

Apache Solr Php Integration

This book is for developers who already know how to use Solr and are looking at procuring advanced strategies for improving their search using Solr. This book is also for people who work with analytics to generate graphs and reports using Solr. Moreover, if you are a search architect who is looking forward to scale your search using Solr, this is a must have book for you. It would be helpful if you are familiar with the Java programming language.

Sie sind gern Sysadmin, klar. Sie haben Ihr Hobby zum Beruf gemacht. Es stört Sie nicht, bis spät in der Nacht vorm Rechner zu sitzen, das machen Sie in Ihrem Privatleben auch öfter mal. Als Sysadmin müssen Sie viele Projekte gleichzeitig managen und haben eine unübersichtliche Menge verschiedener, kleinteiliger Aufgaben zu bewältigen. Und das bei ständigen Unterbrechungen durch Chefs oder Kollegen, die schnell etwas wissen wollen oder dringend Hilfe brauchen. All das in der regulären Arbeitszeit zu schaffen, ist nicht ohne. Der Autor dieses Buchs, Thomas A. Limoncelli, ist selbst Systemadministrator und kennt die Anforderungen an den Beruf genau. Zeitmanagement für Systemadministratoren konzentriert sich auf die Techniken und Strategien, die Ihnen helfen, Ihre täglichen Aufgaben als Sysadmin zu bewältigen und gleichzeitig kritische Situationen in den Griff zu bekommen, die unvorhergesehen auf den Plan treten. Unter anderem lernen Sie, wie Sie mit Unterbrechungen am besten umgehen Ihren Kalender effektiv führen Routinen für wiederkehrende Aufgaben entwickeln Prioritäten klug setzen Zeitfresser eliminieren Arbeitsprozesse automatisieren und dokumentieren"

Due to market forces and technological evolution, Big Data computing is developing at an increasing rate. A wide variety of novel approaches and tools have emerged to tackle the challenges of Big Data, creating both more opportunities and more challenges for students and professionals in the field of data computation and analysis. Presenting a mix of industry cases and theory, Big Data Computing discusses the technical and practical issues related to Big Data in intelligent information management. Emphasizing the adoption and diffusion of Big Data tools and technologies in industry, the book introduces a broad range of Big Data concepts, tools, and techniques. It covers a wide range of research, and provides comparisons between state-of-the-art approaches. Comprised of five sections, the book focuses on: What Big Data is and why it is important Semantic technologies Tools and methods Business and economic perspectives Big Data applications across industries

Das Buch Semantic Web – Grundlagen vermittelt als erstes deutschsprachiges Lehrbuch die Grundlagen des Semantic Web in verständlicher Weise. Es ermöglicht einen einfachen und zügigen Einstieg in Methoden und Technologien des Semantic Web und kann z.B. als solide Grundlage für die Vorbereitung und Durchführung von Vorlesungen genutzt werden. Die Autoren trennen dabei sauber zwischen einer intuitiven Hinführung zur Verwendung semantischer Technologien in der Praxis einerseits, und der Erklärung formaler und theoretischer Hintergründe andererseits. Nur für letzteres werden Grundkenntnisse in Logik vorausgesetzt, die sich bei Bedarf jedoch durch zusätzliche Lektüre und mit Hilfe eines entsprechenden Kapitels im Anhang aneignen lassen. Das Lehrbuch richtet sich primär an Studenten mit Grundkenntnissen in Informatik sowie an interessierte Praktiker welche sich im Bereich Semantic Web fortbilden möchten. Aus den Rezensionen: "... RDF, RDF-S und OWL. Diese Sprachen ... werden von den Autoren dargestellt. Bei der Darstellung ... fallen sie selten zu schwierigen Fachslang, sondern liefern eine gut nachvollziehbare Schilderung mit einfachen Beispielen, auch Übungsaufgaben runden die Kapitel ab. ... Semantic Web ist ein einfach geschriebenes und anschauliches Buch, das in die Grundkonzepte der Semantic-Web-Techniken einführt. Wer sich schnell in RDF, RDF-S und Co. einarbeiten muss und etwas Vorbildung in Logik und Algebra mitbringt, der trifft mit diesem Lehrbuch sicherlich eine gute Wahl ..." (<http://www.literaturnetz.com/content/view/8742/44/>)

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The Definitive Guide to Drupal 7 is the most comprehensive book for getting sites done using the powerful and extensible Drupal content management system. Written by a panel of expert authors, the book covers every aspect of Drupal, from planning a successful project all the way up to making a living from designing Drupal sites and to contributing to the Drupal community yourself. With this book you will: Follow practical approaches to solving many online communication needs with Drupal with real examples. Learn how to keep learning about Drupal: administration, development, theming, design, and architecture. Go beyond the code to engage with the Drupal community as a contributing member and to do Drupal sustainably as a business. The Definitive Guide to Drupal 7 was written by the following team of expert Drupal authors: Benjamin Melançon, Jacine Luisi, Károly Négyesi, Greg Anderson, Bojhan Somers, Stéphane Corlosquet, Stefan Freudenberg, Michelle Lauer, Ed Carlevale, Florian Lorétan, Dani Nordin, Ryan Szrama, Susan Stewart, Jake Strawn, Brian Travis, Dan Hakimzadeh, Amye Scavarda, Albert Albala, Allie Micka, Robert Douglass, Robin Monks, Roy Scholten, Peter Wolanin, Kay VanValkenburgh, Greg Stout, Kasey Qynn Dolin, Mike Gifford, Claudina Sarahe, Sam Boyer, and Forest Mars, with contributions from George Cassie, Mike Ryan, Nathaniel Catchpole, and Dmitri Gaskin. For more information, check out the Drupaleasy podcast #63, in which author Benjamin Melançon discusses The Definitive Guide to Drupal 7 in great detail: <http://drupaleasy.com/podcast/2011/08/drupaleasy-podcast-63-epic>

Complete proceedings of the 2nd European Conference on Social Media Porto Portugal Published by Academic Conferences and Publishing International Limited

Ganz klar: Das Schöne am Open Source-Code ist natürlich der freie Zugriff auf ihn, doch gerade deshalb will die Code-Entwicklung besonders gut organisiert sein. Versionskontrollsysteme ermöglichen es jedem Projektmitglied, zunächst unabhängig zu arbeiten und seine Änderungen am Quellcode dann in ein Repository einzufügen, mit dem die unterschiedlichen Versionen überwacht und verwaltet werden. Intelligente Verwaltung mit Subversion Wer bei Software-Projekten bisher das bewährte CVS benutzt hat, dem steht mit Subversion eine stabilere und flexiblere Alternative zur Verfügung. Versionskontrolle mit Subversion, geschrieben von Mitgliedern des Subversion-Entwicklerteams, stellt dieses

mächtige Open Source-Tool vor und beschreibt, wie Sie es fachgerecht installieren und konfigurieren. Die Autoren zeigen Ihnen, wie Sie durch die intelligente Verwaltung und Dokumentation mit Subversion Konflikte und Datenverlust vermeiden können. Für Programmierer und für Systemadministratoren Das Buch eignet sich für Leser mit ganz unterschiedlichem Hintergrundwissen: Sowohl Programmierer ohne Kenntnisse der Versionskontrolle als auch erfahrene Systemadministratoren kommen hier auf ihre Kosten. Und CVS-Kennern wird mit diesem Buch ein problemloser Wechsel zu Subversion ermöglicht.

This volume comprises the proceedings of the Third International Euro-Mediterranean Conference (EuroMed 2010) on the historical island of Cyprus. The focal point of this conference was digital heritage, which all of us involved in the documentation of cultural heritage continually strive to implement. The excellent selection of papers published in the proceedings reflects in the best possible way the benefits of exploiting modern technological advances for the restoration, preservation and e-documentation of any kind of cultural heritage. Above all, we should always bear in mind that what we do now may be used by people in another century to repair, rebuild or conserve the buildings, monuments, artifacts and landscapes that seem important. Recent events like earthquakes, tsunamis, volcanic eruptions, fires and insurrections show that we can never be too prepared for damage to, and loss of, the physical and, non-tangible elements of our past and, in general, our cultural heritage. To reach this ambitious goal, the topics covered included experiences in the use of innovative recording technologies and methods, and how to take best advantage of the results obtained to build up new instruments and improved methodologies for documenting in multimedia formats, archiving in digital libraries and managing a cultural heritage. Technological advances are very often reported in detail in specialized fora. This volume of proceedings establishes bridges of communication and channels of co-operation between the various disciplines involved in cultural heritage preservation.

This book is an introduction to the subjects of linked data, open data and open linked data, and to their specific relevance for libraries. It illustrates these concepts through detailed descriptions of actual data projects. The volume will be useful to individuals involved in library practice and those in library management who have not yet become familiarized with these important contemporary fields.

Bisson engagingly narrates the history of open source, explains how the OSS movement came about, details key players in OSS development, and discusses why and how open source can work for libraries.

In dieser Dissertation wird gezeigt, wie linguistische Analyseverfahren als Grundlage für statistische Verfahren beim Information Retrieval verwendet werden können. Ausgehend von den Ergebnissen einer automatischen Termextraktion, die auf lexikalischen und grammatischen Wissensquellen basiert, werden Verfahren entwickelt, die zentrale Aufgabenstellungen der Informationsverarbeitung optimieren, wie etwa die Berechnung der Ähnlichkeit von Dokumenten, die Klassifikation von Dokumenten oder die Ermittlung von Wortwolken. Es wird dabei die wichtige Rolle der Wahrscheinlichkeitstheorie bei vielen Verfahren und Anwendungen der Computerlinguistik und des maschinellen Lernens deutlich. Ziel dieser Arbeit ist es also, aufzuzeigen, wie linguistische und statistische Verfahren kombiniert und aufeinander abgestimmt werden müssen, um bei einigen konkreten Aufgaben des Information Retrieval optimale und in der Praxis brauchbare Ergebnisse zu erzielen. Beispielhaft werden die Teilaufgaben Termextraktion und Termgruppierung, Dokumentenähnlichkeit, Dokumentenklassifikation und Wortwolken behandelt und an konkreten praktischen Fallstudien veranschaulicht.

In Software gegossene Algorithmen, die Schachweltmeister besiegen oder bei Fragespielen erfolgreich gegen Menschen bestehen, zeigen die radikalen Änderungen in einer durch Software getriebenen Welt, für deren Verständnis Brücken zwischen Informatikern sowie Technikern und Philosophen notwendig sind. In diesem Sinne argumentiert der Autor für eine Technikphilosophie, in der Software eine bedeutende Rolle spielt. Begriffe erfahren dadurch neue Sichtweisen und Bedeutungen. Das Ergebnis ist eine moderne Form des Dreiweltenmodells von Karl Popper, jetzt mit Software als der zweiten Weltsäule neben der Teilchenwelt der Physik. Die wichtigsten Begriffe des Buchs sind in einem Glossar zusammengefasst.

Dieses Lehrbuch bietet eine umfassende Einführung in Grundlagen, Potentiale und Anwendungen Semantischer Technologien. Es richtet sich an Studierende der Informatik und angrenzender Fächer sowie an Entwickler, die Semantische Technologien am Arbeitsplatz oder in verteilten Applikationen nutzen möchten. Mit seiner an praktischen Beispielen orientierten Darstellung gibt es aber auch Anwendern und Entscheidern in Unternehmen einen breiten Überblick über Nutzen und Möglichkeiten dieser Technologie. Semantische Technologien versetzen Computer in die Lage, Informationen nicht nur zu speichern und wieder zu finden, sondern sie ihrer Bedeutung entsprechend auszuwerten, zu verbinden, zu Neuem zu verknüpfen, und so flexibel und zielgerichtet nützliche Leistungen zu erbringen. Das vorliegende Buch stellt im ersten Teil die als Semantische Technologien bezeichneten Techniken, Sprachen und Repräsentationsformalismen vor. Diese Elemente erlauben es, das in Informationen enthaltene Wissen formal und damit für den Computer verarbeitbar zu beschreiben, Konzepte und Beziehungen darzustellen und schließlich Inhalte zu erfragen, zu erschließen und in Netzen zugänglich zu machen. Der zweite Teil beschreibt, wie mit Semantischen Technologien elementare Funktionen und umfassende Dienste der Informations- und Wissensverarbeitung realisiert werden können. Hierzu gehören etwa die Annotation und das Erschließen von Information, die Suche in den resultierenden Strukturen, das Erklären von Bedeutungszusammenhängen sowie die Integration einzelner Komponenten in komplexe Ablaufprozesse und Anwendungslösungen. Der dritte Teil beschreibt schließlich vielfältige Anwendungsbeispiele in unterschiedlichen Bereichen und illustriert so Mehrwert, Potenzial und Grenzen von Semantischen Technologien. Die dargestellten Systeme reichen von Werkzeugen für persönliches, individuelles Informationsmanagement über Unterstützungsfunktionen für Gruppen bis hin zu neuen Ansätzen im Internet der Dinge und Dienste, einschließlich der Integration verschiedener Medien und Anwendungen von Medizin bis Musik.

Develop your programming skills by creating engaging websites using Drupal 8 About This Book- Explore the new features of Drupal 8 through practical and interesting examples while building a fully functional recipe sharing website- Learn about web content management, multi-media integration, and the newly introduced native web services in Drupal 8- A hands-on, example-driven guide to developing Drupal websites that covers everything from site building, theme development, creating custom modules, as well as the development environment Who This Book Is For If you are a developer who wants to use Drupal to enhance your website project and web application to manage content, this book is for you. Whether you are new to Drupal or an experienced web developer, you will be able to master both basic configuration and advanced module development in Drupal through this book. What You Will Learn- Set up your Drupal development environment- Brush up on your understanding of the concepts of object-oriented programming, module development, and test-driven development- Install and configure Drupal, add new content type, and work through lot of dummy content to create listing pages using views- Enhance the content author's user experience and custom block- Find out about field Type API and explore custom theme development- Manage various media types in Drupal for your content-rich website In Detail Drupal is one of the most popular platforms with which to develop websites. With more and more organizations looking to build engaging digital experience for their stakeholders, the Drupal Content Management System offers a mobile-first platform with native support for integrations, better performance, and scalability. The new version brings significant changes to its module development and theme creation techniques, improving performance and refining the development experience. This book will help you develop your own website using Drupal 8 in a step-by-step manner. You'll start off by setting up your development environment, enabling you to begin writing custom code for a Drupal-powered website through PHPStorm. You will learn about configuration management and creating custom content types before exploring the HTML5 features included with Drupal 8. You will then get familiar with Drupal 8's mobile-first features, explore the built-in WYSIWYG and in-line editing capabilities of Drupal 8, and enhance the overall authoring experience. Later, you will create and enhance a Media Entity Lightbox module, before taking an in-depth look at the Views module. We then cover some advanced search concepts and walk you through the installation and integration of the Java-based Apache Solr search engine. Finally, you will explore and configure the built-in support for REST and extend its support by installing the RESTful module. By the end of the book, you will have created a recipe sharing website while gaining a solid understanding of development best practices for Drupal 8. Style and approach Each chapter provides examples in a sequential manner from basic to advanced, and each example is explained using easy-to-understand language and a step-by-step approach. This programming experience will enable you to create a wide range of content authoring as well as end user experience.

Un ghid pentru dezvoltatorii web, cu accent pe HTML, XML, JavaScript, SQL, tehnologii web, software web, software pentru dezvoltare web, aplicații web, soluții pentru aplicații web, AJAX, servicii web, sindicalizarea web, web design, situri web, găzduirea web, analiza siturilor web, și documente de lucru, și abordarea unor noțiuni de bază pentru cele mai folosite sisteme de management al conținutului: Drupal, Joomla, și WordPress. Dezvoltarea web este un termen larg, care cuprinde orice activitate legată de dezvoltarea unui sit web pentru World Wide Web sau intranet. Aceasta poate include dezvoltarea afacerilor prin comerț electronic (e-commerce), web design, dezvoltarea de conținut web, programare specifică, configurarea serverelor web, etc. Dezvoltarea web include atât realizarea unor simple pagini web statice cu text, până la cele mai complexe aplicații Internet, afaceri electronice (ebusiness), sau servicii de rețele sociale. Proiectarea paginilor web este un proces de conceptualizare, planificare, modelare și execuție a conținutului media electronic livrat pe Internet într-o formă tehnică (precum limbajele markup) adecvată pentru interpretarea și afișarea într-un browser web sau altă interfață grafică pentru utilizatori (graphical user interface, GUI). Scopul proiectării web este crearea unui sit web (o colecție de fișiere electronice încercate pe unul sau mai multe servere) cu conținut (care poate include caracteristici sau interfețe interactive) pentru utilizatorul final sub forma paginilor web. Astfel de elemente precum textele, formularele, și imaginile (GIF, JPG, PNG) pot fi plasate în pagini folosind taguri HTML, XHTML sau XML. Afișarea unor elemente media mai complexe (grafici vectoriale, animații, video, sunete) necesită de obicei plugin-uri precum Flash, QuickTime, Java run-time environment, etc. Plugin-urile sunt incluse în paginile web folosind taguri HTML sau XHTML.

This book is full of step-by-step example-oriented tutorials which will show readers how to integrate Solr in PHP applications using the available libraries, and boost the inherent search facilities that Solr offers. If you are a developer who knows PHP and is interested in integrating search into your applications, this is the book for you. No advanced knowledge of Solr is required. Very basic knowledge of system commands and the command-line interface on both Linux and Windows is required. You should also be familiar with the concept of Web servers.

Python-Programmierer finden in diesem Kochbuch nahezu 200 wertvolle und jeweils in sich abgeschlossene Anleitungen zu Aufgabenstellungen aus dem Bereich des Machine Learning, wie sie für die tägliche Arbeit typisch sind – von der Vorverarbeitung der Daten bis zum Deep Learning. Entwickler, die mit Python und seinen Bibliotheken einschließlich Pandas und Scikit-Learn vertraut sind, werden spezifische Probleme erfolgreich bewältigen – wie etwa Daten laden, Text und numerische Daten behandeln, Modelle auswählen, Dimensionalität reduzieren und vieles mehr. Jedes Rezept enthält Code, den Sie kopieren, zum Testen in eine kleine Beispieldatenmenge einfügen und dann anpassen können, um Ihre eigenen Anwendungen zu konstruieren. Darüber hinaus werden alle Lösungen diskutiert und wichtige Zusammenhänge hergestellt. Dieses Kochbuch unterstützt Sie dabei, den Schritt von der Theorie und den Konzepten hinein in die Praxis zu machen. Es liefert das praktische Rüstzeug, das Sie benötigen, um funktionierende Machine-Learning-Anwendungen zu entwickeln. In diesem Kochbuch finden Sie Rezepte für: Vektoren, Matrizen und Arrays den Umgang mit numerischen und kategorischen Daten, Texten, Bildern sowie Datum und Uhrzeit das Reduzieren der Dimensionalität durch Merkmalsextraktion oder Merkmalsauswahl Modellbewertung und -auswahl lineare und logistische Regression, Bäume und Wälder und k-nächste Nachbarn Support Vector Machine (SVM), naive Bayes, Clustering und neuronale Netze das Speichern und Laden von trainierten Modellen Das Glossar enthält den gesamten Wortschatz sowie Wendungen zum Nachschlagen.

This book constitutes the refereed proceedings of the 8th International IFIP WG 2.13 Conference on Open Source Systems, OSS 2012, held in Hammamet, Tunisia, in September 2012. The 15 revised full papers presented together with 17 lightning talks, 2 tool demonstration papers, 6 short industry papers, 5 posters and 2 workshop papers were carefully reviewed and selected from 63 submissions. The papers are organized in topical sections on collaboration and forks in OSS projects, community issues, open education and peer-production models, integration and architecture, business ecosystems, adoption and evolution of OSS, OSS quality, OSS in different domains, product development, and industrial experiences.

Brandneu zu TYPO3 CMS 7 LTS! Das Buch zur Extensionsprogrammierung mit Hilfe von Extbase & Fluid unter TYPO3 CMS - für Anfänger und Fortgeschrittene. Vollständig überarbeitete Neuauflage! Kaum eine TYPO3-Installation kommt ohne eigene Erweiterungen (Extensions) aus, die seit der Version TYPO3 CMS 4.3 mit Hilfe des DDD- und MVC-Frameworks "TYPO3 Extbase" & der Templating Engine "Fluid" programmiert werden. Dieses Buch bietet Ihnen als Beginner einen fundierten Einstieg in Planung und Realisierung professioneller Projekte mit Extbase und Fluid. Fortgeschrittene Entwickler profitieren von wertvollen Tipps aus der Praxis. Patrick Lobacher verbindet hier jahrelange Projekterfahrung mit seiner Expertise als Trainer und Fachbuchautor; so gelingt es ihm, seinen Lesern von Beginn an einen unmittelbaren Zugang zur komplexen Thematik zu verschaffen und theoretische Grundlagen in praxisrelevanten Szenarien zu vermitteln. Dabei wird ein didaktisches Beispiel verfolgt, welches Stück für Stück mit Funktionen angereichert wird. Am Ende stehen sehr komplexe Themen, wie AJAX, FAL, Backend-Module, JSON-View, Property Mapper & Co. Jedes der Beispiele kann zudem sofort auf GitHub heruntergeladen werden. Das Werk ist vollständig neu zu TYPO3 CMS ab Version 7 LTS überarbeitet worden und damit für die nächsten Releases gerüstet.

Enhance your Solr indexing experience with advanced techniques and the built-in functionalities available in Apache Solr About This Book Learn about distributed indexing and real-time optimization to change index data on fly Index data from various sources and web crawlers using built-in analyzers and tokenizers This step-by-step guide is packed with real-life examples on indexing data Who This Book Is For This book is for developers who want to increase their experience of indexing in Solr by learning about the various index handlers, analyzers, and methods available in Solr. Beginner level Solr development skills are expected. What You Will Learn Get to know the basic features of Solr indexing and the analyzers/tokenizers available Index XML/JSON data in Solr using the HTTP Post tool and CURL command Work with Data Import Handler to index data from a database Use Apache Tika with Solr to index word documents, PDFs, and much more Utilize Apache Nutch and Solr integration to index crawled data from web pages Update indexes in real-time data feeds Discover techniques to index multi-language and distributed data in Solr Combine the various indexing techniques into a real-life working example of an online shopping web application In Detail Apache Solr is a widely used, open source enterprise search server that delivers powerful indexing and searching features. These features help fetch relevant information from various sources and documentation. Solr also combines with other open source tools such as Apache Tika and Apache Nutch to provide more powerful features. This fast-paced guide starts by helping you set up Solr and get acquainted with its basic building blocks, to give you a better understanding of Solr indexing. You'll quickly move on to indexing text and boosting the indexing time. Next, you'll focus on basic indexing techniques, various index handlers designed to modify documents, and indexing a structured data source through Data Import Handler. Moving on, you will learn techniques to perform real-time indexing and atomic updates, as well as more advanced indexing techniques such as de-duplication. Later on, we'll help you set up a cluster of Solr servers that combine fault tolerance and high availability. You will also gain insights into working scenarios of different aspects of Solr and how to use Solr with e-commerce data. By the end of the book, you will be competent and confident working with indexing and will have a good knowledge base to efficiently program elements. Style and approach This fast-paced guide is packed with examples that are written in an easy-to-follow style, and are accompanied by detailed explanation. Working examples are included to help you get better results for your applications. Optimized for Kubernetes, Quarkus is designed to help you create Java applications that are cloud first, container native, and serverless capable. With this cookbook, authors Alex Soto Bueno and Jason Porter from Red Hat provide detailed solutions for installing, interacting with, and using Quarkus in the development and production of microservices. The recipes in this book show midlevel to senior developers familiar with Java enterprise application development how to get started with Quarkus quickly. You'll become familiar with how Quarkus works within the wider Java ecosystem and discover ways to adapt this framework to your particular needs. You'll learn how to: Shorten the development cycle by enabling live reloading in dev mode Connect to and communicate with Kafka Develop with the reactive programming model Easily add fault tolerance to your services Build your application as a Kubernetes-ready container Ease development with OpenAPI and test a native Quarkus application

There's a great deal of wisdom in a crowd, but how do you listen to a thousand people talking at once? Identifying the wants, needs, and knowledge of internet users can be like listening to a mob. In the Web 2.0 era, leveraging the collective power of user contributions, interactions, and feedback is the key to market dominance. A new category of powerful programming techniques lets you discover the patterns, inter-relationships, and individual profiles-the collective intelligence--locked in the data people leave behind as they surf websites, post blogs, and interact with other users. Collective Intelligence in Action is a hands-on guidebook for implementing collective intelligence concepts using Java. It is the first Java-based book to emphasize the underlying algorithms and technical implementation of vital data gathering and mining techniques like analyzing trends, discovering relationships, and making predictions. It provides a pragmatic approach to personalization by combining content-based analysis with collaborative approaches. This book is for Java developers implementing Collective Intelligence in real, high-use applications. Following a running example in which you harvest and use information from blogs, you learn to develop software that you can embed in your own applications. The code examples are immediately reusable and give the Java developer a working collective intelligence toolkit. Along the way, you work with, a number of APIs and open-source toolkits including text analysis and search using Lucene, web-crawling using Nutch, and applying machine learning algorithms using WEKA and the Java Data Mining (JDM) standard. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Get the most out of the Elastic Stack for various complex analytics using this comprehensive and practical guide About This Book Your one-stop solution to perform advanced analytics with Elasticsearch, Logstash, and Kibana Learn how to make better sense of your data by searching, analyzing, and logging data in a systematic way This highly practical guide takes you through an advanced implementation on the ELK stack in your enterprise environment Who This Book Is For This book cater to developers using the Elastic stack in their day-to-day work who are familiar with the basics of Elasticsearch, Logstash, and Kibana, and now want to become an expert at using the Elastic stack for data analytics. What You Will Learn Build a pipeline with help of Logstash and Beats to visualize Elasticsearch data in Kibana Use Beats to ship any type of data to the Elastic stack Understand Elasticsearch APIs, modules, and other advanced concepts Explore Logstash and it's plugins Discover how to utilize the new Kibana UI for advanced analytics See how to work with the Elastic Stack using other advanced configurations Customize the Elastic Stack and plugin development for each of the component Work with the Elastic Stack in a production environment Explore the various components of X-Pack in detail. In Detail Even structured data is useless if it can't help you to take strategic decisions and improve existing system. If you love to play with data, or your job requires you to process custom log formats, design a scalable analysis system, and manage logs to do real-time data analysis, this book is your one-stop solution. By combining the massively popular Elasticsearch, Logstash, Beats, and Kibana, elastic.co has advanced the end-to-end stack that delivers actionable insights in real time from almost any type of structured or unstructured data source. If your job requires you to process custom log formats, design a scalable analysis system, explore a variety of data, and manage logs, this book is your one-stop solution. You will learn how to create real-time dashboards and how to manage the life cycle of logs in detail through real-life scenarios. This book brushes up your basic knowledge on implementing the Elastic Stack and then dives deeper into complex and advanced implementations of the Elastic Stack. We'll help you to solve data analytics challenges using the Elastic Stack and provide practical steps on centralized logging and real-time analytics with the Elastic Stack in production. You will get to grip with advanced techniques for log analysis and visualization. Newly announced features such as Beats and X-Pack are also covered in detail with examples. Toward the end, you will see how to use the Elastic stack for real-world case studies and we'll show you some best practices and troubleshooting techniques for the Elastic Stack. Style and approach This practical guide shows you how to perform advanced analytics with the Elastic stack through real-world use cases. It includes common and some not so common scenarios to use the Elastic stack for data analysis.

This book is a step-by-step guide for readers who would like to learn how to build complete enterprise search solutions, with ample real-world examples and case studies. If you are a developer, designer, or architect who would like to build enterprise search solutions for your customers or organization, but have no prior knowledge of Apache Solr/Lucene technologies, this is the book for you.

Bildung und Kompetenz als Begriffskonstruktionen werden im öffentlichen Diskurs, aber oft auch auf wissenschaftlichem Terrain vor allem mit schulischen Formen des Lernens in Verbindung gebracht. Dementsprechend sind empirische Forschungen im Kontext „Empirischer Bildungsforschung“ aktuell stark schulbezogen und in ihren theoretischen Bezügen auf die Begriffe von Bildung und Kompetenz meist einseitig produktbezogen. Empirische Untersuchungen, die theoretisch und methodisch begründet nach der Rolle außerschulischer Handlungsfelder für die Lern- und Bildungsprozesse von Kindern und Jugendlichen fragen, sind aktuell jedoch vergleichsweise selten. In

diesem Buch wird im Anschluss an eine Analyse der beiden zentralen Begriffe von Bildung und Kompetenz und ihrer Verschränkungen sowie eine kritische Sichtung des aktuellen nationalen und v.a. us-amerikanischen Forschungsstand danach gefragt, wie man sich diesem Feld in theoretischer und methodischer Perspektive nähern kann. Dafür wird auf den Ansatz der activity theory zurückgegriffen, der sowohl einen theoretischen als auch einen forschungsheuristischen Rahmen bietet, um sich dieses Feld in seiner Komplexität erschließen zu können. Daten, Daten, Daten? Sie haben schon Kenntnisse in Excel und Statistik, wissen aber noch nicht, wie all die Datensätze helfen sollen, bessere Entscheidungen zu treffen? Von Lillian Pierson bekommen Sie das dafür notwendige Handwerkszeug: Bauen Sie Ihre Kenntnisse in Statistik, Programmierung und Visualisierung aus. Nutzen Sie Python, R, SQL, Excel und KNIME. Zahlreiche Beispiele veranschaulichen die vorgestellten Methoden und Techniken. So können Sie die Erkenntnisse dieses Buches auf Ihre Daten übertragen und aus deren Analyse unmittelbare Schlüsse und Konsequenzen ziehen.

Innovative LibGuides Applications: Real World Examples shows both new and experienced users methods to utilize the platform in ways that they may not have previously considered. This includes topics such as website and learning management system integration, digital collections, data-drive decision-making, information literacy instruction, library administration, and a system-wide case study. Each chapter features ideas that you can implement immediately, or over time, as is appropriate to your own needs. Further, they are adaptable—tweak as you see fit! Divided into sections, this book examines different uses and approaches to LibGuides:

- Website and learning management system (LMS) integration: examine how LibGuides can be used as, or closely integrated with, the library website and/or your institutions' LMS. Various examples are provided that you may be able to adapt at your own organization. Not every solution worked as anticipated—our authors address this, as well.
- Digital collections: Two alternate approaches are presented. One looks at exhibitions and their application as outreach tools. The other looks at creating a digital museum within LibGuides. These are “can't miss” chapters for those that wish to more deeply explore digital collections and LibGuides viability.
- Data-drive decision-making: Learn how some institutions are mining and utilizing data collected within LibApps/LibGuides. In both cases, the data examined helped institutions to improve library services while articulating a clear purpose (and use) for each data point.
- Information literacy: Explore two different methods for revamping your instruction program through utilization of the platform.
- Library administration: Discover how internal and external processes may be augmented through the use of LibApps/LibGuides.
- System-wide case study: See how a community college system in North Carolina has each implemented (or not) LibApps/LibGuides on their respective campuses. This section shows how different institutions may decide to use the platform in different ways—all while attempting to improve their own services. Upon completion of this authoritative LITA Guide, readers will come away with the knowledge and tools to maximize their LibGuides experience.

Biological and biomedical research are increasingly driven by experimental techniques that challenge our ability to analyse, process and extract meaningful knowledge from the underlying data. The impressive capabilities of next generation sequencing technologies, together with novel and ever evolving distinct types of omics data technologies, have put an increasingly complex set of challenges for the growing fields of Bioinformatics and Computational Biology. The analysis of the datasets produced and their integration call for new algorithms and approaches from fields such as Databases, Statistics, Data Mining, Machine Learning, Optimization, Computer Science and Artificial Intelligence. Clearly, Biology is more and more a science of information requiring tools from the computational sciences. In the last few years, we have seen the surge of a new generation of interdisciplinary scientists that have a strong background in the biological and computational sciences. In this context, the interaction of researchers from different scientific fields is, more than ever, of foremost importance boosting the research efforts in the field and contributing to the education of a new generation of Bioinformatics scientists. PACBB'14 contributes to this effort promoting this fruitful interaction. PACBB'14 technical program included 34 papers spanning many different sub-fields in Bioinformatics and Computational Biology. Therefore, the conference promotes the interaction of scientists from diverse research groups and with a distinct background such as computer scientists, mathematicians or biologists.

This study seeks to examine the life and work of Charles Hamilton Houston and the scope of this project will focus on the implementation and organization of the proposed plan in three ways: philosophical ideas, constructive engagement, and lasting contributions of this legal scholar activist.

This book constitutes the refereed proceedings of the 13th European Conference on Research and Advanced Technology for Digital Libraries, ECDL 2009, held in Corfu, Greece, in September/October 2009. The 28 revised full papers and 6 revised short papers presented together with 2 panel description, the extended abstracts of 20 revised poster and 16 demo papers were carefully reviewed and selected from a total of 181 submissions. The papers are organized in topical sections on services, infrastructures, interaction, knowledge organization systems, interfaces, resource discovery, architectures, information retrieval, preservation, and evaluation.

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