew chief. It gives racer, crew chief, and crew perspectives of the race. It contains details about planning and details about decisions that must be made, with sections on potential problems, strategy, training, the mental aspect, a goal pace, crew training, nutrition, clothing, equipment, and recovery—all aimed to be useful for prospective RAAM racers. Algorithms for Reinforcement Learning-Csaba Szepesvári 2010 Reinforcement learning is a learning paradigm concerned with learning to control a system so as to maximize a numerical performance measure that expresses a long-term objective. What distinguishes reinforcement learning from supervised learning is that only partial feedback is given to the learner about the learner’s predictions. Further, the predictions may have long term effects through influencing the future state of the controlled system. Thus, time plays a special role. The goal in reinforcement learning is to develop efficient learning algorithms, as well as to understand the algorithms’ merits and limitations. Reinforcement learning is of great interest because of the large number of practical applications that it can be used to address, ranging from problems in artificial intelligence to operations research or control engineering. In this book, we focus on those algorithms of reinforcement learning that build on the powerful theory of dynamic programming.We give a fairly comprehensive catalog of learning problems, describe the core ideas, note a large number of state of the art algorithms, followed by the discussion of their theoretical properties and limitations.

General Video Game Artificial Intelligence-Diego Pérez Lieñana 2019-10-09 Research on general video game playing aims at designing agents or content generators that can perform well in multiple video games, possibly without knowing the game in advance and with little to no specific domain knowledge. The general video game AI framework and competition propose a challenge in which researchers can test their favorite AI methods with a potentially infinite number of games created using the Video Game Description Language. The open-source framework has been used since 2014 for running a challenge. Competitors around the globe submit their best approaches that aim to generalize well across games. Additionally, the framework has been used in AI modules by many higher-education institutions as assignments, or as proposed projects for final year (undergraduate and Master’s) students and Ph.D. candidates. The present book, written by the developers and organizers of the framework, presents the most interesting highlights of the research performed by the authors during these years in this domain. It showcases work on methods to play the games, generators of content, and video game optimization. It also outlines potential further work in an area that offers multiple research directions for the future.

Membrane and Desalination Technologies-Lawrence K. Wang 2010-12-01 In this essential new volume, Volume 13: Membrane and Desalination Technologies, a panel of expert researchers provide a wealth of information on membrane and desalination technologies. An advanced chemical and environmental engineering textbook as well as a comprehensive reference book, this volume is of high value to advanced graduate and undergraduate students, researchers, scientists, and designers of water and wastewater treatment systems. This is an essential part of the Handbook of Environmental Engineering series, an incredible collection of methodologies that study the effects of pollution and waste in their three basic forms: gas, solid, and liquid. Chapters adopt the series format, employing methods of practical design and calculation illustrated by numerical examples, including pertinent cost data whenever possible, and exploring in great detail the fundamental principles of the field. Volume 13: Membrane and Desalination Technologies is an essential guide for researchers, highlighting the latest developments in principles of membrane technology, membrane systems planning and design, industrial and municipal waste treatments, desalination requirements, wastewater reclamation, biofiltration, and more.

A Circular Economy Handbook for Business and Supply Chains-Catherine Weetman 2016-12-03 WINNER: Les Plumes des Achats 2018 - Committee Special Prize A Circular Economy Handbook for Business and Supply Chains is an easily digestible and comprehensive handbook that provides a clear guide to the circular economy, helping the reader create future-fit, sustainable strategies. Real examples across a range of market sectors help businesses, students and policymakers understand the theory and fast-developing practice of the circular economy. To help the reader generate ideas, A Circular Economy Handbook for Business and Supply Chains provides a holistic framework for the design and supply chain and supporting business models, and includes tools the reader can use to get started. Whilst growing global consumption presents fantastic business opportunities, our current linear systems (take some materials, make a product, use it and then throw it away) are not fit for purpose. The circular economy unlocks this problem by decoupling resources from consumption. Engaged businesses are re-thinking product design, material choices, business models and supply chains. A Circular Economy Handbook for Business and Supply Chains is a must-read for anyone who wants to apply the circular economy today. Online resources now available: PowerPoint slides of figures and tables from every chapter created by the author.

Guide to Microsoft Office 2013- 2013 Projects include preparing business letters brochures newsletters blogs PDF documents invoices pivot tables inventory databases and business presentations; Review questions and exercises reinforce new concepts offer practice in critical-thinking and present opportunities to conduct integrated and collaborative research. Bonus coverage of Internet Explorer SkyDrive Outlook PowerPoint Publisher and OneNote develops skills in web research emailing creating multimedia presentations sharing documents preparing marketing documents and using a digital notebook.

Marketing-Roger Kerin 2014-01-15 Marketing, 12e utilizes a unique, innovative, and effective pedagogical approach. The elements of this approach have been the foundation for each edition of Marketing and serve as the core of the text and its supplements. They have evolved and adapted to changes in student learning style preferences, the growth of the marketing discipline, and the development of new instructional technologies. The distinctive features of the approach are illustrated below. High Engagement Style Easy-to-read, conversational, high-involvement, interactive writing style that engages students through active learning techniques. Rigorous Pedagogical Framework Pedagogy based on the use of Learning Objectives, Learning Reviews, Learning Objectives Reviews, Applying Marketing Knowledge exercises, Building Your Marketing Plan guidelines, video and written cases, and other helpful supplements. Traditional and Contemporary Coverage and Examples Comprehensive and integrated coverage of traditional and contemporary marketing concepts supported by current and interesting examples. Integrated Technology The use of powerful technical resources and learning solutions, such as Connect, LearnSmart with SmartBook, www.kerln.tv, www.kerlinmarketing.com, and QR codes. Marketing Decision Making The use of extended examples, cases, and videos involving people making marketing decisions. Personalized Marketing Vivid and accurate description of businesses, nonprofit organizations, marketing professionals (including many of whom are women and minorities), and entrepreneurs - through cases, exercises, and testimonials - that allows students to personalise marketing and identify possible career interests. Course Management System Integration Marketing, 12e content can be integrated with the following online course management systems: Blackboard, WebCT, eCollege, Moodle, and Desire2Learn. The goal of Marketing, 12e is to create an exceptional experience for today’s students and instructors of marketing. The development of Marketing, 12e was based on a rigorous process of assessment. The outcome of this process is a text and package of learning tools that are based on engagement, leadership, and innovation in marketing education.

Procedural Content Generation in Games-Noor Shaker 2016-10-18 This book presents the most up-to-date coverage of procedural content generation (PCG) for games, specifically the procedural generation of levels, landscapes, items, rules, quests, or other types of content. Each chapter explains an algorithm type or domain, including fractal methods, grammar-based methods, search-based and evolutionary methods, constraint-based methods, and narrative, terrain, and dungeon generation. The authors are active academic researchers and game developers, and the book is appropriate for undergraduate and graduate students of courses on games and creativity; game developers who want to learn new methods for content generation; and researchers in related areas of artificial intelligence and computational intelligence.

Advancing Workplace Mediation Through Integration of Theory and Practice-Katalien Bollen 2016-11-11 This book compares the unique features of workplace mediation to other contexts of mediation, as well as the specific competences each situation requires of the mediator. It covers many important issues related to workplace mediation and discusses interventions by managers, such as conflict coaching and informal mediation. It proposes a new model to assess the effectiveness of mediation, and discusses the impact of legal systems, HRM policies, as well as power structures, and cultural differences. The book takes into account perspectives from multiple disciplines, such as management, business, psychology, law and sociology. It also discusses mediation aspects from a variety of cultural and regional contexts. The book advances knowledge about the application, process and effects of workplace mediation and includes practical tips for scholars, practitioners, mediators and managers to enhance their mediation practice or to foster constructive conflict management in organizations.

Marketing-Roger A. Kerin 2007 MARKETING: THE CORE, 2/e by Kerin, Berkowitz, Hartley, and Rudelius continues the tradition of cutting-edge content and student-friendliness set by Marketing 8/e, but in a shorter, more accessible package. The Core distills Marketing’s 22 chapters down to 18, leaving instructors just the content they need to cover the essentials of marketing in a single semester. Instructors using The Core also benefit from a full-sized supplements package that surpasses anything offered by the competition, while students will appreciate the easy-to-read paperback format that’s equally kind to both the eyes and the pocketbook. The Core is more than just a “baby Kerin”; it combines great writing, currency, and supplements into the ideal package for budget-conscious students and time-conscious professors.

Small Animal Internal Medicine - E-Book-Richard W. Nelson 2008-12-02 Learn to effectively recognize, diagnose, and treat common internal medical conditions with this invaluable reference. Small Animal Internal Medicine, Fourth Edition, emphasizes practical diagnostic approaches and focuses on the clinically relevant aspects of patient medical management. Extensive color illustrations, boxes, and algorithms, plus new photographs, schematic representations, and updated tables, set this book apart. With its highly functional design and clear, expert voice, this text delivers the most relevant information for the internal medical challenges you’re most likely to face. Utilizes a problem-oriented approach, beginning with a discussion of clinical signs and diagnostic recommendations and techniques and moving on to therapeutic considerations and management Each contributor is a recognized expert in his or her respective specialty. Limited number of authors provides consistency. Clear, step-by-step procedural guidelines thoroughly describe each procedure. Cross-referencing throughout the book reduces redundancy and makes information easy to locate. Suggested readings at the end of each chapter alert you to the latest research findings. Comprehensive drug tables provide recommended dosages and indications. Purposefully written to enhance critical thinking and decision-making skills based on clinical findings. Hundreds of summary boxes and tables allow quick access to clinical signs, etiology, differential diagnoses, drugs, and treatment. Full-color format brings you accurate visual depictions of specific disorders, diseases, and procedures. Two new section editors bring a fresh perspective. Discussion of Immune-Mediated Disorders has been significantly expanded and made into its own section. Hundreds of new, full-color photographs and quick reference tables throughout Completely updated drug and treatment guidelines tables Forensic Anthropology-Sue Black 2011-02-07 Advances in our ability to analyse information from skeletal remains and subsequent developments in the field of forensic anthropology make it possible to identify more victims of homicides, mass-fatality disasters, and genocide. Summarizing the vast collection of international literature that has developed over the past decade, Forensic Anthropology

Tijuana River Valley-Samuel Safran 2017-01-31 The Tijuana River Valley Historical Ecology Investigation synthesizes hundreds of historical maps, photographs, and texts to reconstruct the ecological, hydrological, and geomorphic conditions of the Tijuana River valley prior to major European-American landscape modification. How did the valley look and function before there was the state of California, the city of Tijuana, or an international border? What habitat types and wildlife were found there? How have these habitat types and the physical processes that shaped them changed over time? And finally, what can the valley’s ecological past tell us about its present and future? In answering these fundamental questions, this richly-illustrated study provides scientists, managers, and residents in the valley with information designed to support and inspire ongoing management and restoration activities.

DBMS Lab Manual-Jitendra Patel 2012-12-01 This manual is specially written for Students who are interested in understanding Structured Query Language and PL-SQL concepts in the Computer Engineering and Information technology field and wants to gain enhance knowledge about power of SQL Language in Relational Database Management System Development. The manual covers practical point of view in all aspects of SQL and PL/SQL including DDL, DML, DCL sublanguages, also there are practices for Views, Group by, Having Clause. All PL-SQL concepts like Condition and Loop Structures, Functions and Procedures, Cursor, Triggers, Locks are illustrated using best examples

The Oxford Handbook of Causal Reasoning-Michael Waldmann 2017 Causal reasoning is one of our most central cognitive competencies, enabling us to adapt to our world. Causal knowledge allows us to predict future events, or diagnose the causes of observed facts. We plan actions and solve problems using knowledge about cause-effect relations. Without our ability to discover and empirically test causal theories, we would not have made progress in various empirical sciences. The handbook brings together the leading researchers in the field of causal reasoning and offers state-of-the-art presentations of theories and research. It provides introductions of competing theories of causal reasoning, and discusses its role in various cognitive functions and domains. The final section presents research from neighboring fields.

Arts of Living on a Damaged Planet-Anna Lowenhaupt Tsing 2017-05-30 Living on a damaged planet challenges who we are and where we live. This timely anthology calls on twenty eminent humanists and scientists to revitalize curiosity, observation, and transdisciplinary conversation about life on earth. As human-induced environmental change threatens multispecies livability, Arts of Living on a Damaged Planet puts forward a bold proposal: entangled histories, situated narratives, and thick descriptions offer urgent “arts of living.” Included are essays by scholars in anthropology, ecology, science studies, art, literature, and bioinformatics who posit critical and creative tools for collaborative survival in a more-than-human Anthropocene. The essays are organized around two key figures that also serve as the publication’s two openings: Ghosts, or landscapes haunted by the violences of modernity; and Monsters, or interspecies and intraspecies sociality. Ghosts and Monsters are tentacular, windy, and arboreal arts that invite readers to encounter ants, lichen, rocks, electrons, flying foxes, salmon, chestnut trees, mud volcanoes, border zones, graves, radioactive waste—in short, the wonders and terrors of an unintended epoch. Contributors: Karen Barad, U of California, Santa Cruz; Kate Brown, U of Maryland, Baltimore; Carla Freccero, U of California, Santa Cruz; Peter Funch, Aarhus U; Scott F. Gilbert, Swarthmore College; Deborah M. Gordon, Stanford U; Donna J. Haraway, U of California, Santa Cruz; Andreas Hejnel, U of Bergen, Norway; Ursula K. Le Guin; Marianne Elisabeth Lien, U of Oslo; Andrew Mathews, U of California, Santa Cruz; Margaret McFall-Ngai, U of Hawaii, Manoa; Ingrid M. Parker, U of California, Santa Cruz; Mary Louise Pratt, NYU; Anne Pringle, U of Wisconsin, Madison; Deborah Bird Rose, U of New South Wales, Sydney; Dorion Sagan; Lester Stern, U of California, San Diego; Jens-Christian Svenning, Aarhus U. Twelve Years a Slave-Solomon Northup 2014-03-08 Now a major motion picture nominated for nine Academy Awards. Narrative of Solomon Northup, a Citizen of New-York, Kidnapped in Washington City in 1841, and Rescued in 1853. Twelve Years a Slave by Solomon Northup is a memoir of a black man who was born free in New York state but kidnapped, sold into slavery and kept in bondage for 12 years in Louisiana before the American Civil War. He provided details of slave markets in Washington, DC, as well as describing at length cotton cultivation on major plantations in Louisiana.

Explainable AI: Interpreting, Explaining and Visualizing Deep Learning-Wojciech Samek 2019-10-23 The development of “intelligent” systems that can take decisions and perform autonomously might lead to faster and more consistent decisions. A limiting factor for a broader adoption of AI technology is the inherent risks that come with giving up human control and oversight to “intelligent” machines. For sensitive tasks involving critical infrastructures and affecting human well-being or health, it is crucial to limit the possibility of improper, non-robust and unsafe decisions and actions. Before deploying an AI system, we see a strong need to validate its behavior, and thus establish guarantees that it will continue to perform as expected when deployed in a real-world environment. In pursuit of that objective, ways for humans to verify the agreement between the AI decision structure and their own ground-truth knowledge have been explored. Explainable AI (XAI) has developed as a subfield of AI, focused on exposing complex AI models to humans in a systematic and interpretable manner. The 22 chapters included in this book provide a timely snapshot of algorithms, theory, and applications of interpretable and explainable AI and AI techniques that have been proposed recently reflecting the current discourse in this field and providing directions of future development. The book is organized in six parts: towards AI transparency; methods for interpreting AI systems; explaining the decisions of AI systems; evaluating interpretability and explanations; applications of explainable AI; and software for explainable AI.

Essential Office 365 Third Edition-Kevin Wilson 2019-04-20 The twenty-first century offers more technology than we have ever seen before, but with new updates, and apps coming out all the time, it’s hard to keep up. Essential Office 365 is here to help. Along with easy to follow step-by-step instructions, illustrations, and photographs, this guide offers specifics in... Downloading and Installing Microsoft Office Suite Getting started with Office Online: using Sway, OneDrive, Mail & Calendar Using Office Apps on your iPad or Android device Constructing professional looking documents with Microsoft Word Adding and using graphics, photographs, and clipart Changing fonts, creating tables, graphs, clipboard, sorting and formatting text, and mail merge Creating presentations for your lessons, lectures, speeches or business presentations using PowerPoint. Adding animations and effects to PowerPoint slides Using 3D and cinematic transitions to spice up your presentations Using Excel to create spreadsheets that analyse, present and manipulate data Creating Excel charts, graphs, pivot tables, functions and formulas The basics of Microsoft Access databases Keeping in touch with friends, family and colleagues using Outlook Maintaining calendars and keeping appointments with Outlook Taking notes with OneNote and more... Unlike other books and manuals that assume a computing background not possessed by beginners, Essential Office 365 tackles the fundamentals of Microsoft Office, so that everyone from students, to senior citizens, to home users pressed for time, can understand. So, if you’re looking for an Office manual, a visual book, simplified tutorial, dummies guide, or reference, Essential Office 365 will help you maximize the potential of Microsoft Office to increase your productivity, and help you take advantage of the digital revolution.

Fancy White Trash-Marjetta Geerling 2008 In order to avoid the dramas that Shelby and Kait have gone through, Abby sets new rules for dating that requires meeting new people, but when she starts to fall in love with the father of Kait’s baby, she worries about what will happen when others find out.

Fundamentals of Musculoskeletal Imaging-Lynn N McKinnis 2020-12-04 A volume in the Contemporary Perspectives in Rehabilitation Series. The book that set the standard for the role of correlating imaging findings to clinical findings as part of a comprehensive patient evaluation, more specific treatment plans and better outcomes is back in a New Edition. Here’s everything Physical Therapists need to know about medical imaging. This comprehensive guide helps you develop the skills and knowledge you need to accurately interpret imaging studies and understand written reports. Begin with a basic introduction to radiology; then progress to evaluating radiographs and advanced imaging from head to toe. Imaging for commonly seen traumas and pathologies, as well as case studies prepare you to meet the most common to most complex challenges in clinical and practice.

Forensic Radiology-Michael J. Thali, M.D. 1998-04-09 The scope of applications of forensic radiology includes determination of identity, evaluation of injury and death, use in criminal and civil litigation, in administrative proceedings such as workman’s compensation hearings, in medical education, and in research. Until now, there has been no single source of radiologic knowledge for various disciplines to turn to when examining X-rays or other radiologic records as forensic evidence. This is the first book to cover the entire spectrum of radiological applications in forensic science. Discover how forensic radiology can be used to: Identify remains and determine issues such as animal vs. human remains; whether one or more bodies are involved; and the age, sex, and stature of remains Evaluate causes of death and whether it was accidental, homicidal, or self-inflicted Establish evidence in both criminal and non-criminal proceedings Analyze bite marks to identify perpetrators Detect fakes and forgeries in art works Determine whether child, spousal, or geriatric abuse is occurring And much more Obviously illustrated with more than 640 pictures, Forensic Radiology is a visual guide and standard reference not only for radiologists, but for everyone involved in the field of forensics-from anthropologists to trial lawyers. This extremely readable text requires no background of medical training to understand, yet is detailed enough to inform physicians and dentists interested in this specialty field.

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