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Practical Deep Learning teaches total beginners how to build the datasets and models needed to train neural networks for your own DL projects. If you've been curious about machine learning but didn't know where to start, this is the book you've been waiting for. Focusing on the subfield of machine learning known as deep learning, it explains core concepts and gives you the foundation you need to start building your own models. Rather than simply outlining recipes for using existing toolkits, Practical Deep Learning teaches you the why of deep learning and will inspire you to explore further. All you need is basic familiarity with computer programming and high school math—the book will cover the rest. After an introduction to Python, you'll move through key topics like how to build a good training dataset, work with the scikit-learn and Keras libraries, and evaluate your models' performance. You'll also learn:

- How to use classic machine learning models like k-Nearest Neighbors, Random Forests, and Support Vector Machines
- How neural networks work and how they're trained
- How to use convolutional neural networks
- How to develop a successful deep learning model from scratch

You'll conduct experiments along the way, building to a final case study that incorporates everything you've learned. The perfect introduction to this dynamic, ever-

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expanding field, Practical Deep Learning will give you the skills and confidence to dive into your own machine learning projects.

This book constitutes the thoroughly refereed post-proceedings of the 9th International Workshop on Approximation and Online Algorithms, WAOA 2011, held in Saarbrücken, Germany, in September 2011. The 21 papers presented were carefully reviewed and selected from 48 submissions. The volume also contains an extended abstract of the invited talk of Prof. Klaus Jansen. The Workshop on Approximation and Online Algorithms focuses on the design and analysis of algorithms for online and computationally hard problems. Both kinds of problems have a large number of applications in a wide variety of fields. Topics of interest for WAOA 2011 were: algorithmic game theory, approximation classes, coloring and partitioning, competitive analysis, computational finance, cuts and connectivity, geometric problems, inapproximability results, mechanism design, network design, packing and covering, paradigms for design and analysis of approximation and online algorithms, parameterized complexity, randomization techniques and scheduling problems.

The best-selling book in Sports Illustrated Kids' Top 10 Lists series is newly revised and updated to include the best players of today! Presented in a fun format of Top 10 lists, 1st and 10 is a comprehensive look at how football players, old and new, stack up against each other with trivia and rankings of more than 30 different topics from the gridiron. Young sports fans are guaranteed to love the vibrant NFL action photos from

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the Sports Illustrated collection and the insider knowledge of Sports Illustrated Kids. Top 10 rankings include Greatest Rushers, Hardest Hitters, Trick Plays, Best Comebacks, Best Fans, and Touchdown Celebrations.

This book constitutes the proceedings of the 4th Latin American Conference on High Performance Computing, CARLA 2017, held in Buenos Aires, Argentina, and Colonia del Sacramento, Uruguay, in September 2017. The 29 papers presented in this volume were carefully reviewed and selected from 50 submissions. They are organized in topical sections named: HPC infrastructures and datacenters; HPC industry and education; GPU, multicores, accelerators; HPC applications and tools; big data and data management; parallel and distributed algorithms; Grid, cloud and federations.

This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. ¿ Learn, prepare, and practice for MCSA 70-687 exam success with this Cert Guide from Pearson IT Certification, a leader in IT certification. Master MCSA 70-687 exam topics for Windows 8.1 configuration Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks MCSA 70-687 Cert Guide: Configuring Microsoft® Windows 8.1 is a best-of-breed exam study guide. Best-selling authors and expert instructors Don Poulton, Randy Bellet, and Harry Holt share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. ¿ The book presents you with an organized test preparation routine through the use of proven

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series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. ¿ Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. ¿ The study guide helps you master all the topics on the MCSA 70-687 exam, including the following: Windows 8.1 introduction Hardware readiness and compatibility Installation and upgrades, including VHDs Migrating users, profiles, and applications Configuring devices and device drivers Installing, configuring, and securing applications Configuring Internet Explorer Configuring Hyper-V virtualization Configuring TCP/IP, network settings, and network security Configuring and securing access to files and folders, including OneDrive and NFC Configuring local security, authentication, and authorization Configuring remote connections and management Configuring and securing mobile devices Configuring Windows Updates Managing disks, backups, and system/file recovery Managing/monitoring system performance ¿

The Adaptive Brain, II: Vision, Speech, Language, and Motor Control focuses on a unified theoretical analysis and predictions of important psychological and neurological data that illustrate the development of a true theory of mind and brain. The publication first elaborates on the quantized geometry of visual space and neural dynamics of form perception. Discussions focus on reflectance rivalry and spatial frequency detection, figure-ground separation by filling-in barriers, and disinhibitory propagation of functional scaling from boundaries to interiors. The

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text then takes a look at neural dynamics of perceptual grouping and brightness perception. Topics include simulation of a parametric binocular brightness study, smoothly varying luminance contours versus steps of luminance change, macrocircuit of processing stages, paradoxical percepts as probes of adaptive processes, and analysis of the Beck theory of textural segmentation. The book examines the neural dynamics of speech and language coding and word recognition and recall, including automatic activation and limited-capacity attention, a macrocircuit for the self-organization of recognition and recall, role of intra-list restructuring and contextual associations, and temporal order information across item representations. The manuscript is a vital source of data for scientists and researchers interested in the development of a true theory of mind and brain.

The threatened species categories used in Red Data Books and Red Lists have been in place for almost 30 years. The IUCN Red List Categories and Criteria provide an easily and widely understood system for classifying species at high risk of global extinction, so as to focus attention on conservation measures designed to protect them. This latest version of the classification system was adopted by the IUCN Council in February 2001 and reflects comments from the IUCN and SSC memberships and the final meeting of the Criteria Review Working Group.

An interactive way to introduce the world of Python Programming KEY FEATURES Detailed comparisons and differentiation of python language from other most popular languages C/C++/Java. Authentic and extensive set of programming illustrations in every chapter of the book. Broad study on all the programming constructs of the python programming language such as native data types, looping, decision making, exception handling, file handling etc.

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Broad study of Python Object Oriented Programming features with illustrations. Numerous review questions and exercises at the end of every chapter. DESCRIPTION This Book is meant for wide range of readers who wish to learn the basics of Python programming language. It can be helpful for students, programmers, researchers, and software developers. The basic concepts of python programming are dealt in detail. The various concepts of python language such as object-oriented features, operators, native data types, control structures, functions, exception handling, file handling, etc are discussed in detail with the authentic programming illustration of each. presently, python programming is a hot topic among academicians's researchers, and program developers. As a result, the book is designed to give an in-depth knowledge of programming in python. This book can be used as handbook as well as a guide for students of all computer science stream at any grade beginning from 10+1 to Research in PhD. To conclude, we hope that the readers will find this book a helpful guide and valuable source of information about python programming. WHAT WILL YOU LEARN Python Data Types, Input Output Operators and Expressions Control Structures Python Functions, Modules Exception Handling File Management, Classes and Objects Inheritance, Python Operator Overloading WHO THIS BOOK IS FOR Students, Programmers, researchers, and software developers who wish to learn the basics of Python programming language. Table of Contents 1. Introduction to Python Language 2. Python Data Types and Input Output 3. Operators and Expressions 4. Control Structures 5. Python Native Data Types 6. Python Functions 7. Python Modules 8. Exception Handling 9. File Management in Python 10. Classes and Objects 11. Inheritance 12. Python Operator Overloading A guide to Microsoft Windows Server Hyper-V covers such topics as managing virtual

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machines, networking, cloud computing, using file servers, building Hyper-V clusters, backup, and disaster recovery.

Annotation 'Professional Clojure' is the experienced developer's guide to functional programming using the Clojure language. Designed specifically to meet the needs of professional developers, it briefly introduces functional programming before skipping directly to the heart of using Clojure in a real-world setting.

Each release of IBM® Data Facility Storage Management Subsystem (DFSMS) builds on the previous version. The latest release, IBM z/OS® V1.13 DFSMS, provides enhancements in these areas for the z/OS platform in a system-managed storage environment: Storage management Data access Device support Program management Distributed data access This IBM Redbooks® publication provides a summary of the functions and enhancements in z/OS V1.13 DFSMS. It provides information that you need to understand and evaluate the content of this DFSMS release, along with practical implementation hints and tips. This book also includes enhancements that are available by enabling PTFs that have been integrated into z/OS DFSMS V1.13. This book was written for storage professionals and system programmers who have experience with the components of DFSMS. It provides sufficient information so that you can start prioritizing the implementation of new functions and evaluating their applicability in your DFSMS environment.

This book, first published in 1989, is a comprehensive look at PaULS, the Pennsylvania

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Union List of Serials. The editors, both of whom have extensive experience with online union listing, have collected the previously published articles recording the development and implementation of PaULS; compiled new articles representing updated perspectives; provided the PaULS procedure manual; and included an annotated bibliography of literature about online union listing. Contributors to this fascinating volume describe extensive union listing activities of West Virginia University, a special library, Calgon Corporation, and a regional consortia, the Lehigh Valley Association of Independent Colleges.

This paper discusses the findings of Detailed Assessment of International Association of Insurance Supervisors (IAIS) insurance core principles on Italy. Regulation and supervision of the insurance industry in Italy is the responsibility of the newly established Institution for the Supervision of Insurance (IVASS). IVASS has reached international best practice in several areas of supervision. IVASS actively exercises group supervision and by 2000, IVASS established the first college of supervisors. Intragroup transactions and related party participations limits are strictly monitored and enforced. IVASS handling of the licensing of undertakings is complete and comprehensive and ensures appropriate considerations pursuant to regulations. Enhanced supervision in some areas is required.

Health Sciences Literature Review Made Easy: The Matrix Method, Fifth Edition describes the practical and useful methods for reviewing scientific literature in the health sciences. Please note that an access code to supplemental content such as Appendix C: Data Visualization is not included with the eBook purchase. To access this content please purchase an access code

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at www.jblearning.com/catalog/9781284133943/.

Special edition of the Federal Register, containing a codification of documents of general applicability and future effect ... with ancillaries.

The SSM (SSM) has made a solid start. Set up a little over three years ago, the SSM has developed into a coherent banking supervision mechanism operating across the 19 Euro Area Member States. Banking supervision at the European Central Bank (ECB) is underpinned by a clear mandate and independence from government or industry interference in individual supervisory decisions. Its well-defined supervisory methodology and processes—complemented by committed staff—have laid the foundations for more forward-looking, pre-emptive, and evenhanded supervision. This is a noteworthy achievement for the Euro Area.

Title List of Documents Made Publicly Available
Current Updated Version of the Master List of Radio Sources
Code of Federal Regulations 2000-

Find out how your county or city measures up with others across the United States! Updated annually to guarantee convenient access to current statistical information, County and City Extra is a single-volume source of data for every U.S. state, county, metropolitan area, Congressional district, and all cities with populations above 25,000.

FOUNDATIONS OF LEGAL RESEARCH AND WRITING, Fifth Edition is the ideal resource for paralegals. The book's up-to-the-minute coverage tackles the ever-evolving areas of computer-assisted research and Cyber law, in addition to traditional legal research, analysis, and writing. Extensive research chapters address primary and secondary sources, citing, Lexis/Nexis, the Internet, and more, while writing sections center on drafting client opinion letters, pleadings, contracts, office memos, memoranda of law, and appellate briefs. Every chapter gives you

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practice writing opportunities, as well as traditional and computer-assisted research assignments to help develop your skills. Detailed case excerpts, samples, tips, and discussions further support the assignments, and illustrate the many perils of inadequate research and poor legal writing. Readers everywhere agree that FOUNDATIONS OF LEGAL RESEARCH AND WRITING, Fifth Edition delivers the concepts you need for success in the most demanding law firms and legal departments today. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Healthcare expert Lori-Ann Rickard reveals the easy and practical answers that only an insider knows. Spin Your Healthcare Your Way and know what to do Before You Get Sick with her guide. Easy Healthcare: Before You Get Sick gives you the secrets no outsider would guess such as: • Your primary care doctor is your best first choice (and why) • The best and cheapest way to get better fast • Why you should avoid “urgent care” • When not to call an ambulance (and when you should) • The difference between “observation” and “admitted” at the hospital (and what it can mean for your wallet) • When to go to the ER and when not to (and why) This guide shows you how to get the best cost-effective care Before You Get Sick. Lori-Ann Rickard gives you The Bottom Line. With over 30 years of experience in the healthcare industry, HealthSpin founder Lori-Ann Rickard puts you in charge so you can Spin Your Healthcare Your Way!

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