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BLANCHARD NIGEL

Improving Diagnosis in Health Care Independently Published
Content-based multimedia retrieval is a challenging research field with many unsolved problems. This monograph details concepts and algorithms for robust and efficient information retrieval of two different types of multimedia data: waveform-based music data and human motion data. It first examines several approaches in music information retrieval, in particular general strategies as well as efficient algorithms. The book then introduces a general and unified framework for motion analysis, retrieval, and classification, highlighting the design of suitable features, the notion of similarity used to compare data streams, and data organization.
Retrieval Medicine Springer Science & Business Media
Consumer health websites have garnered considerable media attention, but only begin to scratch the surface of the more pervasive transformations the Internet could bring to health and health care. Networking Health examines ways in which the Internet may become a routine part of health care delivery and payment, public health, health education, and biomedical research. Building upon a series of site visits, this book: Weighs the role of the Internet versus private networks in uses ranging from the transfer of medical images to providing video-based medical consultations at a distance. Reviews technical challenges in the areas of quality of service, security, reliability, and access, and looks at the potential utility of the next generation of online technologies. Discusses ways health care organizations can use the Internet to support their strategic interests and explores barriers to a broader deployment of the Internet. Recommends steps that private and public sector entities can take to enhance the capabilities of the Internet for health purposes and to prepare health care organizations to adopt new Internet-based applications.
Registries for Evaluating Patient Outcomes John Wiley & Sons
After a mix-up at the fertility clinic, two couples are forever changed when their lives suddenly collide. "The Retrieval Duet is an emotionally-gripping, twisty ride punctuated by intense chemistry and the hottest alpha male I've read in ages!" -New York Times Bestselling Author Meghan March RETRIEVALOne date. That was all it took for me to know Elisabeth was my soul mate. Five years, countless infertility treatments, and the loss of our only son. That was what it took for me to lose her. One phone call, a mix-up at the lab, and a little girl neither of us knew existed. That was the hell it took to bring her back to me.And this time, I wasn't letting go.This is the story of how I took back what had always been mine. The retrieval of my wife and my family.TRANSFERI married a monster.What started out as romance ended in hell.My sole job in life was to protect our daughter.Until a police officer informed me of a mix-up at the lab. My little girl was the only thing keeping me alive.And I didn't even know if she was mine.This is the story of how I escaped the man who thought he owned me.The transfer of my life and my family.
Information Retrieval for Music and Motion BMJ Books
The growth of the Internet and the availability of enormous volumes of data in digital form have necessitated intense interest in techniques to assist the user in locating data of interest. The Internet has over 350 million pages of data and is expected to reach over one billion pages by the year 2000. Buried on the Internet are both valuable nuggets to answer questions as well as a large quantity of information the average person does not care about. The Digital Library effort is also progressing, with the goal of migrating from the traditional book environment to a digital library environment. The challenge to both authors of new publications that will reside on this information domain and developers of systems to locate information is to provide the information and capabilities to sort out the non-relevant items from those desired by the consumer. In effect, as we proceed down this path, it will be the computer that determines what we see versus the human being. The days of going to a library and browsing the new book shelf are being replaced by electronic searching the Internet or the library catalogs. Whatever the search engines return will constrain our knowledge of what information is available. An understanding of Information Retrieval Systems puts this new environment into perspective for both the creator of documents and the consumer trying to locate information.
Oxford Textbook of Anaesthesia BMJ Books
Sick babies and children are moved between hospitals for many reasons, often to receive specialist care and treatment not available locally. For the transfer to be safe and effective it is necessary to plan carefully for these occasions, and for the doctors and nurses attending the transport to be able to provide intensive care on the move. The book provides guidance in both of these major areas. The first section - 'Planning for Safe and Effective Transport' - details issues to be considered by senior staff in setting-up or modernising a transport programme. General principles and relevant physiology are outlined, and vehicles and equipment are discussed in depth. The second section - 'Practical Transport Management' - is concerned with different patient groups and key clinical issues.

These include the distinctive features of neonatal and paediatric patients, and management of airway, breathing and circulation. Other chapters discuss airborne transport, pharmacology, trauma, and special interventions for transport such as extracorporeal membrane oxygenation and inhaled nitric oxide.

Social Media Retrieval Springer

Retrieval Medicine is a core, concise and practical text covering the complex clinical and logistical problems experienced in the retrieval environment. Focusing on evidence-based management and clear clinical guidance, this easily portable handbook provides a comprehensive and accessible guide to this growing field for all health professionals involved in the retrieval and transfer of critically ill patients. Covering the practice of acute, emergency and critical care medicine in the transport environment, this handbook provides the practical guidance and clinical knowledge to enable medical practitioners to function independently in highly variable and resource limited environments with acutely unwell, unstable and often clinically undifferentiated patients over long durations. Closely mapped to the Royal College of Surgeons syllabus on retrieval and transfer medicine, this title comprehensively covers all aspects of retrieval medicine, from basic flight physiology to more complex retrievals and common pitfalls. Authored by an authoritative, international team of expert editors and specialist authors, this clinically focused text is complemented by a range of checklists and reference tools for practical and accessible use in the field. These deliver core information for use in the primary retrieval setting, allowing the retreivalist to structure their approach to a crisis and correct the problem with suggested interventions. Topics include retrieval systems and coordination, crisis resource management, shock, and a range of chapters focusing on responding to specific areas of medicine when encountered in the retrieval environment, such as cardiology and obstetrics and gynaecology.

Textbook of Acute Trauma Care Springer Science & Business Media

With the proliferation of huge amounts of (heterogeneous) data on the Web, the importance of information retrieval (IR) has grown considerably over the last few years. Big players in the computer industry, such as Google, Microsoft and Yahoo!, are the primary contributors of technology for fast access to Web-based information; and searching capabilities are now integrated into most information systems, ranging from business management software and customer relationship systems to social networks and mobile phone applications. Ceri and his co-authors aim at taking their readers from the foundations of modern information retrieval to the most advanced challenges of Web IR. To this end, their book is divided into three parts. The first part addresses the principles of IR and provides a systematic and compact description of basic information retrieval techniques (including binary, vector space and probabilistic models as well as natural language search processing) before focusing on its application to the Web. Part two addresses the foundational aspects of Web IR by discussing the general architecture of search engines (with a focus on the crawling and indexing processes), describing link analysis methods (specifically Page Rank and HITS), addressing recommendation and diversification, and finally presenting advertising in search (the main source of revenues for search engines). The third and final part describes advanced aspects of Web search, each chapter providing a self-contained, up-to-date survey on current Web research directions. Topics in this part include meta-search and multi-domain search, semantic search, search in the context of multimedia data, and crowd search. The book is ideally suited to courses on information retrieval, as it covers all Web-independent foundational aspects. Its presentation is self-contained and does not require prior background knowledge. It can also be used in the context of classic courses on data management, allowing the instructor to cover both structured and unstructured data in various formats. Its classroom use is facilitated by a set of slides, which can be downloaded from www.search-computing.org.

ABC of Transfer and Retrieval Medicine Springer Science & Business Media

Patient transfer is becoming increasingly frequent as specialist departments are being concentrated in the larger hospitals, and in the UK owing to the lack of ICU beds. There is a growing need for information on how to handle patients in these eventualities. This book gives a systematic approach for the safe transportation of patients between departments and hospitals. This is the course book for the Safe Transfer and Retrieval courses run by the Advanced Life Support Group.

Make It Stick Cambridge University Press

Unleash powerful teaching and the science of learning in your classroom Powerful Teaching: Unleash the Science of Learning empowers educators to harness rigorous research on how students learn and unleash it in their classrooms. In this book, cognitive scientist Pooja K. Agarwal, Ph.D., and veteran K–12 teacher Patrice M. Bain, Ed.S., decipher cognitive science research and illustrate ways to successfully apply the science of learning in classrooms settings. This practical resource is filled with evidence-based strategies that are easily implemented in less than a minute—without additional prepping, grading, or funding! Research demonstrates that these powerful strategies raise student achievement by a letter grade or more; boost learning for diverse students, grade levels, and subject areas; and enhance students' higher order learning and transfer of knowledge beyond the classroom. Drawing on a fifteen-year scientist-teacher collaboration, more than 100 years of research on learning, and rich experiences from educators in K–12 and higher education, the authors present highly accessible step-by-step guidance on how to transform teaching with four essential strategies: Retrieval practice, spacing, interleaving, and feedback-driven metacognition. With Powerful Teaching, you will: Develop a deep understanding of powerful teaching strategies based on the science of learning Gain insight from real-world examples of how evidence-based strategies are being implemented in a variety of academic settings Think critically about your current teaching practices from a research-based perspective Develop tools to share the science of learning with students and parents, ensuring success inside and outside the classroom Powerful Teaching: Unleash the Science of Learning is an indispensable resource for educators who want to take their instruction to the next level. Equipped with scientific knowledge and evidence-based tools, turn your teaching into powerful teaching and unleash student learning in your classroom.

Content-Based Image Retrieval National Academies Press

Due to the fast growth of the Web and the difficulties in finding desired information, efficient and effective information retrieval systems have become more important than ever, and the search engine has become an essential tool for many people. The ranker, a central component in every search engine, is responsible for the matching between processed queries and indexed documents. Because of its central role, great attention has been paid to the research and development of ranking technologies. In addition, ranking is also pivotal for many other information retrieval

applications, such as collaborative filtering, definition ranking, question answering, multimedia retrieval, text summarization, and online advertisement. Leveraging machine learning technologies in the ranking process has led to innovative and more effective ranking models, and eventually to a completely new research area called “learning to rank”. Liu first gives a comprehensive review of the major approaches to learning to rank. For each approach he presents the basic framework, with example algorithms, and he discusses its advantages and disadvantages. He continues with some recent advances in learning to rank that cannot be simply categorized into the three major approaches – these include relational ranking, query-dependent ranking, transfer ranking, and semisupervised ranking. His presentation is completed by several examples that apply these technologies to solve real information retrieval problems, and by theoretical discussions on guarantees for ranking performance. This book is written for researchers and graduate students in both information retrieval and machine learning. They will find here the only comprehensive description of the state of the art in a field that has driven the recent advances in search engine development.

Occupational Outlook Handbook Elsevier Australia

Recent years have been characterized by tremendous advances in quantum information and communication, both theoretically and experimentally. In addition, mathematical methods of quantum information and quantum probability have begun spreading to other areas of research, beyond physics. One exciting new possibility involves applying these methods to information science and computer science (without direct relation to the problems of creation of quantum computers). The aim of this Special Volume is to encourage scientists, especially the new generation (master and PhD students), working in computer science and related mathematical fields to explore novel possibilities based on the mathematical formalisms of quantum information and probability. The contributing authors, who hail from various countries, combine extensive quantum methods expertise with real-world experience in application of these methods to computer science. The problems considered chiefly concern quantum information-probability based modeling in the following areas: information foraging; interactive quantum information access; deep convolutional neural networks; decision making; quantum dynamics; open quantum systems; and theory of contextual probability. The book offers young scientists (students, PhD, postdocs) an essential introduction to applying the mathematical apparatus of quantum theory to computer science, information retrieval, and information processes.

Retrieval Medicine BMJ Books

Neonatal, Adult and Paediatric Safe Transfer and Retrieval is a new and vital instalment in the blended learning course from the Advanced Life Support Group (ALSG), which aims to provide hospital staff at all levels with essential information on the inter- and intra-hospital transfer of both child and adult patients. This essential manual covers the basics of mobile medicine, the elements of transfer, patient and team safety, and the practical and clinical considerations associated with the patient transfer process. Each chapter makes use of checklists, practical examples and content summaries to help readers understand and overcome the challenges of both adult and paediatric patient transfers. Combines Paediatric and Neonatal Safe Transport and Retrieval (PaNSTaR) and the (Adult) Safe Transport and Retrieval (STaR) into a single volume (NAPSTaR) Written and edited by an expert team of specialists from across the UK Complements Advanced Paediatric Life Support and Prehospital Paediatric Life Support Neonatal, Adult and Paediatric Safe Transfer and Retrieval is a must-have resource for doctors, nurses, paramedics and healthcare professionals involved in patient transfer and those in ALSG courses in patient transport.

Neonatal, Adult and Paediatric Safe Transfer and Retrieval Springer Science & Business Media

Prehospital Emergency Medicine (PHEM) is a new and evolving field within Prehospital Care and involves the delivery of safe prehospital critical care to seriously ill or injured patients, and safe transfer to or between hospitals. It covers a broad range of medical and traumatic conditions, interventions, clinical providers and physical environments. ABC of Prehospital Emergency Medicine is the first text to provide a comprehensive overview of this field and with an international team of expert authors is essential reading to anyone involved in the delivery of Prehospital Emergency Medicine and Prehospital Care. This title is also available as a mobile App from MedHand Mobile Libraries. Buy it now from iTunes, Google Play or the MedHand Store.

Multilingual Information Retrieval Oxford University Press

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

Evaluating Information Retrieval and Access Tasks Harvard University Press

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

Information Retrieval Systems Springer Science & Business Media

With over ten thousand inter-hospital transfers of children and neonates now taking place every year in the UK, this book, and the associated training course run by the Advanced Life Support Group (ALSG) have been developed to provide an introduction to the knowledge required to undertake these transfers. Paediatric and Neonatal Safe Transfer and Retrieval (PaNSTaR) is aimed at healthcare professionals either beginning their training in paediatric or neonatal transport and those who are involved in undertaking such transfers on an occasional basis. Developed by a multi-professional group from across the UK, this new title incorporates a systematic approach throughout. This approach is adapted from the adult STaR course and covers the following: an overview of the current delivery of children’s transport services the ACCEPT approach - Assessment - Control - Communication - Evaluation - Preparation and Packaging - Transportation practical issues that are encountered during the transfer process from both an equipment and a clinical perspective special considerations and circumstances that require additional planning useful appendices that

contain supporting information, sample checklists and example documentation. For more details on the ALSG training courses please visit the ALSG website at www.alsg.org

Safe Transfer and Retrieval (STaR) of Patients Springer Nature

Retrieval Medicine is a core, concise and practical text covering the complex clinical and logistical problems experienced in the retrieval environment. Focusing on evidence-based management and clear clinical guidance, this easily portable handbook provides a comprehensive and accessible guide to this growing field for all health professionals involved in the retrieval and transfer of critically ill patients. Covering the practice of acute, emergency and critical care medicine in the transport environment, this handbook provides the practical guidance and clinical knowledge to enable medical practitioners to function independently in highly variable and resource limited environments with acutely unwell, unstable and often clinically undifferentiated patients over long durations. Closely mapped to the Royal College of Surgeons syllabus on retrieval and transfer medicine, this title comprehensively covers all aspects of retrieval medicine, from basic flight physiology to more complex retrievals and common pitfalls. Authored by an authoritative, international team of expert editors and specialist authors, this clinically focused text is complemented by a range of checklists and reference tools for practical and accessible use in the field. These deliver core information for use in the primary retrieval setting, allowing the retreivalist to structure their approach to a crisis and correct the problem with suggested interventions. Topics include retrieval systems and coordination, crisis resource management, shock, and a range of chapters focusing on responding to specific areas of medicine when encountered in the retrieval environment, such as cardiology and obstetrics and gynaecology.

Safe Transfer and Retrieval (STaR) of Patients Springer Nature

A case-based, multidisciplinary book on paediatric retrieval and transfer, covering many critically ill paediatric presentations and issues.

String Processing and Information Retrieval Springer Nature

The safe transfer of all hospital patients, especially those who are critically ill, is of crucial importance, demanding organisational, as well as clinical skills. Safe Transfer and Retrieval of Patients (STaR) is aimed at all health care workers involved with inter and intra-hospital transfers. It provides a much needed structured approach to transfer medicine, together with sound guidance on relevant clinical procedures. The second edition has been extensively revised in line with new developments in transfer medicine. The book has been redesigned with five distinct sections covering: the principles of the STaR structured approach to transfers the management of the transfer or retrieval practical procedures related to transfer medicine an overview of clinical care during the assessment and stabilisation phases of transfer. the legal and safety aspects of transfers, specific differences in helicopter transfers and transfers involving children A new chapter, the infectious or contaminated patient, has been added, in light of current concerns around the potential transfer of infection between patients and staff. The major revisions to this STaR coursebook bring it into line with the latest thinking on patient transfers, making it an invaluable guide for anyone involved in this aspect of health care.

Networking Health John Wiley & Sons

We are living in a multilingual world and the diversity in languages which are used to interact with information access systems has generated a wide variety of challenges to be addressed by computer and information scientists. The growing amount of non-English information accessible globally and the increased worldwide exposure of enterprises also necessitates the adaptation of Information Retrieval (IR) methods to new, multilingual settings. Peters, Braschler and Clough present a comprehensive description of the technologies involved in designing and developing systems for Multilingual Information Retrieval (MLIR). They provide readers with broad coverage of the various issues involved in creating systems to make accessible digitally stored materials regardless of the language(s) they are written in. Details on Cross-Language Information Retrieval (CLIR) are also covered that help readers to understand how to develop retrieval systems that cross language boundaries. Their work is divided into six chapters and accompanies the reader step-by-step through the various stages involved in building, using and evaluating MLIR systems. The book concludes with some examples of recent applications that utilise MLIR technologies. Some of the techniques described have recently started to appear in commercial search systems, while others have the potential to be part of future incarnations. The book is intended for graduate students, scholars, and practitioners with a basic understanding of classical text retrieval methods. It offers guidelines and information on all aspects that need to be taken into consideration when building MLIR systems, while avoiding too many ‘hands-on details’ that could rapidly become obsolete. Thus it bridges the gap between the material covered by most of the classical IR textbooks and the novel requirements related to the acquisition and dissemination of information in whatever language it is stored.