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*Textile Chemistry* **The Snows of Kilimanjaro** *International Electronics Directory '90 Facsimile Products* **Statistical Relational Artificial Intelligence** *Markov Logic* *Gisele Freund* **Integrating New Technologies for Striga Control** **Major Companies of Europe 1993/94** **VPNs Illustrated** *Logical and Relational Learning* *Probabilistic Inductive Logic Programming* **An Introduction to Lifted Probabilistic Inference** **Common Trees of Puerto Rico and the Virgin Islands** *Knowledge Discovery from Sensor Data* **Uncertainty Reasoning for the Semantic Web I** *Knowledge Discovery from Data Streams* **Relay Handbook** **BE RICH AND HAPPY**. *Management Studies in Crisis* *Dentists* *By Fire, By Water* **Lazy Learning** **The Little Green Data** *Neural-Symbolic Learning Systems* **Handbook on Ontologies** **The Book of L** *Hello, Garden Bugs* *Handbook of Data Mining and Knowledge Discovery* **Manufacturing Facilities Design and Material Handling Science Focus 3** **World Business Directory** **Web Dynamics** **Identity Break** **Biology of Humans** **Scheduling Wheel** **Interned in Germany** **DESCRIPTIVE CATALOGUE OF THE D** **Everything Goes Better with Bar-B-Q** **Amnesty International Report 2008**

Virtual private networks (VPNs) based on the Internet instead of the traditional leased lines offer organizations of all sizes the promise of a low-cost, secure electronic network. However, using the Internet to carry sensitive information can present serious privacy and security problems. By explaining how VPNs actually work, networking expert Jon Snader shows software engineers and network administrators how to use tunneling, authentication, and encryption to create safe, effective VPNs for any environment. Using an example-driven approach, *VPNs Illustrated* explores how tunnels and VPNs function by observing their behavior "on the wire." By learning to read and interpret various network traces, such as those produced by *tcpdump*, readers will be able to better understand and troubleshoot VPN and network behavior. Specific topics covered include: Block and stream symmetric ciphers, such as AES and RC4; and asymmetric ciphers, such as RSA and ElGamal Message authentication codes, including HMACs Tunneling technologies based on *gtunnel* SSL protocol for building network-to-network VPNs SSH protocols as drop-in replacements for *telnet*, *ftp*, and the BSD *r*-commands Lightweight VPNs, including *VTun*, *CIPE*, *tinc*, and *OpenVPN* IPsec, including its Authentication Header (AH) protocol, Encapsulating Security Payload (ESP), and IKE (the key management protocol) Packed with details, the text can be used as a handbook describing the functions of the protocols and the message formats that they use. Source code is available for download, and an appendix covers publicly available software that can be used to build tunnels and analyze traffic flow. *VPNs Illustrated* gives you the knowledge of tunneling and VPN technology you need to understand existing VPN implementations and successfully create your own. *Textile Chemistry* gives a detailed and explanatory overview on mainly chemical but also physical aspects of fabrics. It contains definitions, basic components and their properties, physicochemical processes, as well as chemical modification of textiles, highlighting the application of smart materials. The book also provides exercises and sample calculations, which makes it ideal for students and scientists in industry. Recent advances in the area of lifted inference, which exploits the structure inherent in relational probabilistic models. Statistical relational AI (StaRAI) studies the integration of reasoning under uncertainty with reasoning about individuals and relations. The representations used are often called relational probabilistic models. Lifted inference is about how to exploit the structure inherent in relational probabilistic models, either in the way they are expressed or by extracting structure from observations. This book covers recent significant advances in the area of lifted inference, providing a unifying introduction to this very active field. After providing necessary background on probabilistic graphical models, relational probabilistic models, and learning inside these models, the book turns to lifted inference, first covering exact inference and then approximate inference. In addition, the book considers the theory of liftability and acting in relational domains, which allows the connection of learning and reasoning in relational domains. Witchweeds (*Striga* species) decimate agriculture in much of Africa and parts of Asia, attacking the major cereal grains and legumes, and halving the already very low yields of subsistence farmers. Several years of research have provided promising technologies, based on the fundamental biology of the parasite-host associations, for dealing with this scourge. However, there is an apparent realization that these technologies will fail because highly successful weeds such as *Striga* evolve resistance to all types of controls unless proven methods are integrated with each other for a more sustainable solution. Integration is often an anathema to basic scientists who typically deal with single variables and solutions. However, key leaders in the development of the new knowledge-based control strategies, already in the field and under development, recently joined forces to develop strategies and projects in order to integrate the technologies in a symposium in Ethiopia in November 2006. The encouraging results are described in this peer-reviewed book, authored by leaders in the field who have been supplying the basic biology, genetics, biochemistry, and molecular information that have offered insights and generated technologies in how to deal with *Striga*. Ladybugs, snails, and butterflies! Oh my! This charming introduction to ten garden bugs, paired with friendly text and bold, basic patterns, provides a great high-contrast experience for young developing eyes. Newborns cannot fully recognize colors, so the sharp contrast between black and white patterns and illustrations allows babies to follow along and make connections to the real world, an important building block for communication skills. Using simple greetings like "Hello, bumblebee" and "Good to see you, dragonfly" alongside black-and-white art by Julissa Mora, *Hello, Garden Bugs* is the perfect board book for babies just beginning to look around and learn about their world. Featured in *Omnivoracious*. Also available: *Hello, Baby Animals* and *Hello, Ocean Friends*. Coming soon: *Hello, My World*. Data mining, or knowledge discovery in databases (KDD), is one of the fastest growing areas in computing application: it offers powerful tools to analyze the many large data bases used in business, science, and industry. Data mining technology searches large databases to extract information and patterns that can be translated into useful applications, such as classifying or predicting customer behavior. This book brings together fundamental knowledge on all aspects of data mining--concepts, theory, techniques, applications, and case studies. Designed for students and professionals in such fields as computing applications, information systems management and strategic research and management, the Handbook is a comprehensive guide to essential tools and technology, from neural networks to artificial intelligence. There is a strong emphasis on real-world case studies in such areas as banking, finance, marketing management, real

estate, engineering, medicine, pharmacology, and the biosciences. A much needed resource on one of the fastest growing areas of computer applications--the development and use of tools to analyze, interpret, and make use of the enormous amounts of information stored in the world's databases. The World Wide Web has become a ubiquitous global tool, used for finding information, communicating ideas, carrying out distributed computation and conducting business, learning and science. The Web is highly dynamic in both the content and quantity of the information that it encompasses. In order to fully exploit its enormous potential as a global repository of information, we need to understand how its size, topology and content are evolving. This then allows the development of new techniques for locating and retrieving information that are better able to adapt and scale to its change and growth. The Web's users are highly diverse and can access the Web from a variety of devices and interfaces, at different places and times, and for varying purposes. We thus also need techniques for personalising the presentation and content of Web based information depending on how it is being accessed and on the specific user's requirements. As well as being accessed by human users, the Web is also accessed by applications. New applications in areas such as e-business, sensor networks, and mobile and ubiquitous computing need to be able to detect and react quickly to events and changes in Web-based information. Traditional approaches using query-based 'pull' of information to find out if events or changes of interest have occurred may not be able to scale to the quantity and frequency of events and changes being generated, and new 'push' -based techniques are needed. Known for its unique "Special Topic" chapters and emphasis on everyday health concerns, the Fifth Edition of *Biology of Humans: Concepts, Applications, and Issues* continues to personalize the study of human biology with a conversational writing style, stunning art, abundant applications, and tools to help you develop critical-thinking skills. The authors give you a practical and friendly introduction for understanding how their bodies work and for preparing them to navigate today's world of rapidly expanding—and shifting—health information. Each chapter now opens with new "Did You Know?" questions that pique your interest with intriguing and little-known facts about the topic that follows. The Fifth Edition also features a new "Special Topic" chapter (1a) titled "Becoming a Patient: A Major Decision," which discusses how to select a doctor and/or a hospital, how to research health conditions, and more. This book provides an introduction to probabilistic inductive logic programming. It places emphasis on the methods based on logic programming principles and covers formalisms and systems, implementations and applications, as well as theory. This book is dedicated to Aristid Lindenmayer on the occasion of his 60th birthday on November 17, 1985. Contributions range from mathematics and theoretical computer science to biology. Aristid Lindenmayer introduced language-theoretic models for developmental biology in 1968. Since then the models have been customarily referred to as L systems. Lindenmayer's invention turned out to be one of the most beautiful examples of interdisciplinary science: work in one area (developmental biology) induces most fruitful ideas in other areas (theory of formal languages and automata, and formal power series). As evident from the articles and references in this book, the interest in L systems is continuously growing. For newcomers the first contact with L systems usually happens via the most basic class of L systems, namely, DOL systems. Here "0" stands for zero context between developing cells. It has been a major typographical problem that printers are unable to distinguish between 0 (zero) and 0 (oh). Thus, DOL was almost always printed with "oh" rather than "zero", and also pronounced that way. However, this misunderstanding turned out to be very fortunate. The wrong spelling "DOL" of "DOL" could be read in the suggestive way: DO L Indeed, hundreds of researchers have followed this suggestion. Some of them appear as contributors to this book. Of the many who could not contribute, we in particular regret the absence of A. Ehrenfeucht, G. Herman and H.A. Maurer whose influence in the theory of L systems has been most significant. The *Little Green Data Book 2017* is based on World Development Indicators 2017 and its online database. Defining, gathering, and disseminating international statistics is a collective effort of many people and organizations. The indicators presented in World Development Indicators are the fruit of decades of work at many levels, from the field workers who administer censuses and household surveys to the committees and working parties of the national and international statistical agencies that develop the nomenclature, classifications, and standards fundamental to the international statistical system. Nongovernmental organizations have also made important contributions. We are indebted to the World Development Indicators partners, as detailed in World Development Indicators 2017. Most subfields of computer science have an interface layer via which applications communicate with the infrastructure, and this is key to their success (e.g., the Internet in networking, the relational model in databases, etc.). So far this interface layer has been missing in AI. First-order logic and probabilistic graphical models each have some of the necessary features, but a viable interface layer requires combining both. Markov logic is a powerful new language that accomplishes this by attaching weights to first-order formulas and treating them as templates for features of Markov random fields. Most statistical models in wide use are special cases of Markov logic, and first-order logic is its infinite-weight limit. Inference algorithms for Markov logic combine ideas from satisfiability, Markov chain Monte Carlo, belief propagation, and resolution. Learning algorithms make use of conditional likelihood, convex optimization, and inductive logic programming. Markov logic has been successfully applied to problems in information extraction and integration, natural language processing, robot mapping, social networks, computational biology, and others, and is the basis of the open-source *Alchemy* system. This first textbook on multi-relational data mining and inductive logic programming provides a complete overview of the field. It is self-contained and easily accessible for graduate students and practitioners of data mining and machine learning. This edited collection describes recent progress on lazy learning, a branch of machine learning concerning algorithms that defer the processing of their inputs, reply to information requests by combining stored data, and typically discard constructed replies. It is the first edited volume in AI on this topic, whose many synonyms include 'instance-based', 'memory-based', 'exemplar-based', and 'local learning', and whose topic intersects case-based reasoning and edited k-nearest neighbor classifiers. It is intended for AI researchers and students interested in pursuing recent progress in this branch of machine learning, but, due to the breadth of its contributions, it should also interest researchers and practitioners of data mining, case-based reasoning, statistics, and pattern recognition. Recipient of the Independent Publishers Award for Historical Fiction (Gold Medal), the Foreword Book of the Year Award for Historical Fiction (Bronze Medal), and an honorable mention in the category of General Fiction for the Eric Hoffer Award. Luis de Santángel, chancellor to the court and longtime friend of the lusty King Ferdinand, has had enough of the Spanish Inquisition. As the power of Inquisitor General Tomás de Torquemada grows, so does the brutality of the Spanish church and the suspicion and paranoia it inspires. When a dear friend's demise brings the violence close to home, Santángel is enraged and takes retribution into his own hands. But he is from a family of conversos, and his Jewish heritage makes him an easy target. As Santángel witnesses the horrific persecution of his loved ones, he begins slowly to reconnect with the Jewish faith his family left behind. Feeding his curiosity about his past is his growing love for Judith Migdal, a clever and

beautiful Jewish woman navigating the mounting tensions in Granada. While he struggles to decide what his reputation is worth and what he can sacrifice, one man offers him a chance he thought he'd lost...the chance to hope for a better world. Christopher Columbus has plans to discover a route to paradise, and only Luis de Santángel can help him. Within the dramatic story lies a subtle, insightful examination of the crisis of faith at the heart of the Spanish Inquisition. Irresolvable conflict rages within the conversos in *By Fire, By Water*, torn between the religion they left behind and the conversion meant to ensure their safety. In this story of love, God, faith, and torture, fifteenth-century Spain comes to dazzling, engrossing life.

Since the beginning of the Internet age and the increased use of ubiquitous computing devices, the large volume and continuous flow of distributed data have imposed new constraints on the design of learning algorithms. Exploring how to extract knowledge structures from evolving and time-changing data, *Knowledge Discovery from Data Streams* presents a coherent overview of state-of-the-art research in learning from data streams. The book covers the fundamentals that are imperative to understanding data streams and describes important applications, such as TCP/IP traffic, GPS data, sensor networks, and customer click streams. It also addresses several challenges of data mining in the future, when stream mining will be at the core of many applications. These challenges involve designing useful and efficient data mining solutions applicable to real-world problems. In the appendix, the author includes examples of publicly available software and online data sets. This practical, up-to-date book focuses on the new requirements of the next generation of data mining. Although the concepts presented in the text are mainly about data streams, they also are valid for different areas of machine learning and data mining.

Open wide! Dentists care for people's teeth. Give readers the inside scoop on what it's like to be a dentist. Readers will learn what dentists do, the tools they use, and how people get this exciting job. This book constitutes the thoroughly refereed first three workshops on Uncertainty Reasoning for the Semantic Web (URSW), held at the International Semantic Web Conferences (ISWC) in 2005, 2006, and 2007. The 22 papers presented are revised and strongly extended versions of selected workshops papers as well as invited contributions from leading experts in the field and closely related areas. The present volume represents the first comprehensive compilation of state-of-the-art research approaches to uncertainty reasoning in the context of the semantic Web, capturing different models of uncertainty and approaches to deductive as well as inductive reasoning with uncertain formal knowledge.

Scheduling Chart Wheel This calculator provides the following information with one setting for a great scheduling.- Front - Date (Month, No. of Weeks, No. of Days) -Back - Perpetual Calendar (Month, Year 2010 - 2030)Size: 6" /ISBN No. 9781622709847 Artificial Intelligence is concerned with producing devices that help or replace human beings in their daily activities. Neural-symbolic learning systems play a central role in this task by combining, and trying to benefit from, the advantages of both the neural and symbolic paradigms of artificial intelligence. This book provides a comprehensive introduction to the field of neural-symbolic learning systems, and an invaluable overview of the latest research issues in this area. It is divided into three sections, covering the main topics of neural-symbolic integration - theoretical advances in knowledge representation and learning, knowledge extraction from trained neural networks, and inconsistency handling in neural-symbolic systems. Each section provides a balance of theory and practice, giving the results of applications using real-world problems in areas such as DNA sequence analysis, power systems fault diagnosis, and software requirements specifications. *Neural-Symbolic Learning Systems* will be invaluable reading for researchers and graduate students in Engineering, Computing Science, Artificial Intelligence, Machine Learning and Neurocomputing. It will also be of interest to Intelligent Systems practitioners and anyone interested in applications of hybrid artificial intelligence systems.

How far would you go to find yourself? Imagine everything you thought you knew about yourself turned out to be a lie, and you didn't know who was telling the truth. Imagine you possessed a secret so dangerous that, if it were exposed, it would reshape the entire world. What would you do if that secret were your very identity? In almost every way, Palo Vista seems like a typical California city, with office buildings, schools, and homes sprawled out across suburbia, filled with families making a life for themselves at the dawn of the new millennium. But two seniors at Mt. MacMurray High are about to find out that nothing is as it seems. Jason Nix is a star athlete and honors student who can't seem to remember anything about his childhood. Elyse Van Auten is a budding artist from a broken home whose father left her mother two years ago - or so she's been led to believe. Like most teens entering adulthood, Elyse and Jason just want to find out who they really are. For them, however, the stakes go far beyond their own personal quest. Join them on a journey of self-discovery that becomes a desperate fight for survival against enemies determined to conceal the truth ... and find out what happens when that fight becomes personal.

Volumes 1 & 2 Guide to the MAJOR COMPANIES OF EUROPE 1993/94, Volume 1, arrangement of the book contains useful information on over 4000 of the top companies in the European Community, excluding the UK, over 1100 This book has been arranged in order to allow the reader to companies of which are covered in Volume 2. Volume 3 covers find any entry rapidly and accurately. over 1300 of the top companies within Western Europe but outside the European Community. Altogether the three Company entries are listed alphabetically within each country volumes of MAJOR COMPANIES OF EUROPE now provide in section; in addition three indexes are provided in Volumes 1 authoritative detail, vital information on over 6500 of the largest and 3 on coloured paper at the back of the books, and two companies in Western Europe. indexes in the case of Volume 2. MAJOR COMPANIES OF EUROPE 1993/94, Volumes 1 The alphabetical index to companies throughout the & 2 contain many of the largest companies in the world. The Continental EC lists all companies having entries in Volume 1 area covered by these volumes, the European Community, in alphabetical order irrespective of their main country of represents a rich consumer market of over 320 million people. operation. Over one third of the world's imports and exports are channelled through the EG. The Community represents the The alphabetical index in Volume 1 to companies within each world's largest integrated market. This annual report documents human rights abuses by governments and armed opposition groups in 150 countries across the world. It provides an invaluable reference guide to international human rights developments. The Science Focus Second Edition is the complete science package for the teaching of the New South Wales Stage 4 and 5 Science Syllabus. The Science Focus Second Edition package retains the identified strengths of the highly successful First Edition and includes a number of new and exciting features, improvements and components. This book contains thoroughly refereed extended papers from the Second International Workshop on Knowledge Discovery from Sensor Data, Sensor-KDD 2008, held in Las Vegas, NV, USA, in August 2008. The 12 revised papers presented together with an invited paper were carefully reviewed and selected from numerous submissions. The papers feature important aspects of knowledge discovery from sensor data, e.g., data mining for diagnostic debugging; incremental histogram distribution for change detection; situation-aware adaptive visualization; WiFi mining; mobile sensor data mining; incremental anomaly detection; and spatiotemporal neighborhood discovery for sensor data. International Electronics Directory '90, Third Edition: The Guide to European Manufacturers, Agents and Applications,

Part 1 comprises a directory of various manufacturers in Europe and a directory of agents in Europe. This book contains a classified directory of electronic products and services where both manufacturers and agents are listed. This edition is organized into two sections. Section 1 provides details of manufacturers, including number of employees, production program, names of managers, as well as links with other companies. The entries are listed alphabetically on a country-by-country basis. Section 2 provides information concerning agents or representatives, including names of manufacturers represented, names of managers, number of employees, and range of products handled. A number of these companies are also active in manufacturing and so appear in both Section 1 and Section 2. This book is a valuable resource for private consumers. Management research is criticised for poor research practices and not addressing important problems. Tourish proposes fundamental changes to rescue it from crisis. A must read for management and organisation scholars, practising managers, university administrators and policy makers within higher education. Clean and basic recipe cookbook for people who like to write their family recipes down. Best gift for the grill master, cook, chef, foodie who love BBQ, steak, rib, brisket and smoked meat. Perfect as a gift bundle with grilling accessories Designed for food fans, wonderful chef, restaurant owner, manager or anyone who has a good sense of humor. Are you constantly dusted in pepper or salt? Your hands smell of lemon and vinegar? Love experimenting with new sauces and creams? An intelligent agent interacting with the real world will encounter individual people, courses, test results, drugs prescriptions, chairs, boxes, etc., and needs to reason about properties of these individuals and relations among them as well as cope with uncertainty. Uncertainty has been studied in probability theory and graphical models, and relations have been studied in logic, in particular in the predicate calculus and its extensions. This book examines the foundations of combining logic and probability into what are called relational probabilistic models. It introduces representations, inference, and learning techniques for probability, logic, and their combinations. The book focuses on two representations in detail: Markov logic networks, a relational extension of undirected graphical models and weighted first-order predicate calculus formula, and Problog, a probabilistic extension of logic programs that can also be viewed as a Turing-complete relational extension of Bayesian networks. This project-oriented facilities design and material handling reference explores the techniques and procedures for developing an efficient facility layout, and introduces some of the state-of-the-art tools involved, such as computer simulation. A "how-to," systematic, and methodical approach leads readers through the collection, analysis and development of information to produce a quality functional plant layout. Lean manufacturing; work cells and group technology; time standards; the concepts behind calculating machine and personnel requirements, balancing assembly lines, and leveling workloads in manufacturing cells; automatic identification and data collection; and ergonomics. For facilities planners, plant layout, and industrial engineer professionals who are involved in facilities planning and design. This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant. An ontology is a description (like a formal specification of a program) of concepts and relationships that can exist for an agent or a community of agents. The concept is important for the purpose of enabling knowledge sharing and reuse. The Handbook on Ontologies provides a comprehensive overview of the current status and future perspectives of the field of ontologies. The handbook demonstrates standards that have been created recently, it surveys methods that have been developed and it shows how to bring both into practice of ontology infrastructures and applications that are the best of their kind. This book has been considered by academicians and scholars of great significance and value to literature. This forms a part of the knowledge base for future generations. So that the book is never forgotten we have represented this book in a print format as the same form as it was originally first published. Hence any marks or annotations seen are left intentionally to preserve its true nature. Presents a brief study of the snows of Mount Kilimanjaro located on the eastern part of Africa and examines why the snow and ice seems to be disappearing.

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