

# Practical Rdf O Reilly Media

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Web Information Systems and Technologies José Cordeiro 2013-01-31 This book contains the thoroughly refereed and revised best papers from the 8th International Conference on Web Information Systems and Technologies, WEBIST 2012, held in Porto, Portugal, in April 2012, and organized by the Institute for Systems and Technologies of Information, Control and Communication (INSTICC), in collaboration with ACM SIGMIS. The 23 papers presented in this book were carefully reviewed and selected from 184 submissions. The papers were selected from those with the best reviews also taking into account the quality of their presentation at the conference. The papers are grouped into parts on Internet Technology; Web Interfaces and Applications; Society, e-Business, and e-Government; Web Intelligence; and Mobile Information Systems.

**Mining the Social Web** Matthew A. Russell 2011-01-21 Provides information on data analysis from a vareity of social networking sites, including Facebook, Twitter, and LinkedIn.

**E-Librarian Service** Serge Linckels 2011-04-06 This book introduces a new approach to designing E-Librarian Services. With the help of this system, users will be able to retrieve multimedia resources from digital libraries more efficiently than they would by browsing through an index or by using a simple keyword search. E-Librarian Services combine recent advances in multimedia information retrieval with aspects of human-machine interfaces, such as the ability to ask questions in natural language; they

simulate a human librarian by finding and delivering the most relevant documents that offer users potential answers to their queries. The premise is that more pertinent results can be retrieved if the search engine understands the meaning of the query; the returned results are therefore logical consequences of an inference rather than of keyword matches. Moreover, E-Librarian Services always provide users with a solution, even in situations where they are unable to offer a comprehensive answer.

**Developing Feeds with RSS and Atom** Ben Hammersley 2005-04-13 Perhaps the most explosive technological trend over the past two years has been blogging. As a matter of fact, it's been reported that the number of blogs during that time has grown from 100,000 to 4.8 million-with no end to this growth in sight. What's the technology that makes blogging tick? The answer is RSS--a format that allows bloggers to offer XML-based feeds of their content. It's also the same technology that's incorporated into the websites of media outlets so they can offer material (headlines, links, articles, etc.) syndicated by other sites. As the main technology behind this rapidly growing field of content syndication, RSS is constantly evolving to keep pace with worldwide demand. That's where *Developing Feeds with RSS and Atom* steps in. It provides bloggers, web developers, and programmers with a thorough explanation of syndication in general and the most popular technologies used to develop feeds. This book not only highlights all the new features of RSS 2.0--the most recent RSS specification--but also offers complete coverage of its close second in the XML-feed arena, Atom. The book has been exhaustively revised to explain: metadata interpretation the different forms of content syndication the increasing use of web services how to use popular RSS news aggregators on the market After an introduction that examines Internet content syndication in general (its purpose, limitations, and traditions), this step-by-step guide tackles various RSS and Atom vocabularies, as well as techniques for applying syndication to problems beyond news feeds. Most importantly, it gives you a firm handle on how to create your own feeds, and consume or combine other feeds. If you're interested in producing your own content feed, *Developing Feeds with RSS and Atom* is the one book you'll want in hand.

**Data Mining: Concepts, Methodologies, Tools, and Applications** Management Association, Information Resources 2012-11-30 Data mining continues to be an emerging interdisciplinary field that offers the ability to extract information from an existing data set and translate that knowledge for end-users into an

understandable way. *Data Mining: Concepts, Methodologies, Tools, and Applications* is a comprehensive collection of research on the latest advancements and developments of data mining and how it fits into the current technological world.

Learning Node Shelley Powers 2012-10-03 Provides information on writing scalable network applications using the JavaScript-based platform.

Advanced Computing Strategies for Engineering Ian F. C. Smith 2018-06-09 This double volume set ( LNAI 10863-10864) constitutes the refereed proceedings of the 25th International Workshop, EG-ICE 2018, held in Lausanne, Switzerland, in June 2018. The 58 papers presented in this volume were carefully reviewed and selected from 108 submissions. The papers are organized in topical sections on Advanced Computing in Engineering, Computer Supported Construction Management, Life-Cycle Design Support, Monitoring and Control Algorithms in Engineering, and BIM and Engineering Ontologies.

Learning SPARQL Bob DuCharme 2011-07-21 Get hands-on experience with SPARQL, the RDF query language that's become a key component of the semantic web. With this concise book, you will learn how to use the latest version of this W3C standard to retrieve and manipulate the increasing amount of public and private data available via SPARQL endpoints. Several open source and commercial tools already support SPARQL, and this introduction gets you started right away. Begin with how to write and run simple SPARQL 1.1 queries, then dive into the language's powerful features and capabilities for manipulating the data you retrieve. Learn what you need to know to add to, update, and delete data in RDF datasets, and give web applications access to this data. Understand SPARQL's connection with RDF, the semantic web, and related specifications Query and combine data from local and remote sources Copy, convert, and create new RDF data Learn how datatype metadata, standardized functions, and extension functions contribute to your queries Incorporate SPARQL queries into web-based applications

Practical PostgreSQL Joshua D. Drake 2002-01-07 Arguably the most capable of all the open source databases, PostgreSQL is an object-relational database management system first developed in 1977 by

the University of California at Berkeley. In spite of its long history, this robust database suffers from a lack of easy-to-use documentation. Practical PostgreSQL fills that void with a fast-paced guide to installation, configuration, and usage. This comprehensive new volume shows you how to compile PostgreSQL from source, create a database, and configure PostgreSQL to accept client-server connections. It also covers the many advanced features, such as transactions, versioning, replication, and referential integrity that enable developers and DBAs to use PostgreSQL for serious business applications. The thorough introduction to PostgreSQL's PL/pgSQL programming language explains how you can use this very useful but under-documented feature to develop stored procedures and triggers. The book includes a complete command reference, and database administrators will appreciate the chapters on user management, database maintenance, and backup & recovery. With Practical PostgreSQL, you will discover quickly why this open source database is such a great open source alternative to proprietary products from Oracle, IBM, and Microsoft.

**The SenticNet Sentiment Lexicon: Exploring Semantic Richness in Multi-Word Concepts** Raoul Biagioni

2016-05-28 The research and its outcomes presented in this book, is about lexicon-based sentiment analysis. It uses single-, and multi-word concepts from the SenticNet sentiment lexicon as the source of sentiment information for the purpose of sentiment classification. In 6 chapters the book sheds light on the comparison of sentiment classification accuracy between single-word and multi-word concepts, for which a bespoke sentiment analysis system developed by the author was used. This book will be of interest to students, educators and researchers in the field of Sentic Computing.

**Advances in Mechanical and Electronic Engineering** David Jin 2012-06-26

This book includes the volume 2 of the proceedings of the 2012 International Conference on Mechanical and Electronic Engineering(ICMEE2012), held at June 23-24,2012 in Hefei, China. The conference provided a rare opportunity to bring together worldwide researchers who are working in the fields. This volume 2 is focusing on Mechatronic Engineering and Technology, Electronic Engineering and Electronic Information Technology .

*Learning JavaScript* Shelley Powers 2008-12-16 If you're new to JavaScript, or an experienced web

developer looking to improve your skills, Learning JavaScript provides you with complete, no-nonsense coverage of this quirky yet essential language for web development. You'll learn everything from primitive data types to complex features, including JavaScript elements involved with Ajax and dynamic page effects. By the end of the book, you'll be able to work with even the most sophisticated libraries and web applications. Complete with best practices and examples of JavaScript use, this new edition shows you how to integrate the language with the browser environment, and how to practice proper coding techniques for standards-compliant websites. This book will help you: Learn the JavaScript application structure, including basic statements and control structures Identify JavaScript objects—String, Number, Boolean, Function, and more Use browser debugging tools and troubleshooting techniques Understand event handling, form events, and JavaScript applications with forms Develop with the Browser Object Model, the Document Object Model, and custom objects you create Learn about browser cookies and more modern client-side storage techniques Get details for using XML or JSON with Ajax applications Learning JavaScript follows proven learning principles to help you absorb the concepts at an easy pace, so you'll learn how to create powerful and responsive applications in any browser.

**Natural Language Processing with Python** Steven Bird 2009-06-12 This book offers a highly accessible introduction to natural language processing, the field that supports a variety of language technologies, from predictive text and email filtering to automatic summarization and translation. With it, you'll learn how to write Python programs that work with large collections of unstructured text. You'll access richly annotated datasets using a comprehensive range of linguistic data structures, and you'll understand the main algorithms for analyzing the content and structure of written communication. Packed with examples and exercises, Natural Language Processing with Python will help you: Extract information from unstructured text, either to guess the topic or identify "named entities" Analyze linguistic structure in text, including parsing and semantic analysis Access popular linguistic databases, including WordNet and treebanks Integrate techniques drawn from fields as diverse as linguistics and artificial intelligence This book will help you gain practical skills in natural language processing using the Python programming language and the Natural Language Toolkit (NLTK) open source library. If you're interested in developing web applications, analyzing multilingual news sources, or documenting endangered languages -- or if you're simply curious to have a programmer's perspective on how human language works -- you'll find

Natural Language Processing with Python both fascinating and immensely useful.

**Learning XML** Erik T. Ray 2003-09-22 This second edition of the bestselling Learning XML provides web developers with a concise but grounded understanding of XML (the Extensible Markup Language) and its potential-- not just a whirlwind tour of XML. The author explains the important and relevant XML technologies and their capabilities clearly and succinctly with plenty of real-life projects and useful examples. He outlines the elements of markup--demythifying concepts such as attributes, entities, and namespaces--and provides enough depth and examples to get started. Learning XML is a reliable source for anyone who needs to know XML, but doesn't want to waste time wading through hundreds of web sites or 800 pages of bloated text. For writers producing XML documents, this book clarifies files and the process of creating them with the appropriate structure and format. Designers will learn what parts of XML are most helpful to their team and will get started on creating Document Type Definitions. For programmers, the book makes syntax and structures clear. Learning XML also discusses the stylesheets needed for viewing documents in the next generation of browsers, databases, and other devices. Learning XML illustrates the core XML concepts and language syntax, in addition to important related tools such as the CSS and XSL styling languages and the XLink and XPointer specifications for creating rich link structures. It includes information about three schema languages for validation: W3C Schema, Schematron, and RELAX-NG, which are gaining widespread support from people who need to validate documents but aren't satisfied with DTDs. Also new in this edition is a chapter on XSL-FO, a powerful formatting language for XML. If you need to wade through the acronym soup of XML and start to really use this powerful tool, Learning XML, will give you the roadmap you need.

*Structuring Music through Markup Language: Designs and Architectures* Steyn, Jacques 2012-11-30 "This book offers a different approach to music by focusing on the information organization and the development of XML-based language, presenting a new set of tools for practical implementations, and a new investigation into the theory of music"--Provided by publisher.

**Coastal Informatics: Web Atlas Design and Implementation** Wright, Dawn 2010-07-31 "This book examines state-of-the-art developments in coastal informatics (e.g., data portals, data/ metadata

vocabularies and ontologies, metadata creation/ extraction/ cross-walking tools, geographic and information management systems, grid computing) and coastal mapping (particularly via Internet map servers and web-based geographical information and analysis)"--Provided by publisher.

**Practical RDF** Shelley Powers 2003-07-18 The Resource Description Framework (RDF) is a structure for describing and interchanging metadata on the Web--anything from library catalogs and worldwide directories to bioinformatics, Mozilla internal data structures, and knowledge bases for artificial intelligence projects. RDF provides a consistent framework and syntax for describing and querying data, making it possible to share website descriptions more easily. RDF's capabilities, however, have long been shrouded by its reputation for complexity and a difficult family of specifications. Practical RDF breaks through this reputation with immediate and solvable problems to help you understand, master, and implement RDF solutions. Practical RDF explains RDF from the ground up, providing real-world examples and descriptions of how the technology is being used in applications like Mozilla, FOAF, and Chandler, as well as infrastructure you can use to build your own applications. This book cuts to the heart of the W3C's often obscure specifications, giving you tools to apply RDF successfully in your own projects. The first part of the book focuses on the RDF specifications. After an introduction to RDF, the book covers the RDF specification documents themselves, including RDF Semantics and Concepts and Abstract Model specifications, RDF constructs, and the RDF Schema. The second section focuses on programming language support, and the tools and utilities that allow developers to review, edit, parse, store, and manipulate RDF/XML. Subsequent sections focus on RDF's data roots, programming and framework support, and practical implementation and use of RDF and RDF/XML. If you want to know how to apply RDF to information processing, Practical RDF is for you. Whether your interests lie in large-scale information aggregation and analysis or in smaller-scale projects like weblog syndication, this book will provide you with a solid foundation for working with RDF.

**User-Centered Data Management** Tiziana Catarci 2022-05-31 This lecture covers several core issues in user-centered data management, including how to design usable interfaces that suitably support database tasks, and relevant approaches to visual querying, information visualization, and visual data mining. Novel interaction paradigms, e.g., mobile and interfaces that go beyond the visual dimension, are also

discussed. Table of Contents: Why User-Centered / The Early Days: Visual Query Systems / Beyond Querying / More Advanced Applications / Non-Visual Interfaces / Conclusions

**Advances in Informatics and Computing in Civil and Construction Engineering** Ivan Mutis 2018-10-08 This proceedings volume chronicles the papers presented at the 35th CIB W78 2018 Conference: IT in Design, Construction, and Management, held in Chicago, IL, USA, in October 2018. The theme of the conference focused on fostering, encouraging, and promoting research and development in the application of integrated information technology (IT) throughout the life-cycle of the design, construction, and occupancy of buildings and related facilities. The CIB – International Council for Research and Innovation in Building Construction – was established in 1953 as an association whose objectives were to stimulate and facilitate international cooperation and information exchange between governmental research institutes in the building and construction sector, with an emphasis on those institutes engaged in technical fields of research. The conference brought together more than 200 scholars from 40 countries, who presented the innovative concepts and methods featured in this collection of papers.

RDF Database Systems Olivier Curé 2014-11-24 RDF Database Systems is a cutting-edge guide that distills everything you need to know to effectively use or design an RDF database. This book starts with the basics of linked open data and covers the most recent research, practice, and technologies to help you leverage semantic technology. With an approach that combines technical detail with theoretical background, this book shows how to design and develop semantic web applications, data models, indexing and query processing solutions. Understand the Semantic Web, RDF, RDFS, SPARQL, and OWL within the context of relational database management and NoSQL systems Learn about the prevailing RDF triples solutions for both relational and non-relational databases, including column family, document, graph, and NoSQL Implement systems using RDF data with helpful guidelines and various storage solutions for RDF Process SPARQL queries with detailed explanations of query optimization, query plans, caching, and more Evaluate which approaches and systems to use when developing Semantic Web applications with a helpful description of commercial and open-source systems

REST in Practice Jim Webber 2010-09-17 REST continues to gain momentum as the best method for

building Web services, and this down-to-earth book delivers techniques and examples that show how to design and implement integration solutions using the REST architectural style.

*XML in a Nutshell* Elliotte Rusty Harold 2002 A reference to the fundamental rules of XML details tags, grammar, placement, element names, attributes, and syntax.

Metadata Jeffrey Pomerantz 2015-11-06 Everything we need to know about metadata, the usually invisible infrastructure for information with which we interact every day. When “metadata” became breaking news, appearing in stories about surveillance by the National Security Agency, many members of the public encountered this once-obscure term from information science for the first time. Should people be reassured that the NSA was “only” collecting metadata about phone calls—information about the caller, the recipient, the time, the duration, the location—and not recordings of the conversations themselves? Or does phone call metadata reveal more than it seems? In this book, Jeffrey Pomerantz offers an accessible and concise introduction to metadata. In the era of ubiquitous computing, metadata has become infrastructural, like the electrical grid or the highway system. We interact with it or generate it every day. It is not, Pomerantz tell us, just “data about data.” It is a means by which the complexity of an object is represented in a simpler form. For example, the title, the author, and the cover art are metadata about a book. When metadata does its job well, it fades into the background; everyone (except perhaps the NSA) takes it for granted. Pomerantz explains what metadata is, and why it exists. He distinguishes among different types of metadata—descriptive, administrative, structural, preservation, and use—and examines different users and uses of each type. He discusses the technologies that make modern metadata possible, and he speculates about metadata's future. By the end of the book, readers will see metadata everywhere. Because, Pomerantz warns us, it's metadata's world, and we are just living in it.

**Visual Analytics and Interactive Technologies: Data, Text and Web Mining Applications** Zhang, Qingyu 2010-10-31 "This book is a comprehensive reference on concepts, algorithms, theories, applications, software, and visualization of data mining, text mining, Web mining and computing/supercomputing, covering state-of-the-art of the theory and applications of mining"--

Multimedia Semantics - The Role of Metadata Michael Granitzer 2008-06-04 This book gives an overview on fundamental issues within the field of multimedia metadata focusing on contextualized, ubiquitous, accessible and interoperable services on a higher semantic level. The book provides a selection of basic articles being a base for multimedia metadata research. Furthermore, it brings together experts from research and industry to present a view on the current state-of-the-art in recent research in Multimedia Semantics and the role of Metadata.

Validating RDF Data Jose Emilio Labra Gayo 2022-05-31 RDF and Linked Data have broad applicability across many fields, from aircraft manufacturing to zoology. Requirements for detecting bad data differ across communities, fields, and tasks, but nearly all involve some form of data validation. This book introduces data validation and describes its practical use in day-to-day data exchange. The Semantic Web offers a bold, new take on how to organize, distribute, index, and share data. Using Web addresses (URIs) as identifiers for data elements enables the construction of distributed databases on a global scale. Like the Web, the Semantic Web is heralded as an information revolution, and also like the Web, it is encumbered by data quality issues. The quality of Semantic Web data is compromised by the lack of resources for data curation, for maintenance, and for developing globally applicable data models. At the enterprise scale, these problems have conventional solutions. Master data management provides an enterprise-wide vocabulary, while constraint languages capture and enforce data structures. Filling a need long recognized by Semantic Web users, shapes languages provide models and vocabularies for expressing such structural constraints. This book describes two technologies for RDF validation: Shape Expressions (ShEx) and Shapes Constraint Language (SHACL), the rationales for their designs, a comparison of the two, and some example applications.

Revolutionizing Enterprise Interoperability through Scientific Foundations Charalabidis, Yannis 2014-02-28 "This book offers information on the latest advancements and research for Enterprise Interoperability knowledge as well as core concepts, theories, and future directions"--

Applied Text Analysis with Python Benjamin Bengfort 2018-06-11 From news and speeches to informal chatter on social media, natural language is one of the richest and most underutilized sources of data. Not

only does it come in a constant stream, always changing and adapting in context; it also contains information that is not conveyed by traditional data sources. The key to unlocking natural language is through the creative application of text analytics. This practical book presents a data scientist's approach to building language-aware products with applied machine learning. You'll learn robust, repeatable, and scalable techniques for text analysis with Python, including contextual and linguistic feature engineering, vectorization, classification, topic modeling, entity resolution, graph analysis, and visual steering. By the end of the book, you'll be equipped with practical methods to solve any number of complex real-world problems. Preprocess and vectorize text into high-dimensional feature representations Perform document classification and topic modeling Steer the model selection process with visual diagnostics Extract key phrases, named entities, and graph structures to reason about data in text Build a dialog framework to enable chatbots and language-driven interaction Use Spark to scale processing power and neural networks to scale model complexity

### **Computer Systems and Software Engineering: Concepts, Methodologies, Tools, and Applications**

Management Association, Information Resources 2017-12-01 Professionals in the interdisciplinary field of computer science focus on the design, operation, and maintenance of computational systems and software. Methodologies and tools of engineering are utilized alongside computer applications to develop efficient and precise information databases. Computer Systems and Software Engineering: Concepts, Methodologies, Tools, and Applications is a comprehensive reference source for the latest scholarly material on trends, techniques, and uses of various technology applications and examines the benefits and challenges of these computational developments. Highlighting a range of pertinent topics such as utility computing, computer security, and information systems applications, this multi-volume book is ideally designed for academicians, researchers, students, web designers, software developers, and practitioners interested in computer systems and software engineering.

*Creating Applications with Mozilla* David Boswell 2002-09-24 Explains how to utilize the Mozilla development framework to create cross-platform applications using JavaScript, Cascading Style Sheets, and XUL (XML-based User-interface Language), along with other technologies. Original. (Intermediate)

**Graph Databases** Ian Robinson 2013-06-10 Discover how graph databases can help you manage and query highly connected data. With this practical book, you'll learn how to design and implement a graph database that brings the power of graphs to bear on a broad range of problem domains. Whether you want to speed up your response to user queries or build a database that can adapt as your business evolves, this book shows you how to apply the schema-free graph model to real-world problems. Learn how different organizations are using graph databases to outperform their competitors. With this book's data modeling, query, and code examples, you'll quickly be able to implement your own solution. Model data with the Cypher query language and property graph model Learn best practices and common pitfalls when modeling with graphs Plan and implement a graph database solution in test-driven fashion Explore real-world examples to learn how and why organizations use a graph database Understand common patterns and components of graph database architecture Use analytical techniques and algorithms to mine graph database information

[Programming the Semantic Web](#) Toby Segaran 2009-07-09 With this book, the promise of the Semantic Web -- in which machines can find, share, and combine data on the Web -- is not just a technical possibility, but a practical reality Programming the Semantic Web demonstrates several ways to implement semantic web applications, using current and emerging standards and technologies. You'll learn how to incorporate existing data sources into semantically aware applications and publish rich semantic data. Each chapter walks you through a single piece of semantic technology and explains how you can use it to solve real problems. Whether you're writing a simple mashup or maintaining a high-performance enterprise solution, Programming the Semantic Web provides a standard, flexible approach for integrating and future-proofing systems and data. This book will help you: Learn how the Semantic Web allows new and unexpected uses of data to emerge Understand how semantic technologies promote data portability with a simple, abstract model for knowledge representation Become familiar with semantic standards, such as the Resource Description Framework (RDF) and the Web Ontology Language (OWL) Make use of semantic programming techniques to both enrich and simplify current web applications

**Application Development and Design: Concepts, Methodologies, Tools, and Applications Management** Association, Information Resources 2017-08-11 Advancements in technology have allowed for the creation

of new tools and innovations that can improve different aspects of life. These applications can be utilized across different technological platforms. *Application Development and Design: Concepts, Methodologies, Tools, and Applications* is a comprehensive reference source for the latest scholarly material on trends, techniques, and uses of various technology applications and examines the benefits and challenges of these computational developments. Highlighting a range of pertinent topics such as software design, mobile applications, and web applications, this multi-volume book is ideally designed for researchers, academics, engineers, professionals, students, and practitioners interested in emerging technology applications.

*Trust Management III* Elena Ferrari 2009-05-27 This book constitutes the refereed proceedings of the Third IFIP WG 11.11 International Conference, IFIPTM 2009, held in West Lafayette, IN, USA, in June 2009. The 17 revised full papers presented together with one invited paper and 5 demo descriptions were carefully reviewed and selected from 44 submissions. The papers are organized in topical sections on social aspects and usability, trust reasoning and processing, data security, enhancements to subjective logic, information sharing, risk assessment, and simulation of trust and reputation systems.

*RESTful Web APIs* Leonard Richardson 2013-09-12 The popularity of REST in recent years has led to tremendous growth in almost-RESTful APIs that don't include many of the architecture's benefits. With this practical guide, you'll learn what it takes to design usable REST APIs that evolve over time. By focusing on solutions that cross a variety of domains, this book shows you how to create powerful and secure applications, using the tools designed for the world's most successful distributed computing system: the World Wide Web. You'll explore the concepts behind REST, learn different strategies for creating hypermedia-based APIs, and then put everything together with a step-by-step guide to designing a RESTful Web API. Examine API design strategies, including the collection pattern and pure hypermedia Understand how hypermedia ties representations together into a coherent API Discover how XMDP and ALPS profile formats can help you meet the Web API "semantic challenge" Learn close to two-dozen standardized hypermedia data formats Apply best practices for using HTTP in API implementations Create Web APIs with the JSON-LD standard and other the Linked Data approaches Understand the CoAP protocol for using REST in embedded systems

Learning SPARQL Bob DuCharme 2013-07-03 Gain hands-on experience with SPARQL, the RDF query language that's bringing new possibilities to semantic web, linked data, and big data projects. This updated and expanded edition shows you how to use SPARQL 1.1 with a variety of tools to retrieve, manipulate, and federate data from the public web as well as from private sources. Author Bob DuCharme has you writing simple queries right away before providing background on how SPARQL fits into RDF technologies. Using short examples that you can run yourself with open source software, you'll learn how to update, add to, and delete data in RDF datasets. Get the big picture on RDF, linked data, and the semantic web Use SPARQL to find bad data and create new data from existing data Use datatype metadata and functions in your queries Learn techniques and tools to help your queries run more efficiently Use RDF Schemas and OWL ontologies to extend the power of your queries Discover the roles that SPARQL can play in your applications

**Encyclopedia of Information Science and Technology, Third Edition** Khosrow-Pour, Mehdi 2014-07-31 "This 10-volume compilation of authoritative, research-based articles contributed by thousands of researchers and experts from all over the world emphasized modern issues and the presentation of potential opportunities, prospective solutions, and future directions in the field of information science and technology"--Provided by publisher.

Towards A Semantic Web Bill Cope 2011-01-14 This book addresses the question of how knowledge is currently documented, and may soon be documented in the context of what it calls 'semantic publishing'. This takes two forms: a more narrowly and technically defined 'semantic web'; as well as a broader notion of semantic publishing. This book examines the ways in which knowledge is represented in journal articles and books. By contrast, it goes on to explore the potential impacts of semantic publishing on academic research and authorship. It sets this in the context of changing knowledge ecologies: the way research is done; the way knowledge is represented and; the modes of knowledge access used by researchers, students and the general public. Provides an introduction to the 'semantic web' and semantic publishing for readers outside the field of computer science Discusses the relevance of the 'semantic web' and semantic publishing more broadly, and its application to academic research Examines the changing ecologies of knowledge production

**Social Networks and the Semantic Web** Peter Mika 2007-10-23 Social Networks and the Semantic Web offers valuable information to practitioners developing social-semantic software for the Web. It provides two major case studies. The first case study shows the possibilities of tracking a research community over the Web. It reveals how social network mining from the web plays an important role for obtaining large scale, dynamic network data beyond the possibilities of survey methods. The second case study highlights the role of the social context in user-generated classifications in content, such as the tagging systems known as folksonomies.

**MediaArHistories** Oliver Grau 2010-08-13 Leading scholars take a wider view of new media, placing it in the context of art history and acknowledging the necessity of an interdisciplinary approach in new media art studies and practice. Digital art has become a major contemporary art form, but it has yet to achieve acceptance from mainstream cultural institutions; it is rarely collected, and seldom included in the study of art history or other academic disciplines. In *MediaArHistories*, leading scholars seek to change this. They take a wider view of media art, placing it against the backdrop of art history. Their essays demonstrate that today's media art cannot be understood by technological details alone; it cannot be understood without its history, and it must be understood in proximity to other disciplines—film, cultural and media studies, computer science, philosophy, and sciences dealing with images. Contributors trace the evolution of digital art, from thirteenth-century Islamic mechanical devices and eighteenth-century phantasmagoria, magic lanterns, and other multimedia illusions, to Marcel Duchamp's inventions and 1960s kinetic and op art. They reexamine and redefine key media art theory terms—machine, media, exhibition—and consider the blurred dividing lines between art products and consumer products and between art images and science images. Finally, *MediaArHistories* offers an approach for an interdisciplinary, expanded image science, which needs the "trained eye" of art history. Contributors Rudlof Arnheim, Andreas Broeckmann, Ron Burnett, Edmond Couchot, Sean Cubitt, Dieter Daniels, Felice Frankel, Oliver Grau, Erkki Huhtamo, Douglas Kahn, Ryszard W. Kluszczynski, Machiko Kusahara, Timothy Lenoir, Lev Manovich, W.J.T. Mitchell, Gunalan Nadarajan, Christiane Paul, Louise Poissant, Edward A. Shanken, Barbara Maria Stafford, and Peter Weibel