Free read Modern cable television technology the morgan kaufmann series in networking [PDF]

this text represents a breakthrough in the process underlying the design of the increasingly common and important data driven applications i enjoyed reading this useful overview of the techniques and challenges of implementing linkers and loaders while most of the examples are focused on three computer architectures that are widely used today there are also many side comments about interesting and quirky computer architectures of the past i can tell from these war stories that the author really has been there himself and survived to tell the tale guy steele whatever your programming language whatever your platform you probably tap into linker and loader functions all the time but do you know how to use them to their greatest possible advantage only now with the publication of linkers loaders is there an authoritative book devoted entirely to these deep seated compile time and run time processes the book begins with a detailed and comparative account of linking and loading that illustrates the differences among various compilers and operating systems on top of this foundation the author presents clear practical advice to help you create faster cleaner code you ll learn to avoid the pitfalls associated with windows dlls take advantage of the space saving performance improving techniques supported by many modern linkers make the best use of the unix elf library scheme and much more if you re serious about programming you ll devour this unique guide to one of the field s least understood topics linkers loaders is also an ideal supplementary text for compiler and operating systems courses features includes a linker construction project written in perl with project files available for download covers dynamic linking in windows unix linux beos and other operating systems explains the java linking model and how it figures in network applets and extensible java code helps you write more elegant and effective code and build applications that compile load and run more efficiently whether students are preparing for careers in business information management education law or public policy no other book equips them with the broad understanding needed to effectively exploit these powerful technologies book jacket [illegible] fully revised and updated relational database design second edition is the most lucid and effective introduction to relational database design available here you ll find the conceptual and practical information you need to develop a design that ensures data accuracy and user satisfaction while optimizing performance regardless of your experience level or choice of dbms supporting the book s step by step instruction are three case studies illustrating the planning analysis and design steps involved in arriving at a sound design these real world examples include object relational design techniques which are addressed in greater detail in a new chapter devoted entirely to this timely subject concepts you need to master to put the book s practical instruction to work methods for tailoring your design to the environment in which the database will run and the uses to which it will be put design approaches that ensure data accuracy and consistency examples of how design can inhibit or boost database application performance object relational design techniques benefits and examples instructions on how to choose and use a normalization technique guidelines for understanding and applying codd s rules tools to implement a relational design using sql techniques for using case tools for database design traditionally networking has had little or no basis in analysis or architectural development with designers relying on technologies they are most familiar with or being influenced by vendors or consultants however the landscape of networking has changed so that network services have now become one of the most important factors to the success of many third generation networks it has become an important feature of the designer s job to define the problems that exist in his network choose and analyze several optimization parameters during the analysis process and then prioritize and evaluate these parameters in the architecture and design of the system network analysis architecture and design 3e uses a systems methodology approach to teaching these concepts which views the network and the environment it impacts as part of the larger system looking at interactions and dependencies between the network and its users applications and devices this approach matches the new business climate where customers drive the development of new services and the book discusses how networks can be architected and designed to provide many different types of services to customers with a number of examples analogies instructor tips and exercises this book works through the processes of analysis architecture and design step by step giving designers a solid resource for making good design decisions with examples guidelines and general principles mccabe illuminates how a network begins as a concept is built with addressing protocol routing and management and harmonizes with the interconnected technology around it other topics covered in the book are learning to recognize problems in initial design analyzing optimization parameters and then prioritizing these parameters and incorporating them into the architecture and design of the system this is an essential book for any professional that will be designing or working with a network on a routine basis substantially updated design content includes ad hoc networks gmpls ipv6 and mobile networking written by an expert in the field that has designed several large scale networks for government agencies universities and corporations incorporates real life ideas and experiences of many expert designers along with case studies and end of chapter exercises with this newly revised edition of the classic bestseller the authors continue to provide an enduring practical understanding of networks and their building blocks through rich example based instruction as the cost of building and upgrading complex large scale networks skyrockets carefully crafted network designs become critical a savings of as little as 5 in your network can amount to tens of thousands of dollars per month wide area network design concepts and tools for optimization provides the information you need to tackle the challenges of designing a network that meets your performance goals within the cost constraints of your organization if you are considering public service alternatives such as frame relay designing your own network with the tools provided in this book will empower you to estimate cost savings and evaluate bids from competing carriers intended for network designers planners and architects this book enables you to estimate traffic flows and requirements in your network and explains how to use various algorithms to design a network which must meets these requirements features presents underlying design principles to help you understand emerging and future networking protocols and technologies provides cost and traffic generators for estimating these parameters in your network introduces the unique incrementor algorithm which can help avert disaster when the traffic flows in your network have changed [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]3[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]sf the bestselling first edition of disappearing cryptography was known as the best introduction to information hiding this fully revised and expanded second edition describes a number of different techniques that people can use to hide information such as encryption of the many introductory books on database technology none are as pragmatic or as broadly useful as database principles programming performance in this second edition authors o neil and o neil offer a thoroughly up to date look at today s most critical database technologies including established relational products and the emerging object relational model throughout the focus is on the programming implementation and optimisation techniques that developers and administrators need to know to enjoy rapid regular advancement in the information technology field this book will appeal not only to the academic and corporate training market but also to new and aspiring professionals including data analysts seeking a reliable practical desktop reference [illegible] [illegible] [illegible] offering a carefully reviewed selection of over 50 papers illustrating the breadth and depth of computer architecture this text includes insightful introductions to guide readers through the primary sources the ability to learn is a fundamental characteristic of intelligent behavior consequently machine learning has been a focus of artificial intelligence since the beginnings of ai in the 1950s the 1980s saw tremendous growth in the field and this growth promises to continue with valuable contributions to science engineering and business readings in machine learning collects the best of the published machine learning literature including papers that address a wide range of learning tasks and that introduce a variety of techniques for giving machines the ability to learn the editors in cooperation with a group of expert referees have chosen important papers that empirically study theoretically analyze or psychologically justify machine learning algorithms the papers are grouped into a dozen categories each of which is introduced by the editors planning or reasoning about actions is a fundamental element of intelligent behavior and one that artificial intelligence has found very difficult to implement the most well understood approach to building planning systems has been under refinement since the late 1960s and has now reached a level of maturity where there are good prospects for building working planners practical planning is an in depth examination of this classical planning paradigm through an intensive case study of sipe a significantly implemented planning system the author the developer of sipe defines the planning problem in general explains why reasoning about actions is so complex and describes all parts of the sipe system and the algorithms needed to achieve efficiency details are discussed in the context of problems and important issues in building a practical planner discussions of how other systems address these issues are also included assuming only a basic background in ai practical planning will be of great interest to professionals interested in incorporating planning capabilities into ai systems [illegible] web[illegible] [illegible]python [illegible] python[illegible] [illegible] [illegible]python[illegible] [illegible] [illegible] [illegible] python[illegible] [illegible] 1[illegible] [illegible] 3[illegible] iphone[illegible]web[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]iphone[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] sb[illegible] [illegible] the creation of ever more realistic 3d images is central to the development of computer graphics ray tracing is one of the most popular and powerful means by which photo realistic images can now be created from fundamental principles to advanced applications this guide provides how to procedures and a detailed understanding of the scientific foundations of ray tracing richly illustrated with color and b w plates presenting visual thinking as a complex process that can be supported in every stage using specific design techniques this text provides practical task oriented information for designers and software developers charged with design responsibilities data mining concepts and techniques provides the concepts and techniques in processing gathered data or information which will be used in various applications specifically it explains data mining and the tools used in discovering knowledge from the collected data this book is referred as the knowledge discovery from data kdd it focuses on the feasibility usefulness effectiveness and scalability of techniques of large data sets after describing data mining this edition explains the methods of knowing preprocessing processing and warehousing data it then presents information about data warehouses online analytical processing olap and data cube technology then the methods involved in mining frequent patterns associations and correlations for large data sets are described the book details the methods for data classification and introduces the concepts and methods for data clustering the remaining chapters discuss the outlier detection and the trends applications and research frontiers in data mining this book is intended for computer science students application developers business professionals and researchers who seek information on data mining presents dozens of algorithms and implementation examples all in pseudo code and suitable for use in real world large scale data mining projects addresses advanced topics such as mining object relational databases spatial databases multimedia databases time series databases text databases the world wide and applications in several fields provides a comprehensive practical look at the concepts and techniques you need to get the most out of your data [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]1[illegible] [illegible] [illegible]db[illegible] [illegible] sql[illegible] [illegible] joe celko s sql for smarties fourth edition advanced sql programming [illegible] [illegible] sql[illegible] sql[illegible] [illegible] [illegible] [illegible] [illegible] sql[illegible] sql[illegible] [illegible] [illegible] [illegible] [illegible]sql[illegible] [illegible] [illegible] [illegible]sql[illegible] [illegible] sql[illegible] techniques from artificial intelligence control theory operations research and the decision sciences are invoked in this text reference devoted to the design of complex systems for applications in robotics automated manufacturing and time critical decision support systems annotation copyri bo classifier systems play a major role in machine learning and knowledge based systems and ross quinlan s work on id3 and c4 5 is widely acknowledged to have made some of the most significant contributions to their development this book is a complete guide to the c4 5 system as implemented in c for the unix environment it contains a comprehensive guide to the system s use the source code about 8 800 lines and implementation notes c4 5 starts with large sets of cases belonging to known classes the cases described by any mixture of nominal and numeric properties are scrutinized for patterns that allow the classes to be reliably discriminated these patterns are then expressed as models in the form of decision trees or sets of if then rules that can be used to classify new cases with emphasis on making the models understandable as well as accurate the system has been applied successfully to tasks involving tens of thousands of cases described by hundreds of properties the book starts from simple core learning methods and shows how they can be elaborated and extended to deal with typical problems such as missing data and over hitting advantages and disadvantages of the c4 5 approach are discussed and illustrated with several case studies this book should be of interest to developers of classification based intelligent systems and to students in machine learning and expert systems courses this book is a complete guide to the c4 5 system as implemented in c for the unix environment it contains a comprehensive guide to the system s use the source code about 8 800 lines and implementation notes data preprocessing for data mining addresses one of the most important issues within the well known knowledge discovery from data process data directly taken from the source will likely have inconsistencies errors or most importantly it is not ready to be considered for a data mining process furthermore the increasing amount of data in recent science industry and business applications calls to the requirement of more complex tools to analyze it thanks to data preprocessing it is possible to convert the impossible into possible adapting the data to fulfill the input demands of each data mining algorithm data preprocessing includes the data reduction techniques which aim at reducing the complexity of the data detecting or removing irrelevant and noisy elements from the data this book is intended to review the tasks that fill the gap between the data acquisition from the source and the data mining process a comprehensive look from a practical point of view including basic concepts and surveying the techniques proposed in the specialized literature is given each chapter is a stand alone guide to a particular data preprocessing topic from basic concepts and detailed descriptions of classical algorithms to an incursion of an exhaustive catalog of recent developments the in depth technical descriptions make this book suitable for technical professionals researchers senior undergraduate and graduate students in data science computer science and engineering data mining concepts and techniques fourth edition introduces concepts principles and methods for mining patterns knowledge and models from various kinds of data for diverse applications specifically it delves into the processes for uncovering patterns and knowledge from massive collections of data known as knowledge discovery from data or kdd it focuses on the feasibility usefulness effectiveness and scalability of data mining techniques for large data sets after an introduction to the concept of data mining the authors explain the methods for preprocessing characterizing and warehousing data they then partition the data mining methods into several major tasks introducing concepts and methods for mining frequent patterns associations and correlations for large data sets data classificcation and model construction cluster analysis and outlier detection concepts and methods for deep learning are systematically introduced as one chapter finally the book covers the trends applications and research frontiers in data mining presents a comprehensive new chapter on deep learning including improving training of deep learning models convolutional neural networks recurrent neural networks and graph neural networks addresses advanced topics in one dedicated chapter data mining trends and research frontiers including mining rich data types text spatiotemporal data and graph networks data mining applications such as sentiment analysis truth discovery and information propagattion data mining methodologie and systems and data mining and society provides a comprehensive practical look at the concepts and techniques needed to get the most out of your data [illegible] [illegible] risc [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]5[illegible]cpu[illegible] [illegible] google [illegible]amazon[illegible] [illegible]pc[illegible] [illegible] [illegible]1[illegible] case based reasoning is a methodology with a long tradition in artificial intelligence that brings together reasoning and machine learning techniques to solve problems based on past experiences or cases given a problem to be solved reasoning involves the use of methods to retrieve similar past cases in order to reuse their solution for the problem at hand once the problem has been solved learning methods can be applied to improve the knowledge based on past experiences in spite of being a broad methodology applied in industry and services case based reasoning has often been forgotten in both artificial intelligence and machine learning books the aim of this book is to present a concise introduction to case based reasoning providing the essential building blocks for the designing of case based reasoning systems as well as to bring together the main research lines in this field to encourage students to solve current cbr challenges search computing which has evolved from service computing focuses on building the answers to complex search queries by interacting with a constellation of cooperating search services using the ranking and joining of results as the dominant factors for service composition the field is multi disciplinary in nature and takes advantage of contributions from other research areas such as knowledge representation human computer interfaces psychology sociology economics and legal sciences this book the second in the search computing series describes the evolution of theories technologies and methods related to search computing the book has been divided into eight parts reflecting the main research directions within the search computing project the parts focus on search as an information exploration task interaction design issues when dealing with multi domain search results modeling and semantic description of search services the rank join problem query processing techniques and architectures tools and mashups for application development the application of search computing to bio informatics and the exploitation potentials of project results data modeling essentials third edition covers the basics of data modeling while focusing on developing a facility in techniques rather than a simple familiarization with the rules in order to enable students to apply the basics of data modeling to real models the book addresses the realities of developing systems in real world situations by assessing the merits of a variety of possible solutions as well as using language and diagramming methods that represent industry practice this revised edition has been given significantly expanded coverage and reorganized for greater reader comprehension even as it retains its distinctive hallmarks of readability and usefulness beginning with the basics the book provides a thorough grounding in theory before guiding the reader through the various stages of applied data modeling and database design later chapters address advanced subjects including business rules data warehousing enterprise wide modeling and data management it includes an entirely new section discussing the development of logical and physical modeling along with new material describing a powerful technique for model verification it also provides an excellent resource for additional lectures and exercises this text is the ideal reference for data modelers data architects database designers dbas and systems analysts as well as undergraduate and graduate level students looking for a real world perspective thorough coverage of the fundamentals and relevant theory recognition and support for the creative side of the process expanded coverage of applied data modeling includes new chapters on logical and physical database design new material describing a powerful technique for model verification unique coverage of the practical and human aspects of modeling such as working with business specialists managing change and resolving conflict data quality the accuracy dimension is about assessing the quality of corporate data and improving its accuracy using the data profiling method corporate data is increasingly important as companies continue to find new ways to use it likewise improving the accuracy of data in information systems is fast becoming a major goal as companies realize how much it affects their bottom line data profiling is a new technology that supports and enhances the accuracy of databases throughout major it shops jack olson explains data profiling and shows how it fits into the larger picture of data quality provides an accessible enjoyable introduction to the subject of data accuracy peppered with real world anecdotes provides a framework for data profiling with a discussion of analytical tools appropriate for assessing data accuracy is written by one of the original developers of data profiling technology is a must read for any data management staff it management staff and cios of companies with data assets dragons offers a perspective on the world of search and the effects of search engines and information availability on the present and future world in the blink of an eye since the turn of the millennium the lives of people who work with information have been utterly transformed everything we need to know is on the web it s where we learn and play shop and do business keep up with old friends and meet new ones search engines make it possible for us to find the stuff we need to know search engines web dragons are the portals through which we access society s treasure trove of information how do they stack up against librarians the gatekeepers over centuries past what role will libraries play in a world whose information is ruled by the web how is the web organized who controls its contents and how do they do it how do search engines work how can web visibility be exploited by those who want to sell us their wares what s coming tomorrow and can we influence it as we witness the dawn of a new era this book shows readers what it will look like and how it will change their world whoever you are if you care about information this book will open your eyes and make you blink presents a critical view of the idea of funneling information access through a small handful of gateways and the notion of a centralized index and the problems that may cause provides promising approaches for addressing the problems such as the personalization of web services presented by authorities in the field of digital libraries web history machine learning and web and data mining find more information at the author s site webdragons net [illegible] [illegible] [illegible]5[illegible] [illegible] [illegible] [illegible] [illegible]5[illegible] 1 [illegible] [illegible] 2 [illegible] [illegible] [illegible] [illegible] [illegible] moore[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

?????????? 2001-10 this text represents a breakthrough in the process underlying the design of the increasingly common and important data driven applications

???????????? 2006-03-20 i enjoyed reading this useful overview of the techniques and challenges of implementing linkers and loaders while most of the examples are focused on three computer architectures that are widely used today there are also many side comments about interesting and quirky computer architectures of the past i can tell from these war stories that the author really has been there himself and survived to tell the tale guy steele whatever your programming language whatever your platform you probably tap into linker and loader functions all the time but do you know how to use them to their greatest possible advantage only now with the publication of linkers loaders is there an authoritative book devoted entirely to these deep seated compile time and run time processes the book begins with a detailed and comparative account of linking and loading that illustrates the differences among various compilers and operating systems on top of this foundation the author presents clear practical advice to help you create faster cleaner code you ll learn to avoid the pitfalls associated with windows dlls take advantage of the space saving performance improving techniques supported by many modern linkers make the best use of the unix elf library scheme and much more if you re serious about programming you ll devour this unique guide to one of the field s least understood topics linkers loaders is also an ideal supplementary text for compiler and operating systems courses features includes a linker construction project written in perl with project files available for download covers dynamic linking in windows unix linux beos and other operating systems explains the java linking model and how it figures in network applets and extensible java code helps you write more elegant and effective code and build applications that compile load and run more efficiently

Morgan Kaufmann series in data management systems 2003 whether students are preparing for careers in business information management education law or public policy no other book equips them with the broad understanding needed to effectively exploit these powerful technologies book jacket

Linkers and Loaders 2000 ????????????????

Understanding Networked Applications 2000 fully revised and updated relational database design second edition is the most lucid and effective introduction to relational database design available here you ll find the conceptual and practical information you need to develop a design that ensures data accuracy and user satisfaction while optimizing performance regardless of your experience level or choice of dbms supporting the book s step by step instruction are three case studies illustrating the planning analysis and design steps involved in arriving at a sound design these real world examples include object relational design techniques which are addressed in greater detail in a new chapter devoted entirely to this timely subject concepts you need to master to put the book s practical instruction to work methods for tailoring your design to the environment in which the database will run and the uses to which it will be put design approaches that ensure data accuracy and consistency examples of how design can inhibit or boost database application performance object relational design techniques benefits and examples instructions on how to choose and use a normalization technique guidelines for understanding and applying codd s rules tools to implement a relational design using sql techniques for using case tools for database design

Linkers & Loaders 2001-09 traditionally networking has had little or no basis in analysis or architectural development with designers relying on technologies they are most familiar with or being influenced by vendors or consultants however the landscape of networking has changed so that network services have now become one of the most important factors to the success of many third generation networks it has become an important feature of the designer s job to define the problems that exist in his network choose and analyze several optimization parameters during the analysis process and then prioritize and evaluate these parameters in the architecture and design of the system network analysis architecture and design 3e uses a systems methodology approach to teaching these concepts which views the network and the environment it impacts as part of the larger system looking at interactions and dependencies between the network and its users applications and devices this approach matches the new business climate where customers drive the development of new services and the book discusses how networks can be architected and designed to provide many different types of services to customers with a number of examples analogies instructor tips and exercises this book works through the processes of analysis architecture and design step by step giving designers a solid resource for making good design decisions with examples guidelines and general principles mccabe illuminates how a network begins as a concept is built with addressing protocol routing and management and harmonizes with the interconnected technology around it other topics covered in the book are learning to recognize problems in initial design analyzing optimization parameters and then prioritizing these parameters and incorporating them into the architecture and design of the system this is an essential book for any professional that will be designing or working with a network on a routine basis substantially updated design content includes ad hoc networks gmpls ipv6 and mobile networking written by an expert in the field that has designed several large scale networks for government agencies universities and corporations incorporates real life ideas and experiences of many expert designers along with case studies and end of chapter exercises

Relational Database Design Clearly Explained 2002 with this newly revised edition of the classic bestseller the authors continue to provide an enduring practical understanding of networks and their building blocks through rich example based instruction

Network Analysis, Architecture, and Design 2007 as the cost of building and upgrading complex large scale networks skyrockets carefully crafted network designs become critical a savings of as little as 5 in your network can amount to tens of thousands of dollars per month wide area network design concepts and tools for optimization provides the information you need to tackle the challenges of designing a network that meets your performance goals within the cost constraints of your organization if you are considering public service alternatives such as frame relay designing your own network with the tools provided in this book will empower you to estimate cost savings and evaluate bids from competing carriers intended for network designers planners and architects this book enables you to estimate traffic flows and requirements in your network and explains how to use various algorithms to design a network which must meets these requirements features presents underlying design principles to help you understand emerging and future networking protocols and technologies provides cost and traffic generators for estimating these parameters in your network introduces the unique incrementor algorithm which can help avert disaster when the traffic flows in your network have changed

Elements of Machine Learning 1996 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]3[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]sf

Computer Networks 2003 the bestselling first edition of disappearing cryptography was known as the best introduction to information hiding this fully revised and expanded second edition describes a number of different techniques that people can use to hide information such as encryption

C4.5 : Programs for Machine Learning 1993 of the many introductory books on database technology none are as pragmatic or as broadly useful as database principles programming performance in this second edition authors o neil and o neil offer a thoroughly up to date look at today s most critical database technologies including established relational products and the emerging object relational model throughout the focus is on the programming implementation and optimisation techniques that developers and administrators need to know to enjoy rapid regular advancement in the information technology field this book will appeal not only to the academic and corporate training market but also to new and aspiring professionals including data analysts seeking a reliable practical desktop reference

Wide Area Network Design 1998-05 [illegible] [illegible] [illegible]

[illegible] 2017-09 offering a carefully reviewed selection of over 50 papers illustrating the breadth and depth of computer architecture this text includes insightful introductions to guide readers through the primary sources

Disappearing Cryptography 2002 the ability to learn is a fundamental characteristic of intelligent behavior consequently machine learning has been a focus of artificial intelligence since the beginnings of ai in the 1950s the 1980s saw tremendous growth in the field and this growth promises to continue with valuable contributions to science engineering and business readings in machine learning collects the best of the published machine learning literature including papers that address a wide range of learning tasks and that introduce a variety of techniques for giving machines the ability to learn the editors in cooperation with a group of expert referees have chosen important papers that empirically study theoretically analyze or psychologically justify machine learning algorithms the papers are grouped into a dozen categories each of which is introduced by the editors

Database--principles, Programming, and Performance 2001 planning or reasoning about actions is a fundamental element of intelligent behavior and one that artificial intelligence has found very difficult to implement the most well understood approach to building planning systems has been under refinement since the late 1960s and has now reached a level of maturity where there are good prospects for building working planners practical planning is an in depth examination of this classical planning paradigm through an intensive case study of sipe a significantly implemented planning system the author the developer of sipe defines the planning problem in general explains why reasoning about actions is so complex and describes all parts of the sipe system and the algorithms needed to achieve efficiency details are discussed in the context of problems and important issues in building a practical planner discussions of how other systems address these issues are also included assuming only a basic background in ai practical planning will be of great interest to professionals interested in incorporating planning capabilities into ai systems

[illegible] 2011-11 [illegible] web[illegible] [illegible]python [illegible] python[illegible] [illegible] [illegible]python[illegible] [illegible] [illegible] [illegible] python[illegible] [illegible] [illegible] 1[illegible] 3[illegible] iphone[illegible]web[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]iphone[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] sb[illegible] [illegible]

Building an Object-oriented Database System - the Story of O2 1992 the creation of ever more realistic 3d images is central to the development of computer graphics ray tracing is one of the most popular and powerful means by which photo realistic images can now be created from fundamental principles to advanced applications this guide provides how to procedures and a detailed understanding of the scientific foundations of ray tracing richly illustrated with color and b w plates

[illegible] 2005-11 presenting visual thinking as a complex process that can be supported in every stage using specific design techniques this text provides practical task oriented information for designers and software developers charged with design responsibilities

Readings in Computer Architecture 2000 data mining concepts and techniques provides the concepts and techniques in processing gathered data or information which will be used in various applications specifically it explains data mining and the tools used in discovering knowledge from the collected data this book is referred as the knowledge discovery from data kdd it focuses on the feasibility usefulness effectiveness and scalability of techniques of large data sets after describing data mining this edition explains the methods of knowing preprocessing processing and warehousing data it then presents information about data warehouses online analytical processing olap and data cube technology then the methods involved in mining frequent patterns associations and correlations for large data sets are described the book details the methods for data classification and introduces the concepts and methods for data clustering the remaining chapters discuss the outlier detection and the trends applications and research frontiers in data mining this book is intended for computer science students application developers business professionals and researchers who seek information on data mining presents dozens of algorithms and implementation examples all in pseudo code and suitable for use in real world large scale data mining projects addresses advanced topics such as mining object relational databases spatial databases multimedia databases time series databases text databases the world wide and applications in several fields provides a comprehensive practical look at the concepts and techniques you need to get the most out of your data

Readings in Machine Learning 1990 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]1[illegible] [illegible]

Representations of Commonsense Knowledge 1990 [illegible]db[illegible] [illegible] sql[illegible] [illegible] joe celko s sql for smarties fourth edition advanced sql programming [illegible] [illegible] sql[illegible] [illegible] sql[illegible] [illegible] [illegible] [illegible] [illegible] sql[illegible] sql[illegible] [illegible] [illegible] [illegible] [illegible]sql[illegible] [illegible] [illegible] [illegible]sql[illegible] [illegible] sql[illegible]

Practical Planning 1988-09 techniques from artificial intelligence control theory operations research and the decision sciences are invoked in this text reference devoted to the design of complex systems for applications in robotics automated manufacturing and time critical decision support systems annotation copyri bo

Python 1[illegible] [illegible] 2017-12-05 classifier systems play a major role in machine learning and knowledge based systems and ross quinlan s work on id3 and c4 5 is widely acknowledged to have made some of the most significant contributions to their development this book is a complete guide to the c4 5 system as implemented in c for the unix environment it contains a comprehensive guide to the system s use the source code about 8 800 lines and implementation notes c4 5 starts with large sets of cases belonging to known classes the cases described by any mixture of nominal and numeric properties are scrutinized for patterns that allow the classes to be reliably discriminated these patterns are then expressed as models in the form of decision trees or sets of if then rules that can be used to classify new cases with emphasis on making the models understandable as well as accurate the system has been applied successfully to tasks involving tens of thousands of cases described by hundreds of properties the book starts from simple core learning methods and shows how they can be elaborated and extended to deal with typical problems such as missing data and over hitting advantages and disadvantages of the c4 5 approach are discussed and illustrated with several case studies this book should be of interest to developers of classification based intelligent systems and to students in machine learning and expert systems courses

An Introduction to Ray Tracing 1989-01-28 this book is a complete guide to the c4 5 system as implemented in c for the unix environment it contains a comprehensive guide to the system s use the source code about 8 800 lines and implementation notes

Visual Thinking for Design 2008 data preprocessing for data mining addresses one of the most important issues within the well known knowledge discovery from data process data directly taken from the source will likely have inconsistencies errors or most importantly it is not ready to be considered for a data mining process furthermore the increasing amount of data in recent science industry and business applications calls to the requirement of more complex tools to analyze it thanks to data preprocessing it is possible to convert the impossible into possible adapting the data to fulfill the input demands of each data mining algorithm data preprocessing includes the data reduction techniques which aim at reducing the complexity of the data detecting or removing irrelevant and noisy elements from the data this book is intended to review the tasks that fill the gap between the data acquisition from the source and the data mining process a comprehensive look from a practical point of view including basic concepts and surveying the techniques proposed in the specialized literature is given each chapter is a stand alone guide to a particular data preprocessing topic from basic concepts and detailed descriptions of classical algorithms to an incursion of an exhaustive catalog of recent developments the in depth technical descriptions make this book suitable for technical professionals researchers senior undergraduate and graduate students in data science computer science and engineering

Data Mining: Concepts and Techniques 2011-06-09 data mining concepts and techniques fourth edition introduces concepts principles and methods for mining patterns knowledge and models from various kinds of data for diverse applications specifically it delves into the processes for uncovering patterns and knowledge from massive collections of data known as knowledge discovery from data or kdd it focuses on the feasibility usefulness effectiveness and scalability of data mining techniques for large data sets after an introduction to the concept of data mining the authors explain the methods for preprocessing characterizing and warehousing data they then partition the data mining methods into several major tasks introducing concepts and methods for mining frequent patterns associations and correlations for large data sets data classificcation and model construction cluster analysis and outlier detection concepts and methods for deep learning are systematically introduced as one chapter finally the book covers the trends applications and research frontiers in data mining presents a comprehensive new chapter on deep learning including improving training of deep learning models convolutional neural networks recurrent neural networks and graph neural networks addresses advanced topics in one dedicated chapter data mining trends and research frontiers including mining rich data types text spatiotemporal data and graph networks data mining applications such as sentiment analysis truth discovery and information propagattion data mining methodologie and systems and data mining and society provides a comprehensive practical look at the concepts and techniques needed to get the most out of your data

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[illegible]SQL [illegible]4[illegible] 2013-05-23 case based reasoning is a methodology with a long tradition in artificial intelligence that brings together reasoning and machine learning techniques to solve problems based on past experiences or cases given a problem to be solved reasoning involves the use of methods to retrieve similar past cases in order to reuse their solution for the problem at hand once the problem has been solved learning methods can be applied to improve the knowledge based on past experiences in spite of being a broad methodology applied in industry and services case based reasoning has often been forgotten in both artificial intelligence and machine learning books the aim of this book is to present a concise introduction to case based reasoning providing the essential building blocks for the designing of case based reasoning systems as well as to bring together the main research lines in this field to encourage students to solve current cbr challenges

Planning and Control 1991 search computing which has evolved from service computing focuses on building the answers to complex search queries by interacting with a constellation of cooperating search services using the ranking and joining of results as the dominant factors for service composition the field is multi disciplinary in nature and takes advantage of contributions from other research areas such as knowledge representation human computer interfaces psychology sociology economics and legal sciences this book the second in the search computing series describes the evolution of theories technologies and methods related to search computing the book has been divided into eight parts reflecting the main research directions within the search computing project the parts focus on search as an information exploration task interaction design issues when dealing with multi domain search results modeling and semantic description of search services the rank join problem query processing techniques and architectures tools and mashups for application development the application of search computing to bio informatics and the exploitation potentials of project results

C4.5 2014-06-28 data modeling essentials third edition covers the basics of data modeling while focusing on developing a facility in techniques rather than a simple familiarization with the rules in order to enable students to apply the basics of data modeling to real models the book addresses the realities of developing systems in real world situations by assessing the merits of a variety of possible solutions as well as using language and diagramming methods that represent industry practice this revised edition has been given significantly expanded coverage and reorganized for greater reader comprehension even as it retains its distinctive hallmarks of readability and usefulness beginning with the basics the book provides a thorough grounding in theory before guiding the reader through the various stages of applied data modeling and database design later chapters address advanced subjects including business rules data warehousing enterprise wide modeling and data management it includes an entirely new section discussing the development of logical and physical modeling along with new material describing a powerful technique for model verification it also provides an excellent resource for additional lectures and exercises this text is the ideal reference for data modelers data architects database designers dbas and systems analysts as well as undergraduate and graduate level students looking for a real world perspective thorough coverage of the fundamentals and relevant theory recognition and support for the creative side of the process expanded coverage of applied data modeling includes new chapters on logical and physical database design new material describing a powerful technique for model verification unique coverage of the practical and human aspects of modeling such as working with business specialists managing change and resolving conflict

C4.5 1993 data quality the accuracy dimension is about assessing the quality of corporate data and improving its accuracy using the data profiling method corporate data is increasingly important as companies continue to find new ways to use it likewise improving the accuracy of data in information systems is fast becoming a major goal as companies realize how much it affects their bottom line data profiling is a new technology that supports and enhances the accuracy of databases throughout major it shops jack olson explains data profiling and shows how it fits into the larger picture of data quality provides an accessible enjoyable introduction to the subject of data accuracy peppered with real world anecdotes provides a framework for data profiling with a discussion of analytical tools appropriate for assessing data accuracy is written by one of the original developers of data profiling technology is a must read for any data management staff it management staff and cios of companies with data assets

Data Preprocessing in Data Mining 2014-08-30 dragons offers a perspective on the world of search and the effects of search engines and information availability on the present and future world in the blink of an eye since the turn of the millennium the lives of people who work with information have been utterly transformed everything we need to know is on the web it s where we learn and play shop and do business keep up with old friends and meet new ones search engines make it possible for us to find the stuff we need to know search engines web dragons are the portals through which we access society s treasure trove of information how do they stack up against librarians the gatekeepers over centuries past what role will libraries play in a world whose information is ruled by the web how is the web organized who controls its contents and how do they do it how do search engines work how can web visibility be exploited by those who want to sell us their wares what s coming tomorrow and can we influence it as we witness the dawn of a new era this book shows readers what it will look like and how it will change their world whoever you are if you care about information this book will open your eyes and make you blink presents a critical view of the idea of funneling information access through a small handful of gateways and the notion of a centralized index and the problems that may cause provides promising approaches for addressing the problems such as the personalization of web services presented by authorities in the field of digital libraries web history machine learning and web and data mining find more information at the author s site webdragons net

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Case-based Reasoning 2013

Search Computing 2011-03-09

Data Modeling Essentials 2004-12-03

Data Quality 2003-01-09

Web Dragons 2010-07-27

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