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Van Nostrand's Scientific EncyclopediaGLOBECOM '86The Elements of Statistical LearningStructured Learning and Prediction in Computer VisionComputer Science and its ApplicationsInternational Workshop on Multi-media Database Management SystemsMathematics for Machine Learning1975 International Conference on CommunicationsProceedings of the 26th IEEE Conference on Decision and ControlKnowledge-Based Intelligent Information and Engineering SystemsMathematics of Data/image Coding, Compression, and Encryption IIInformation HidingHydrologic SciencesMathematics and Applications of Data/image Coding, Compression, and Encryption IIIPerfect ICT Every LessonAn Introduction to Statistical LearningImage and Video ProcessingIEEE Proceedings of the SoutheastconIGARSS.The Age of Intelligent MachinesConference RecordInternational Aerospace AbstractsSelected Papers on Digital Image RestorationMathematics of Data/image Coding, Compression, and EncryptionIntensity-Modulated Radiation TherapyIGARSS 2003Journal of Zhejiang UniversityComputer Vision – ECCV 2018 WorkshopsMultimedia Storage and Archiving SystemsVector QuantizationICASSP 871998 IEEE International Conference on Acoustics, Speech and Signal ProcessingConference RecordTenth International Conference on VLSI DesignProceedings of Fifth International Conference on Soft Computing for Problem SolvingAlgorithms—Advances in Research and Application: 2013 EditionExplaining the Success of Nearest Neighbor

Methods in PredictionIntroduction to Applied Linear AlgebraMultimedia Systems and ApplicationsInterpretable Machine Learning

Van Nostrand's Scientific Encyclopedia

Clinical conformal radiotherapy is the holy grail of radiation treatment and is now becoming a reality through the combined efforts of physical scientists and engineers, who have improved the physical basis of radiotherapy, and the interest and concern of imaginative radiotherapists and radiographers. Intensity-Modulated Radiation Therapy describes in detail the physics germane to the development of a particular form of clinical conformal radiotherapy called intensity modulated radiation therapy (IMRT). IMRT has become a topic of tremendous importance in recent years and is now being seriously investigated for its potential to improve the outcome of radiation therapy. The book collates the state-of-the-art literature together with the author's personal research experience and that of colleagues in the field to produce a text suitable for new research workers, Ph.D. students, and practicing radiation physicists that require a thorough introduction to IMRT. Fully illustrated, indexed, and referenced, the book has been prepared in a form suitable for supporting a teaching course.

GLOBECOM '86

The Elements of Statistical Learning

Structured Learning and Prediction in Computer Vision introduces the reader to the most popular classes of structured models in computer vision.

Structured Learning and Prediction in Computer Vision

Computer Science and its Applications

This volume covers: multimedia data storage and display; multimedia indexing and retrieval; video data management; content based retrieval; image processing; interactive multimedia systems; buffer management techniques; and multimedia databases.

International Workshop on Multi-media Database Management Systems

The 6th FTRA International Conference on Computer Science and its Applications (CSA-14) will be held in Guam, USA, Dec. 17 - 19, 2014. CSA-14 presents a

comprehensive conference focused on the various aspects of advances in engineering systems in computer science, and applications, including ubiquitous computing, U-Health care system, Big Data, UI/UX for human-centric computing, Computing Service, Bioinformatics and Bio-Inspired Computing and will show recent advances on various aspects of computing technology, Ubiquitous Computing Services and its application.

Mathematics for Machine Learning

1975 International Conference on Communications

The six-volume set comprising the LNCS volumes 11129-11134 constitutes the refereed proceedings of the workshops that took place in conjunction with the 15th European Conference on Computer Vision, ECCV 2018, held in Munich, Germany, in September 2018.43 workshops from 74 workshops proposals were selected for inclusion in the proceedings. The workshop topics present a good orchestration of new trends and traditional issues, built bridges into neighboring fields, and discuss fundamental technologies and novel applications.

Proceedings of the 26th IEEE Conference on Decision and

Control

Advancements in science and engineering have occurred at a surprisingly rapid pace since the release of the seventh edition of this encyclopedia. Large portions of the reference have required comprehensive rewriting and new illustrations. Scores of new topics have been included to create this thoroughly updated eighth edition. The appearance of this new edition in 1994 marks the continuation of a tradition commenced well over a half-century ago in 1938 Van Nostrand's Scientific Encyclopedia, First Edition, was published and welcomed by educators worldwide at a time when what we know today as modern science was just getting underway. The early encyclopedia was well received by students and educators alike during a critical time span when science became established as a major factor in shaping the progress and economy of individual nations and at the global level. A vital need existed for a permanent science reference that could be updated periodically and made conveniently available to audiences that numbered in the millions. The pioneering VNSE met these criteria and continues today as a reliable technical information source for making private and public decisions that present a backdrop of technical alternatives.

Knowledge-Based Intelligent Information and Engineering Systems

Hydrologic science, an important, interdisciplinary science dealing with the occurrence, distribution, and properties of water on Earth, is key to understanding and resolving many contemporary, large-scale environmental issues. The Water Science and Technology Board used the opportunity of its 1997 Abel Wolman Distinguished Lecture to assess the vitality of the hydrologic sciences by the hydrologic community. The format included focus by lecturer Thomas Dunne on the intellectual vitality of the hydrologic sciences, followed by a symposium featuring several invited papers and discussions. Hydrologic Sciences is a compilation of the Wolman Lecture and the papers, preceded by a summarizing overview. The volume stresses a number of needs for furtherance of hydrologic science, including development of a coherent body of transferable theory and an intellectual center for the science, communication across multiple geo- and environmental science disciplines, appropriate measurements and observations, and provision of central guidance for the field.

Mathematics of Data/image Coding, Compression, and Encryption II

The four volume set LNAI 3681, LNAI 3682, LNAI 3683, and LNAI 3684constitute the refereed proceedings of the 9th International Conferenceon Knowledge-Based Intelligent Information and Engineering Systems, KES2005, held in Melbourne,

Australia in September 2005.The 716 revised papers presented were carefully reviewed and selected fromnearly 1400 submissions. The papers present a wealth of original researchresults from the field of intelligent information processing in thebroadest sense; topics covered in the first volume are intelligentdesign support systems, data engineering, knowledge engineering andontologies, knowledge discovery and data mining, advanced networkapplication, approaches and methods of security engineering, chancediscovery, information hiding and multimedia signal processing, softcomputing techniques and their applications, intelligent agenttechnology and applications, smart systems, knowledge - based interfacesystems, intelligent information processing for remote sensing,intelligent human computer interaction systems, experience managementand knowledge management, network (security) real-time and faulttolerant systems, advanced network application and real-time systems,and intelligent watermarking algorithms.

Information Hiding

The fundamental mathematical tools needed to understand machine learning include linear algebra, analytic geometry, matrix decompositions, vector calculus, optimization, probability and statistics. These topics are traditionally taught in disparate courses, making it hard for data science or computer science students, or professionals, to efficiently learn the mathematics. This self-contained textbook

bridges the gap between mathematical and machine learning texts, introducing the mathematical concepts with a minimum of prerequisites. It uses these concepts to derive four central machine learning methods: linear regression, principal component analysis, Gaussian mixture models and support vector machines. For students and others with a mathematical background, these derivations provide a starting point to machine learning texts. For those learning the mathematics for the first time, the methods help build intuition and practical experience with applying mathematical concepts. Every chapter includes worked examples and exercises to test understanding. Programming tutorials are offered on the book's web site.

Hydrologic Sciences

Mathematics and Applications of Data/image Coding, Compression, and Encryption III

Perfect ICT Every Lesson

An Introduction to Statistical Learning

Image and Video Processing

Technology is at the heart of learning for all of us and every teacher needs to be using social media, mobile technologies and transformational digital learning opportunities as an integral part of their range of strategies for helping students make the maximum progress. In this book in the 'Perfect' series, Mark Anderson, the ICT Evangelist, takes the technology-relatedelements of all the recent subject reports from Ofsted and using them offers clear and practical strategies that are proven to be successful in classrooms and offers up ideas for how they can be turned into a daily reality for all teachers.

IEEE Proceedings of the Southeastcon

IGARSS.

The Age of Intelligent Machines

Explains the success of Nearest Neighbor Methods in Prediction, both in theory and in practice.

Conference Record

Algorithms—Advances in Research and Application: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Coloring Algorithm. The editors have built Algorithms—Advances in Research and Application: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Coloring Algorithm in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Algorithms—Advances in Research and Application: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

International Aerospace Abstracts

Selected Papers on Digital Image Restoration

Comparing the human brain with so-called artificial intelligence, the author probes past, present, and future attempts to create machine intelligence

Mathematics of Data/image Coding, Compression, and Encryption

Intensity-Modulated Radiation Therapy

IGARSS 2003

Journal of Zhejiang University

Computer Vision – ECCV 2018 Workshops

Multimedia Storage and Archiving Systems

Vector Quantization

ICASSP 87

This book contains the thoroughly refereed post-conference proceedings of the 14th Information Hiding Conference, IH 2012, held in Berkeley, CA, USA, in May 2012. The 18 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on multimedia forensics and counter-forensics, steganalysis, data hiding in unusual content, steganography, covert channels, anonymity and privacy, watermarking, and fingerprinting.

1998 IEEE International Conference on Acoustics, Speech and Signal Processing

Conference Record

Tenth International Conference on VLSI Design

A groundbreaking introduction to vectors, matrices, and least squares for engineering applications, offering a wealth of practical examples.

Proceedings of Fifth International Conference on Soft Computing for Problem Solving

An Introduction to Statistical Learning provides an accessible overview of the field of statistical learning, an essential toolset for making sense of the vast and complex data sets that have emerged in fields ranging from biology to finance to marketing to astrophysics in the past twenty years. This book presents some of the most important modeling and prediction techniques, along with relevant applications. Topics include linear regression, classification, resampling methods, shrinkage approaches, tree-based methods, support vector machines, clustering, and more. Color graphics and real-world examples are used to illustrate the methods presented. Since the goal of this textbook is to facilitate the use of these statistical learning techniques by practitioners in science, industry, and other

fields, each chapter contains a tutorial on implementing the analyses and methods presented in R, an extremely popular open source statistical software platform. Two of the authors co-wrote The Elements of Statistical Learning (Hastie, Tibshirani and Friedman, 2nd edition 2009), a popular reference book for statistics and machine learning researchers. An Introduction to Statistical Learning covers many of the same topics, but at a level accessible to a much broader audience. This book is targeted at statisticians and non-statisticians alike who wish to use cutting-edge statistical learning techniques to analyze their data. The text assumes only a previous course in linear regression and no knowledge of matrix algebra.

Algorithms—Advances in Research and Application: 2013 Edition

Explaining the Success of Nearest Neighbor Methods in Prediction

During the past decade there has been an explosion in computation and information technology. With it have come vast amounts of data in a variety of fields such as medicine, biology, finance, and marketing. The challenge of understanding these data has led to the development of new tools in the field of

statistics, and spawned new areas such as data mining, machine learning, and bioinformatics. Many of these tools have common underpinnings but are often expressed with different terminology. This book describes the important ideas in these areas in a common conceptual framework. While the approach is statistical, the emphasis is on concepts rather than mathematics. Many examples are given, with a liberal use of color graphics. It should be a valuable resource for statisticians and anyone interested in data mining in science or industry. The book's coverage is broad, from supervised learning (prediction) to unsupervised learning. The many topics include neural networks, support vector machines, classification trees and boosting---the first comprehensive treatment of this topic in any book. This major new edition features many topics not covered in the original, including graphical models, random forests, ensemble methods, least angle regression & path algorithms for the lasso, non-negative matrix factorization, and spectral clustering. There is also a chapter on methods for "wide" data (p bigger than n), including multiple testing and false discovery rates. Trevor Hastie, Robert Tibshirani, and Jerome Friedman are professors of statistics at Stanford University. They are prominent researchers in this area: Hastie and Tibshirani developed generalized additive models and wrote a popular book of that title. Hastie co-developed much of the statistical modeling software and environment in R/S-PLUS and invented principal curves and surfaces. Tibshirani proposed the lasso and is co-author of the very successful An Introduction to the Bootstrap. Friedman is the co-inventor of many data-mining tools including CART, MARS, projection pursuit and gradient

boosting.

Introduction to Applied Linear Algebra

The proceedings of SocProS 2015 will 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 using fuzzy logic, neural networks, evolutionary algorithms, swarm intelligence algorithms, etc., with many applications under the umbrella of 'Soft Computing'. The book will be beneficial for young as well as experienced researchers dealing across complex and intricate real world problems for which finding a solution by traditional methods is a difficult task. The different application areas covered in the proceedings are: Image Processing, Cryptanalysis, Industrial Optimization, Supply Chain Management, Newly Proposed Nature Inspired Algorithms, Signal Processing, Problems related to Medical and Health Care, Networking Optimization Problems, etc.

Multimedia Systems and Applications

Interpretable Machine Learning

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION