

Fundamentals Of Database Systems Emily Hegge Ctu Online Cs251

"Princeton University Press published Imai's textbook, Quantitative Social Science: An Introduction, an introduction to quantitative methods and data science for upper level undergrads and graduates in professional programs, in February 2017. What is distinct about the book is how it leads students through a series of applied examples of statistical methods, drawing on real examples from social science research. The original book was prepared with the statistical software R, which is freely available online and has gained in popularity in recent years. But many existing courses in statistics and data sciences, particularly in some subject areas like sociology and law, use STATA, another general purpose package that has been the market leader since the 1980s. We've had several requests for STATA versions of the text as many programs use it by default. This is a "translation" of the original text, keeping all the current pedagogical text but inserting the necessary code and outputs from STATA in their place". This methodologically oriented collection brings together higher education diary research studies from international contexts to showcase the versatility of the method and its adaptability to higher education research. While keeping a diary is a familiar personal practice, diary method is a neglected form of research in higher education studies as well as the social sciences more broadly. This book showcases the range of options within diary method, as well as the benefits and challenges that this fascinating but mysterious method may bring to students and academic researchers alike. The benefits and the risks and challenges of diary research are discussed across the empirical studies included in the volume. Using a variety of solicited diary techniques, including audio, written and photo diaries, and focusing on different aspects of higher education including undergraduate and postgraduate students and academics, these studies include salient topics such as: LGBTQ identities, faith, caring responsibilities, international students, socioeconomically disadvantaged students and employability. This important contribution to methodological innovation in the higher education research field promotes diary method as a viable option in social sciences and beyond. Whether new to the method or a seasoned diary researcher, this book is ideal reading for anyone who would like to learn the fundamentals of diary research and explore its feasibility in empirical contexts.

Publisher's Note: Products purchased from 3rd Party Sellers are not guaranteed by the Publisher for quality, authenticity, or access to any online entitlements included with the product. Trusted by radiology residents, interns, and students for more than 20 years, Brant and Helms' Fundamentals of Diagnostic Radiology, 5th Edition delivers essential information on current imaging modalities and the clinical application of today's technology. Comprehensive in scope, it covers all subspecialty areas including neuroradiology, chest, breast, abdominal, musculoskeletal imaging, ultrasound, pediatric imaging, interventional techniques, and nuclear radiology. Full-color images, updated content, new self-assessment tools, and dynamic online resources make this four-volume text ideal for reference and review.

Introduction to concepts of category theory — categories, functors, natural transformations, the Yoneda lemma, limits and colimits, adjunctions, monads — revisits a broad range of mathematical examples from the categorical perspective. 2016 edition.

An Introduction, Fourth Edition

Fundamentals of Collection Development and Management, Fourth Edition

How Not to Suck At Marketing

Opportunities, Choices and Challenges

Linguistic Fundamentals for Natural Language Processing

100 Essentials from Morphology and Syntax

Addressing the major advances in biomedical, psychological, social, and environmental sciences over the past decade, Developmental-Behavioral Pediatrics, 5th Edition, remains the reference of choice for professionals in a wide range of fields, including medicine and health care, education, social service, advocacy, and public policy. This foundational, pioneering resource emphasizes children’s assets and liabilities, not just categorical labels. Comprehensive in scope, it offers information and guidance on normal development and behavior, psychosocial, and biologic influences on development, developmental disorders, neurodevelopmental disabilities, and mental health conditions. It also discusses tools and strategies for diagnosis and management, including new assessments that can be used in telehealth encounters. Offers a highly practical focus, emphasizing clinical approaches to evaluation, counseling, treatment, and ongoing care. Provides new or expanded information on theoretical foundations of human development and behavior; trauma, adverse childhood events, and resilience across the life span; mechanisms of genetic, epigenetic, and neurological conditions; and principles of psychological assessment, including a broad array of evaluation approaches. Discusses management and treatment for developmental and behavioral conditions, spanning common factors, cognitive behavior therapies, rehabilitative services, integrative medicine, and psychopharmacology. Contains up-to-date chapters on celebrating socio-cultural diversity and addressing racism and bias, acute stress and post-traumatic stress disorder in youth, sexuality and variation, and alternatives to restrictive guardianship. Begins each chapter with a colorful vignette that demonstrates the importance of the human dimensions of developmental-behavioral pediatrics. Offers viewpoints from an interdisciplinary team of editors and contributors, representing developmental-behavioral pediatrics, general pediatrics, psychiatry, psychology, occupational and physical therapy, speech-language pathology, and law. Provides the latest drug information in the updated and revised chapters on psychopharmacology. Includes key points boxes, tables, pictures, and diagrams to clarify and enhance the text.

Data engineering has grown rapidly in the past decade, leaving many software engineers, data scientists, and analysts looking for a comprehensive view of this practice. With this practical book, you'll learn how to plan and build systems to serve the needs of your organization and customers by evaluating the best technologies available through the framework of the data engineering lifecycle. Authors Joe Reis and Matt Housley walk you through the data engineering lifecycle and show you how to stitch together a variety of cloud technologies to serve the needs of downstream data consumers. You'll understand how to apply the concepts of data generation, ingestion, orchestration, transformation, storage, and governance that are critical in any data environment regardless of the underlying technology. This book will help you: Get a concise overview of the entire data engineering landscape Assess data engineering problems using an end-to-end framework of best practices Cut through marketing hype when choosing data technologies, architecture, and processes Use the data engineering lifecycle to design and build a robust architecture Incorporate data governance and security across the data engineering lifecycle

Designed to complement every introductory library reference course, this is the perfect text for students and librarians looking to expand their personal reference knowledge, teaching fail-safe methods for identifying important materials by matching specific types of questions to the best available sources, regardless of format. Guided by a national advisory board of educators and practitioners, this thoroughly updated text expertly keeps up with new technologies and practices while remaining grounded in the basics of reference work. Chapters on fundamental concepts, major reference sources, and special topics provide a solid foundation; the text also offers fresh insight on core issues, including ethics, readers' advisory, information literacy, and other key aspects of reference.

Librarianship;selecting and evaluating reference materials, with strategies for keeping up to date;assessing and improving reference services;guidance on conducting reference interviews with a range of different library users, including children and young adults;a new discussion of reference as programming;important special reference topics such as Google search, 24/7 reference, and virtual reference; anddelivering reference services across multiple platforms As librarians experience a changing climate for all information services professionals, in this book Cassell and Hiremath provide the tools needed to manage the ebb and flow of changing reference services in today's libraries.

Many NLP tasks have at their core a subtask of extracting the dependencies—who did what to whom—from natural language sentences. This task can be understood as the inverse of the problem solved in different ways by diverse human languages, namely, how to indicate the relationship between different parts of a sentence. Understanding how languages solve the problem can be extremely useful in both feature design and error analysis in the application of machine learning to NLP. Likewise, understanding cross-linguistic variation can be important for the design of MT systems and other multilingual applications. The purpose of this book is to present in a succinct and accessible fashion information about the morphological and syntactic structure of human languages that can be useful in creating more linguistically sophisticated, more language-independent, and thus more successful NLP systems. Table of Contents: Acknowledgments / Introduction/motivation / Morphology: Introduction / Morphophonology / Morphosyntax / Syntax: Introduction / Parts of speech / Heads, arguments, and adjuncts / Argument types and grammatical functions / Mismatches between syntactic position and semantic roles / Resources / Bibliography / Author's Biography / General Index / Index of Languages

Flash Facts

How the Mars Rover Performs Its Job

2nd Symposium on Mathematical Fundamentals of Database Systems, Visegrad, Hungary, June 26-30, 1989. Proceedings

Category Theory in Context

A Machine Learning Perspective

Fundamentals of Database Systems

This best-selling guide provides a complete, practical, up-to-date introduction to network and computer security. SECURITY+ GUIDE TO NETWORK SECURITY FUNDAMENTALS, Fifth Edition, maps to the new CompTIA Security+ SYO-401 Certification Exam, providing thorough coverage of all domain objectives to help readers prepare for professional certification and career success. The text covers the essentials of network security, including compliance and operational security: threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography. The extensively updated Fifth Edition features a new structure based on major domains, a new chapter dedicated to mobile device security, expanded coverage of attacks and defenses, and new and updated information reflecting recent developments and emerging trends in information security, such as virtualization. New hands-on and case activities help readers review and apply what they have learned, and end-of-chapter exercises direct readers to the Information Security Community Site for additional activities and a wealth of learning resources, including blogs, videos, , and current news and information relevant to the information security field. Important Notice: Media content referenced within the product description or the product text may not be available in the eBook version.

If you've ever felt like you suck at marketing, you're not alone. Survive and thrive in today's digital world. Let's face it, marketing today is really, really hard. From the explosion of digital advertising options to the thousands of martech tools out there on the market, it's virtually impossible to stay on top of it all. Even more challenging is the deluge of analytics available, leaving marketers swimming in data but thirsting for knowledge. But you don't have to feel like you suck at marketing. Join award-winning marketing leader Jeff Perkins as he examines how to avoid the pitfalls and survive in today's ever-changing marketing landscape. Focusing on essential skills for modern marketers, How Not to Suck at Marketing prepares you to - Create a focused marketing program that drives results - Collaborate effectively with the key stakeholders - Assemble a high-performing marketing team - Define and nurture your company (and personal) brand - Build a focused career and find the right job for you Digital tools allow us to track immediate results, but marketing has always been at the long game. Tackle your marketing strategy and build a focused career with this practical guide.

A new edition of the classic text explaining the fundamentals of competitive electricity marketsnow updated to reflect the evolution of these markets and the large scale deployment of generation from renewable energy sources The introduction of competition in the generation and retail of electricity has changed the ways in which power systems function. The design and operation of successful competitive electricity markets requires a sound understanding of both power systems engineering and underlying economic principles of a competitive market. This extensively revised and updated edition of the classic text on power system economics explains the basic economic principles underpinning the design, operation, and planning of modern power systems in a competitive environment. It also discusses the economics of renewable energy sources in electricity markets, the provision of incentives, and the cost of integrating renewables in the grid. Fundamentals of Power System Economics, Second Edition looks at the fundamental concepts of microeconomics, organization, and operation of electricity markets, market participants strategies, operational reliability and ancillary services, network congestion and related LMP and transmission rights, transmission investment, and generation investment. It also expands the chapter on generation investmentsdiscussing capacity mechanisms in more detail and the need for capacity markets aimed ensuring that enough generation capacity is available when renewable energy sources are not producing due to lack of wind or sun. Retains the highly praised first edition's focus and philosophy on the principles of competitive electricity markets and application of basic economics to power system operating and planning Includes an expanded chapter on power system operation that addresses the challenges stemming from the integration of renewable energy sources Addresses the need for additional flexibility and its provision by conventional generation, demand response, and energy storage Discusses the effects of the increased uncertainty on system operation Broadens its coverage of transmission investment and grid network investment Supports self-study with end-of-chapter problems and instructors with solutions manual via companion website Fundamentals of Power System Economics, Second Edition is essential reading for graduate and undergraduate students, professors, practicing engineers, as well as all others who want to understand how economics and power system engineering interact.

Develop faster with DevOps DevOps embraces a culture of unifying the creation and distribution of technology in a way that allows for faster release cycles and more resource-efficient product updating. DevOps For Dummies provides a guidebook for those on the development or operations side in need of a primer on this way of working. Inside, DevOps evangelist Emily Freeman provides a roadmap for adopting the management and technology tools, as well as the culture changes, needed to dive head-first into DevOps. Identify your organization's needs Create a DevOps framework Change your organizational structure Manage projects in the DevOps world DevOps For Dummies is essential reading for developers and operations professionals in the early stages of DevOps adoption.

Reflections on the Field, Reflections from the Field

Collective Wisdom from the Experts

MFDBS 89

Digital Curation Fundamentals

A Comprehensive Guide to Building Real-World NLP Systems

The Design and Engineering of Curiosity

Many books and courses tackle natural language processing (NLP) problems with toy use cases and well-defined datasets. But if you want to build, iterate, and scale NLP systems in a business setting and tailor them for particular industry verticals, this is your guide. Software engineers and data scientists will learn how to navigate the maze of options available at each step of the journey. Through the course of the book, authors Sowmya Vajjala, Bodhisattwa Majumder, Anuj Gupta, and Harshit Surana will guide you through the process of building real-world NLP solutions embedded in larger product setups. You'll learn how to adapt your solutions for different industry verticals such as healthcare, social media, and retail. With this book, you'll: Understand the wide spectrum of problem statements, tasks, and solution approaches within NLP Implement and evaluate different NLP applications using machine learning and deep learning methods Fine-tune your NLP solution based on your business problem and industry vertical Evaluate various algorithms and approaches for NLP product tasks, datasets, and stages Produce software solutions following best practices around release, deployment, and DevOps for NLP systems Understand best practices, opportunities, and the roadmap for NLP from a business and product leader's perspective

Technical Services Quarterly declared that the third edition "must now be considered the essential textbook for collection development and management ... the first place to go for reliable and informative advice." For the fourth edition expert instructor and librarian Johnson has revised and freshened this resource to ensure its timeliness and continued excellence. Each chapter offers a unique aspect of collection development and management, including numerous suggestions for further reading and narrative case studies exploring the issues. Thorough consideration is given to traditional management topics such as organization of the collection, weeding, staffing, and policymaking; cooperative collection development and management;licensing, negotiation, contracts, maintaining productive relationships with vendors and publishers, and other important purchasing and budgeting topics;important issues such as the ways that changes in information delivery and access technologies continue to reshape the discipline, the evolving needs and expectations of library users, and new roles for subject specialists, all illustrated using updated examples and data; andmarketing, liaison activities, and outreach. As a comprehensive introduction for LIS students, a primer for experienced librarians with new collection development and management responsibilities, and a handy reference resource for practitioners as they go about their day-to-day work, the value and usefulness of this book remain unequalled.

7300+ MCQ (Multiple Choice Questions and answers) in COMPUTER FUNDAMENTALS E-Book for fun, quizzes, and examinations. It contains only questions answers on the given topic. Each questions have an answer key at the end of the page. One can use it as a study guide, knowledge test book, quizbook, trivia...etc. This pdf is useful for you if you are looking for the following: (1)COMPUTER FUNDAMENTALS BOOK DOWNLOAD (2)DIGITAL COMPUTATIONAL FUNDAMENTALS BOOK PDF (3)DIGITAL COMPUTER FUNDAMENTALS BOOK FOR BCA (5)BCA COMPUTER FUNDAMENTALS QUESTIONS AND ANSWERS PDF (4)COMPUTER FUNDAMENTALS LONG QUESTIONS AND ANSWERS PDF (8)COMPUTER FUNDAMENTALS BOOK PDF (10)BIBEST COMPUTER FUNDAMENTALS BOOK (10)FUNDAMENTALS OF COMPUTER QUESTIONS AND ANSWERS PDF (11)BASIC COMPUTER FUNDAMENTALS QUESTIONS AND ANSWERS (12)COMPUTER FUNDAMENTALS SHORT QUESTIONS AND ANSWERS (14)COMPUTER FUNDAMENTALS QUESTIONS AND ANSWERS DOC (15)FUNDAMENTAL OF COMPUTER QUESTION PAPER PDF (16)LONG QUESTIONS ON COMPUTER FUNDAMENTALS

This volume is a collection of the most important contributions presented at the second MFDBS conference held in Visegrad, Hungary, June 26-30, 1989. The papers selected from more than one hundred submissions, originating from 23 countries in 4 continents, can be roughly divided into the following sections: theoretical fundamentals of relational databases, logical foundations and databases, data modelling, database design, deductive databases, transaction management and security, concurrency control and distributed databases. The volume reflects the current state of knowledge and is a guide to further development in database theory.

Embeddings in Natural Language Processing

Catalog of Copyright Entries: Third Series

Similar Languages, Varieties, and Dialects

How Successful People See the World

Reference and Information Services

Catalog of Copyright Entries

Successful people literally see the world differently. Now an award-winning scientist explains how anyone can leverage this “perception gap” to their advantage. “Get ready for this book to change how you see everything you see.”—Adam Grant, New York Times bestselling author of *Originals* and *Give and Take* When it comes to setting and meeting goals, we may see—quite literally—our plans, our progress, and our potential in the wrong ways. We perceive ourselves as being closer to or further from the end than we may actually be depending on our frame of reference. We handicap ourselves by looking too often at the big picture and at other times too long at the fine detail.

But as award-winning psychologist Emily Balcetis explains, there is great power in these perceptual illusions if we know when and how to use them to our advantage. Drawing on her own rigorous research and cutting-edge discoveries in vision science, cognitive research, and motivational psychology, Balcetis offers unique accounts of the perceptual habits, routines, and practices that successful people use to set and meet their ambitions. Through case studies of entrepreneurs, athletes, artists, and celebrities—as well as her own colorful experience of trying to set and reach a goal—the brings to life four powerful yet largely untapped visual tactics that can be applied according to the situation. Narrow your focus: Closing the aperture of your attention helps you exercise effectively, save money, and find more time in your day. Widen the bracket: Seeing the forest instead of the trees reduces temptations and helps you recognize when a change of course is in order. Materialize your plan and your progress: Creating checklists and objective assessments inspires better planning and adjusts your gauge of what’s really left to be done. Control your frame of reference: Knowing where to direct attention improves your ability to read others’ emotions, negotiate better deals, foster stronger relationships, and overcome a fear of public speaking. A mind-blowing and original tour of perception, *Clearer, Closer, Better* will help you see the possibilities in what you can’t see now. Inspiring, motivating, and always entertaining, it demonstrates that if we take advantage of our visual experiences, they can lead us to live happier, healthier, and more productive lives every day.

Digital Curation Fundamentals takes a straight-forward, commonsense approach to the complex problem of digital curation and preservation, and portrays the challenges and opportunities in an approachable conversational style which lowers the bar to include those with little to no technical expertise.

Computer Science: Reflections on the Field, Reflections from the Field provides a concise characterization of key ideas that lie at the core of computer science (CS) research. The book offers a description of CS research recognizing the richness and diversity of the field. It brings together two dozen essays on diverse aspects of CS research, their motivation and results. By describing in accessible form computer science’s intellectual character, and by conveying a sense of its vibrancy through a set of examples, the book aims to prepare readers for what the future might hold and help to inspire CS researchers in its creation.

The first practical guide to research methods in memory studies. This book provides expert appraisals of a range of techniques and approaches in memory studies, and focuses on methods and methodology as a way to help bring unity and coherence to this new American Book Publishing Record

Developmental-Behavioral Pediatrics E-Book

Natural Language Processing

Theory and Advances in Vector Representations of Meaning

Exploring Diary Methods in Higher Education Research

Practical Natural Language Processing

Fundamentals of Database Systems combines clear explanations of theory and design, broad coverage of modeling and real systems, and excellent examples with up-to-date introduction to modern database technologies. Now in its Third Edition, this book has been revised and updated to reflect the latest technological and application development. The authors emphasize the relational model and include recent object-oriented developments such as ODMG and SQL3 as well as the object-relational approach to database management.

Computer Science:Reflections on the Field, Reflections from the Field/National Academies Press

Between 1830 and 1914 in Britain a dramatic modification of the reputation of Edmund Burke (1730-1797) occurred. Burke, an Irishman and Whig politician, is now most commonly known as the ‘founder of modern conservatism’ – an intellectual tradition which is also deeply connected to the identity of the British Conservative Party. The idea of ‘Burkean conservatism’ – a political philosophy which upholds ‘the authority of tradition’, the organic, historic conception of society, and the necessity of order, religion, and property – has been incredibly influential both in international academic analysis and in the wider political world. This is a highly significant intellectual construct, but its origins have not yet been understood. Emily Jones demonstrates, for the first time, that the transformation of Burke into the ‘founder of conservatism’ was in fact part of wider developments in British political, intellectual, and cultural history in the nineteenth and early twentieth centuries. Drawing from a wide range of sources, including political texts, parliamentary speeches, histories, biographies, and educational curricula, Edmund Burke and the Invention of Modern Conservatism shows how and why Burke’s reputation was transformed over a formative period of British history. In doing so, it bridges the significant gap between the history of political thought as conventionally understood and the history of the making of political traditions. The result is to demonstrate that, by 1914, Burke had been firmly established as a ‘conservative’ political philosopher and was admired and utilized by political Conservatives in Britain who identified themselves as his intellectual heirs. This was one essential component of a conscious re-working of ‘Conservatism which is still at work today.

This how-to guide to good practices in the cloud is beginner-friendly but also takes a deep dive into topics such as architecting, scaling, and migrating. Authored by Emily Freeman covers topics including managing spend and measuring success. It’s the ultimate guide for developers and DevOps engineers who have already started to work with cloud-based systems and those planning to make to leap. Topics include: Migrating to the cloud Securing your system Spending money wisely on the cloud Automating yourself out of a job

The Science and Art of Conducting, Evaluating, and Using Research

97 Things Every Cloud Engineer Should Know

Fundamentals of Data Normalization

Clearer, Closer, Better

1960

Includes Part 1, Number 1 & 2: Books and Pamphlets, Including Serials and Contributions to Periodicals (January - December)

Have you ever wondered what’s at the bottom of the sea? Why polar ice melts? Or which tools forensic scientists use to solve a crime? Well look no further! Everyone’s favorite Scarlet Speedster is here to answer all your burning questions! Barry Allen, with the help of some of his close friends, will take readers on an exciting journey that examines everything from man. Curated by award-winning actress and author Mayim Bialik, PhD, and featuring stories created by an all-star cast of writers and illustrators, this anthology aligns with Next Generation Science Standards and provides a helpful bridge between the lessons taught inside the classroom and our everyday lives.

This undergraduate textbook introduces essential machine learning concepts in NLP in a unified and gentle mathematical framework.

How to think about, conduct, and evaluate research is fundamental to the study and understanding of criminology and criminal justice. Students take methods, statistics, theory, and topic-specific classes, but they struggle to integrate what they learn and to see how it fits within the broader field of criminology and criminal justice research. This book directly tackles this problem and demonstrates how the ‘nuts and bolts’ of criminal justice research - including research design, theory, data, and analysis - are and can be combined. Relying on numerous real-world examples and illustrations, this book reveals how anyone can ‘think like a researcher’. It reveals, too, why that ability is critical for being a savvy producer or consumer of criminological research.

Research Methods for Memory Studies

Technical and Scientific Books in Print

COMPUTER FUNDAMENTALS

Brant and Helms' Fundamentals of Diagnostic Radiology

Edmund Burke and the Invention of Modern Conservatism, 1830-1914

Fundamentals of Power System Economics

If you create, manage, operate, or configure systems running in the cloud, you’re a cloud engineer—even if you work as a system administrator, software developer, data scientist, or site reliability engineer. With this book, professionals from around the world provide valuable insight into today’s cloud engineering role. These concise articles explore the entire cloud computing experience, including fundamentals, architecture, and migration. You’ll delve into security and compliance, operations and reliability, and software development. And examine networking, organizational culture, and more. You’re sure to find 1, 2, or 97 things that inspire you to dig deeper and expand your own career. “Three Keys to Making the Right Multicloud Decisions.” Brendan O’Leary “Serverless Bad Practices.” Manases Jesus Gaiardo Bello “Failing a Cloud Migration.” Lee Atchison “Treat Your Cloud Environment as If It Were On Premises.” Iyana Garry “What Is ToIL, and Why Are SREs Obsessed with It?” Zachary Nickens “Lean QA: The QA Evolution in the DevOps World.” Theresa Neate “How Economics of Scale Work in the Cloud.” Jon Moore “The Cloud Is Not About the Cloud.” Ken Corless “Data Gravity: The Importance of Data Management in the Cloud.” Geoff Hughes “Even in the Cloud, the Network Is the Foundation.” David Murray “Cloud Engineering Is About Culture, Not Containers.” Holly Cummings

Embeddings have undoubtedly been one of the most influential research areas in Natural Language Processing (NLP). Encoding information into a low-dimensional vector representation, which is easily integrable in modern machine learning models, has played a central role in the development of NLP. Embedding techniques initially focused on words, but the attention soon started to shift to other forms: from graph structures, such as knowledge bases, to other types of textual content, such as sentences and documents. This book provides a high-level synthesis of the main embedding techniques in NLP, in the broad sense. The book starts by explaining conventional word vector space models and word embeddings (e.g., Word2Vec and GloVe) and then moves to other types of embeddings, such as word sense, sentence and document, and graph embeddings. The book also provides an overview of recent developments in contextualized representations (e.g., ELMo and BERT) and explains their potential in NLP. Throughout the book, the reader can find both essential information for understanding a certain topic from scratch and a broad overview of the most successful techniques developed in the literature.

This book describes the most complex machine ever sent to another planet: Curiosity. It is a one-ton robot with two brains, seventeen cameras, six wheels, nuclear power, and a laser beam on its head. No one human understands how all of its systems and instruments work. This essential reference to the Curiosity mission explains the engineering behind every system on the rover, from its rocket-powered jetpack to its radioisotope thermoelectric generator to its finnishly complex sample handling system. Its lavishly illustrated text explains how all the instruments work -- its cameras, spectrometers, sample-cooking oven, and weather station -- and describes the instruments’ abilities and limitations. It tells you how the systems have functioned on Mars, and how scientists and engineers have worked around problems developed on a faraway planet: holy wheels and broken focus lasers. And it explains the grueling mission operations schedule that keeps the rover working day in and day out.

Covering every essential topic: ranging from circulation and literacy instruction to reference and security, this benchmark text provides an up-to-date, broadly based view of library public service and its functions. • Covers all essential services of the library through completely reorganized and updated content that reflects the role of changing technologies in today’s libraries • Presents many new chapters that address the topics of print collections, media collections, e-resources, computer access, social media, legal issues, ethical issues, funding and other fiscal issues, and the library as place

Science, engineering, medicine, technology, Series SEMT

Fundamentals of Criminological and Criminal Justice Inquiry

Library Programs and Services: The Fundamentals, 8th Edition

Fundamentals of Data Engineering

The Fundamentals

Anatomy & Physiology

Many NLP tasks have at their core a subtask of extracting the dependencies who did what to whom from natural language sentences. This task can be understood as the inverse of the problem solved in different ways by diverse human languages, namely, how to indicate the relationship between different parts of a sentence. Understanding how languages solve the problem can be extremely useful in both feature design and error analysis in the application of machine learning to NLP. Likewise, understanding cross-linguistic variation can be important for the design of MT systems and other multilingual applications. The purpose of this book is to present in a succinct and accessible fashion information about the morphological and syntactic structure of human languages that can be useful in creating more linguistically sophisticated, more language-independent, and thus more successful NLP systems. Table of Contents: Acknowledgments / Introduction/motivation / Morphology: Introduction / Morphophonology / Morphosyntax / Syntax: Introduction / Parts of speech / Heads, arguments, and adjuncts / Argument types and grammatical functions / Mismatches between syntactic position and semantic roles / Resources / Bibliography / Author’s Biography / General Index / Index of Languages

Quantitative Social Science

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