

Free epub Applied text analysis with python enabling language aware data products with machine learning [PDF]

Applied Text Analysis with Python Python Building Chatbots with Python Python Programming Language Practical SQL, 2nd Edition Text Analytics Speech and Language Technologies for Low-Resource Languages The Definitive Guide to MongoDB The Definitive Guide to MongoDB Designing and Developing Robust Instructional Apps Applied Text Analysis with Python The Definitive Guide to MongoDB Computer Science in Sport Advanced Machine Learning using Python Programming Python Algorithms and Data Structures with Python Computer Aided Verification MongoDB Basics Red Hat Linux Networking and System Administration Internet of Things Multimedia Big Data Computing for IoT Applications The 2005 HST Calibration Workshop System Analysis and Modeling. Languages, Methods, and Tools for Systems Engineering Advances in Automation V Handbook of Artificial Intelligence for Music WebAssembly Essentials Parallel Processing and Applied Mathematics Artificial Intelligence and Visualization: Advancing Visual Knowledge Discovery Data Analytics for Business Artificial Intelligence Methods for Optimization of the Software Testing Process Leveraging Applications of Formal Methods, Verification and Validation: Foundational Techniques Python in Neuroscience .NET Mastery: The .NET Interview Questions and Answers Python Coding Examples from Simple to Complex PostGIS in Action, Third Edition Enabling AI Applications in Data Science Microsoft Visual C# 2010 Step by Step Asynchronous Many-Task Systems and Applications Research Topics in Bioactivity, Environment and Energy

Applied Text Analysis with Python

2018

with early release ebooks you get books in their earliest form the author s raw and unedited content as he or she writes so you can take advantage of these technologies long before the official release of these titles you ll also receive updates when significant changes are made new chapters are available and the final ebook bundle is released the programming landscape of natural language processing has changed dramatically in the past few years machine learning approaches now require mature tools like python s scikit learn to apply models to text at scale this practical guide shows programmers and data scientists who have an intermediate level understanding of python and a basic understanding of machine learning and natural language processing how to become more proficient in these two exciting areas of data science this book presents a concise focused and applied approach to text analysis with python and covers topics including text ingestion and wrangling basic machine learning on text classification for text analysis entity resolution and text visualization applied text analysis with python will enable you to design and develop language aware data products you ll learn how and why machine learning algorithms make decisions about language to analyze text how to ingest wrangle and preprocess language data and how the three primary text analysis libraries in python work in concert ultimately this book will enable you to design and develop language aware data products

Python

2017

this book introduces students with little or no prior programming experience to the art of computational problem solving using python and various python libraries including pylab it provides students with skills that will enable them to make productive use of computational techniques including some of the tools and techniques of data science for using computation to model and interpret data the book is based on an mit course which became the most popular course offered through mit s opencourseware and was developed for use not only in a conventional classroom but in in a massive open online course mooc this new edition has been updated for python 3 reorganized to make it easier to use for courses that cover only a subset of the material and offers additional material including five new chapters students are introduced to python and the basics of programming in the context of such computational concepts and techniques as exhaustive enumeration bisection search and efficient approximation algorithms although it covers such traditional topics as computational complexity and simple algorithms the book focuses on a wide range of topics not found in most introductory texts including information visualization simulations to model randomness computational techniques to understand data and statistical techniques that inform and misinform as well as two related but relatively advanced topics optimization problems and dynamic programming this edition offers expanded material on statistics and machine learning and new chapters on frequentist and bayesian statistics

Building Chatbots with Python

2019

build your own chatbot using python and open source tools this book begins with an introduction to chatbots where you will gain vital information on their architecture you will then dive straight into natural language processing with the natural language toolkit nltk for building a custom language processing platform for your chatbot with this foundation you will take a look at different natural language processing techniques so that you can choose the right one for you the next stage is to learn to build a chatbot using the api ai platform and define its intents and entities during this example you will learn to enable communication with your bot and also take a look at key points of its integration and deployment the final chapter of building chatbots with python teaches you how to build train and deploy your very own chatbot using open source libraries and machine learning techniques you will learn to predict conditions for your bot and develop a conversational agent as a web application finally you will deploy your chatbot on your own server with aws you will gain the basics of natural language processing using python collect data and train your data for the chatbot build your chatbot from scratch as a web app integrate your chatbots with facebook slack and telegram deploy chatbots on your own server

Python Programming Language

2021-03-27

buy it now and let your customers get addicted to this amazing book 55 off for bookstores python programming language the ultimate tool to progress your python programming from good to great while making coding in scratch look easy curious to know more about programming and improve your skills then this python data science handbook will enable you to quickly progress ahead when it comes to the it world there are various options for programming platforms to choose from and start building a career then how to choose which one to go after your first guess might be one that is relatively simple easy to use and perhaps compatible with other software then there should be good resources that you can lean on so that you can actually start coding as soon as possible guess what python combines all of these features and with the help of this great handbook in a matter of weeks you will be writing your own coding and even performing errands going through this book you will quickly understand how python works and how much advantageous its functionalities are compared to other programming languages find a step by step process on python installation and have it set up in no time get to use python shell and navigate through writing your very first program it s used to execute commands you simply make an input the code does the rest practice the material you just learned with provided exercises to ensure you got everything properly practice makes perfect reveal a complete list in terms of data type and use it as a solution as per the respective circumstance numbers strings tuples booleans all is in there python programming language python algorithms python machine learning and there s much more struggling to find the proper approach to completing a project might bring along frustration but this should not be the case here having the right tools at your fingertips and knowing that your back s covered all the support you need is right here delivered by python and the cautious handbook you are about to get your hands on ah and another thing don t worry if you are new to python this guide will fill in the gaps and make your project successful buy it now and let your customers get addicted to this amazing

book 55 off for bookstores

Practical SQL, 2nd Edition

2022-01-25

analyze data like a pro even if you're a beginner practical sql is an approachable and fast paced guide to sql structured query language the standard programming language for defining organizing and exploring data in relational databases anthony debarros a journalist and data analyst focuses on using sql to find the story within your data the examples and code use the open source database postgresql and its companion pgadmin interface and the concepts you learn will apply to most database management systems including mysql oracle sqlite and others you'll first cover the fundamentals of databases and the sql language then build skills by analyzing data from real world datasets such as us census demographics new york city taxi rides and earthquakes from us geological survey each chapter includes exercises and examples that teach even those who have never programmed before all the tools necessary to build powerful databases and access information quickly and efficiently you'll learn how to create databases and related tables using your own data aggregate sort and filter data to find patterns use functions for basic math and advanced statistical operations identify errors in data and clean them up analyze spatial data with a geographic information system postgis create advanced queries and automate tasks this updated second edition has been thoroughly revised to reflect the latest in sql features including additional advanced query techniques for wrangling data this edition also has two new chapters an expanded set of instructions on for setting up your system plus a chapter on using postgresql with the popular json data interchange format learning sql doesn't have to be dry and complicated practical sql delivers clear examples with an easy to follow approach to teach you the tools you need to build and manage your own databases microsoft sql server employs a variant of the language called t sql which is not covered by practical sql

Text Analytics

2022-05-03

text analytics an introduction to the science and applications of unstructured information analysis is a concise and accessible introduction to the science and applications of text analytics or text mining which enables automatic knowledge discovery from unstructured information sources for both industrial and academic purposes the book introduces the main concepts models and computational techniques that enable the reader to solve real decision making problems arising from textual and or documentary sources features easy to follow step by step concepts and methods every chapter is introduced in a very gentle and intuitive way so students can understand the whys what ifs what is this for hows etc by themselves practical programming exercises in python for each chapter includes theory and practice for every chapter summaries practical coding exercises for target problems qa and sample code and data available for download at routledge.com atkinson abutridy p book 9781032249797

Speech and Language Technologies for Low-Resource Languages

2013-11-29

the definitive guide to mongodb second edition is updated for the latest version and includes all of the latest mongodb features including the aggregation framework introduced in version 2.2 and hashed indexes in version 2.4 mongodb is the most popular of the big data nosql database technologies and it's still growing david hows from 10gen along with experienced mongodb authors peter membrey and eelco plugge provide their expertise and experience in teaching you everything you need to know to become a mongodb pro

The Definitive Guide to MongoDB

2011-01-27

mongodb a cross platform nosql database is the fastest growing new database in the world mongodb provides a rich document oriented structure with dynamic queries that you'll recognize from rdbms offerings such as mysql in other words this is a book about a nosql database that does not require the sql crowd to re learn how the database world works mongodb has reached 1.0 and boasts 50,000 users the community is strong and vibrant and mongodb is improving at a fast rate with scalable and fast databases becoming critical for today's applications this book shows you how to install administer and program mongodb without pretending sql never existed

The Definitive Guide to MongoDB

2018-03-12

designing and developing robust instructional apps advances the state of instructional app development using three learning paradigms for building knowledge foundations problem solving and experimentation drawing on research and development lessons gleaned from noted educational technologists time tested systematic instructional design processes and results from user experience design the book considers the planning and specification of instructional apps that blend media text images sound and moving pictures and instructional method further for readers with little to no programming experience introductory treatments of javascript and python along with data fundamentals and machine learning techniques offer a guided journey that produces robust instructional apps and concludes with next steps for advancing the state of instructional app development

Designing and Developing Robust Instructional Apps

2018-06-11

from news and speeches to informal chatter on social media natural language is one of the richest and most underutilized sources of data not only does it come in a constant stream always changing and adapting in context it also contains information that is not conveyed by traditional data sources the key to unlocking natural language is through the creative application of text analytics this practical book presents a data scientist s approach to building language aware products with applied machine learning you ll learn robust repeatable and scalable techniques for text analysis with python including contextual and linguistic feature engineering vectorization classification topic modeling entity resolution graph analysis and visual steering by the end of the book you ll be equipped with practical methods to solve any number of complex real world problems preprocess and vectorize text into high dimensional feature representations perform document classification and topic modeling steer the model selection process with visual diagnostics extract key phrases named entities and graph structures to reason about data in text build a dialog framework to enable chatbots and language driven interaction use spark to scale processing power and neural networks to scale model complexity

Applied Text Analysis with Python

2015-12-11

the definitive guide to mongodb third edition is updated for mongodb 3 and includes all of the latest mongodb features including the aggregation framework introduced in version 2.2 and hashed indexes in version 2.4 the third edition also now includes python mongodb is the most popular of the big data nosql database technologies and it s still growing david hows from 10gen along with experienced mongodb authors peter membrey and eelco plugge provide their expertise and experience in teaching you everything you need to know to become a mongodb pro

The Definitive Guide to MongoDB

2023-07-13

the author s and publisher of this book have used their best efforts in preparing this book these efforts include the development research and testing of the theories and programs to determine their effectiveness the authors and publisher makes no warranty of any kind expressed or implied with regard to these programs or the documentation contained in this book the authors and publisher shall not be liable in any event for incidental or consequential damages in connection with or arising out of the furnishing performance or use of these programs copyrights 2023 by milestone research publications inc this edition is published by arrangement with milestone research foundation inc this book is sold subject to the condition that it shall not by way of trade or otherwise be lent resold hired out or otherwise circulated without the publisher s prior written consent in any form of binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser and without limiting the rights under copyright reserved above no part of this publication may be reproduced stored in or introduced into retrieval system or transmitted in any form or by any means electronic mechanical photocopying recording and otherwise without the prior written permission of both the copyright owner and the above

mentioned publisher of this book

Computer Science in Sport

2023-04-14

pythonpython 3

Advanced Machine Learning using Python Programming

2024-06-12

master python and elevate your algorithmic skills with this comprehensive course from introductory concepts to advanced computational problems learn how to efficiently solve complex challenges and optimize your code key features comprehensive introduction to python programming and algorithms detailed exploration of data structures and sorting searching techniques advanced topics including graph algorithms and computational problem solving book description begin your journey with an introduction to python and algorithms laying the groundwork for more complex topics you will start with the basics of python programming ensuring a solid foundation before diving into more advanced and sophisticated concepts as you progress you will explore elementary data containers gaining an understanding of their role in algorithm development midway through the course you will delve into the art of sorting and searching mastering techniques that are crucial for efficient data handling you will then venture into hierarchical data structures such as trees and graphs which are essential for understanding complex data relationships by mastering algorithmic techniques you will learn how to implement solutions for a variety of computational challenges the latter part of the course focuses on advanced topics including network algorithms string and pattern deciphering and advanced computational problems you will apply your knowledge through practical case studies and optimizations bridging the gap between theoretical concepts and real world applications this comprehensive approach ensures you are well prepared to handle any programming challenge with confidence what you will learn master sorting and searching algorithms implement hierarchical data structures like trees and graphs apply advanced algorithmic techniques to solve complex problems optimize code for efficiency and performance understand and implement advanced graph algorithms translate theoretical concepts into practical real world solutions who this book is for this course is designed for a diverse group of learners including technical professionals software developers computer science students and data enthusiasts it caters to individuals who have a basic understanding of programming and are eager to deepen their knowledge of python and algorithms whether you are a recent graduate or an experienced developer looking to expand your skill set this course is tailored to meet the needs of all types of audiences ideal for those aiming to strengthen their algorithmic thinking and improve their coding efficiency

Python [2]

2020-07-15

the open access two volume set Incs 12224 and 12225 constitutes the refereed proceedings of the 32st international conference on computer aided verification cav 2020 held in los angeles ca usa in july 2020 the 43 full papers presented together with 18 tool papers and 4 case studies were carefully reviewed and selected from 240 submissions the papers were organized in the following topical sections part i ai verification blockchain and security concurrency hardware verification and decision procedures and hybrid and dynamic systems part ii model checking software verification stochastic systems and synthesis the conference was held virtually due to the covid 19 pandemic

Algorithms and Data Structures with Python

2014-12-05

need a quick and easy to understand introduction to mongodb and nosql databases mongodb basics from the definitive guide to mongodb 2e shows you how a document oriented database system differs from a relational database and how to install and get started using it you ll also learn mongodb design basics including geospatial indexing how to navigate view and query your database and how to use gridfs with a bit of python

Computer Aided Verification

2007-04-10

starts with the basics of red hat the leading linux distribution in the u s such as network planning and red hat installation and configuration offers a close look at the new red hat enterprise linux 4 and fedora core 4 releases new chapters cover configuring a database server creating a vnc server monitoring performance providing services exploring selinux security basics and exploring desktops demonstrates how to maximize the use of red hat network upgrade and customize the kernel install and upgrade software packages and back up and restore the file system the four cds contain the full fedora core 4 distribution

MongoDB Basics

2024-03-14

this book addresses the fundamental technologies architectures application domains and future research directions of the internet of things iot it also discusses how to create your own iot system according to applications requirements and it presents a broader view of recent trends

in the iot domain and open research issues this book encompasses various research areas such as wireless networking advanced signal processing iot and ubiquitous computing internet of things theory to practice discusses the basics and fundamentals of iot and real time applications as well as the associated challenges and open research issues the book includes several case studies about the use of iot in day to day life the authors review various advanced computing technologies such as cloud computing fog computing edge computing and big data analytics that will play crucial roles in future iot based services the book provides a detailed role of blockchain technology narrowband iot nb iot wireless body area network wban lora a longrange low power platform and industrial iot iiot in the 5g world this book is intended for university college students as well as amateur electronic hobbyists and industry professionals who are looking to stay current in the iot domain

Red Hat Linux Networking and System Administration

2019-07-17

this book considers all aspects of managing the complexity of multimedia big data computing mmbd for iot applications and develops a comprehensive taxonomy it also discusses a process model that addresses a number of research challenges associated with mmbd such as scalability accessibility reliability heterogeneity and quality of service qos requirements presenting case studies to demonstrate its application further the book examines the layered architecture of mmbd computing and compares the life cycle of both big data and mmbd written by leading experts it also includes numerous solved examples technical descriptions scenarios procedures and algorithms

Internet of Things

2006

this book constitutes the refereed proceedings of the 10th international conference on system analysis and modeling sam 2018 held in copenhagen denmark in october 2018 the 12 full papers and 2 short papers presented were carefully reviewed and selected from 24 submissions the papers describe innovations trends and experiences in modeling and analysis of complex systems using itu t s specification and description language sdl 2010 and message sequence chart msc notations as well as related system design languages including uml asn 1 ttcn sysml and the user requirements notation urn this year s edition of sam will be under the theme languages methods and tools for systems engineering including languages and methods standardized by the itu t and domain specific languages also included are software engineering technologies such as for requirements engineering software verification and validation and automated code generation

Multimedia Big Data Computing for IoT Applications

2018-10-03

this book reports on innovative research and developments in automation spanning a wide range of disciplines including communication engineering power engineering control engineering instrumentation signal processing and cybersecurity it focuses on methods and findings aimed at improving the control and monitoring of industrial and manufacturing processes as well as safety based on the 6th international russian automation conference rusautocon2023 held as a hybrid conference on september 10 16 2023 in from sochi russia this book provides academics and professionals with a timely overview of and extensive information on the state of the art in the field of automation and control systems it is also expected to foster new ideas and collaborations between groups in different countries

The 2005 HST Calibration Workshop

2024-01-03

this book presents comprehensive coverage of the latest advances in research into enabling machines to listen to and compose new music it includes chapters introducing what we know about human musical intelligence and on how this knowledge can be simulated with ai the development of interactive musical robots and emerging new approaches to ai based musical creativity are also introduced including brain computer music interfaces bio processors and quantum computing artificial intelligence ai technology permeates the music industry from management systems for recording studios to recommendation systems for online commercialization of music through the internet yet whereas ai for online music distribution is well advanced this book focuses on a largely unexplored application ai for creating the actual musical content

System Analysis and Modeling. Languages, Methods, and Tools for Systems Engineering

2021-07-02

unleash the speed master webassembly and take your apps to the next level through practical examples you ll learn how webassembly can transform c rust and other languages into lightning fast web apps step by step you ll master techniques to integrate webassembly modules into javascript projects for seamless communication but we go deeper you ll discover strategies to optimize code leverage multi threading and apply cutting edge methods like lazy loading we also tackle memory management and dive into profiling benchmarking and browser tools to push performance to the limits this isn t just essentials of webassembly it s a roadmap to learn intricacies best practices and solutions to common pitfalls the goal is to equip you with the expertise to develop insanely fast applications the future is native level performance on the web join the revolution and skill up with this guide to mastering webassembly your web apps will never be the same key learnings grasp wasms core concepts bridging web and native apps boosting performance seamlessly dive into tools like emscripten and binaryen facilitating efficient cross language compilations to wasm learn techniques to convert c python and java apps unlocking web application potential seamlessly integrate javascript and webassembly ensuring smooth inter module communications harness strategies for fine tuning code guaranteeing peak application performance explore multi threading leveraging simultaneous operations accelerating

execution times implement lazy loading and code splitting optimizing web app responsiveness and load times dive deep into efficient memory usage ensuring resourceful application execution proficiently use browser developer tools dissecting and enhancing application performance enhance user experience with effective caching ensuring rapid web application accessibility prerequisites this book is for every programmer aspiring to put their all applications onto web browser with the same speed efficiency and product performance knowing fundamentals of any programming language and basics of web app development is sufficient to tear out the book wholly

Advances in Automation V

2023-10-15

the two volume set Incs 10777 and 10778 constitutes revised selected papers from the 12th international conference on parallel processing and applied mathematics ppam 2017 held in lublin poland in september 2017 the 49 regular papers presented in the proceedings were selected from 98 submissions for the workshops and special sessions that were held as integral parts of the ppam 2017 conference a total of 51 papers was accepted from 75 submissions the papers were organized in topical sections named as follows part i numerical algorithms and parallel scientific computing particle methods in simulations task based paradigm of parallel computing gpu computing parallel non numerical algorithms performance evaluation of parallel algorithms and applications environments and frameworks for parallel distributed cloud computing applications of parallel computing soft computing with applications and special session on parallel matrix factorizations part ii workshop on models algorithms and methodologies for hybrid parallelism in new hpc systems workshop power and energy aspects of computations peac 2017 workshop on scheduling for parallel computing spc 2017 workshop on language based parallel programming models wlpp 2017 workshop on pgas programming minisymposium on hpc applications in physical sciences minisymposium on high performance computing interval methods workshop on complex collective systems

Handbook of Artificial Intelligence for Music

2018-03-22

interest in applying analytics machine learning and artificial intelligence to sales and marketing has grown dramatically with no signs of slowing down this book provides essential guidance to apply advanced analytics and data mining techniques to real world business applications the foundation of this text is the author s 20 plus years of developing and delivering big data and artificial intelligence solutions across multiple industries financial services pharmaceuticals consumer packaged goods media and retail he provides guidelines and summarized cases for those studying or working in the fields of data science data engineering and business analytics the book also offers a distinctive style a series of essays each of which summarizes a critical lesson or provides a step by step business process with specific examples of successes and failures sales and marketing executives project managers business and engineering professionals and graduate students will find this clear and comprehensive book the ideal companion when navigating the complex world of big data analytics

WebAssembly Essentials

2022-12-20

artificial intelligence methods for optimization of the software testing process with practical examples and exercises presents different ai based solutions for overcoming the uncertainty found in many initial testing problems the concept of intelligent decision making is presented as a multi criteria multi objective undertaking the book provides guidelines on how to manage diverse types of uncertainty with intelligent decision making that can help subject matter experts in many industries improve various processes in a more efficient way as the number of required test cases for testing a product can be large in industry more than 10 000 test cases are usually created executing all these test cases without any particular order can impact the results of the test execution hence this book fills the need for a comprehensive resource on the topics on the how s what s and whys to learn more about elsevier s series uncertainty computational techniques and decision intelligence please visit this link [elsevier.com books and journals book series uncertainty computational techniques and decision intelligence](https://www.elsevier.com/books-and-journals/book-series/uncertainty-computational-techniques-and-decision-intelligence) presents one of the first empirical studies in the field contrasting theoretical assumptions on innovations in a real industrial environment with a large set of use cases from developed and developing testing processes at various large industries explores specific comparative methodologies focusing on developed and developing ai based solutions serves as a guideline for conducting industrial research in the artificial intelligence and software testing domain explains all proposed solutions through real industrial case studies

Parallel Processing and Applied Mathematics

2022-07-21

the two volume set Incs 9952 and Incs 9953 constitutes the refereed proceedings of the 7th international symposium on leveraging applications of formal methods verification and validation isola 2016 held in imperial corfu greece in october 2016 the papers presented in this volume were carefully reviewed and selected for inclusion in the proceedings featuring a track introduction to each section the papers are organized in topical sections named statistical model checking evaluation and reproducibility of program analysis and verification modsyn pp modular synthesis of programs and processes semantic heterogeneity in the formal development of complex systems static and runtime verification competitors or friends rigorous engineering of collective adaptive systems correctness by construction and post hoc verification friends or foes privacy and security issues in information systems towards a unified view of modeling and programming formal methods and safety certification challenges in the railways domain rve runtime verification and enforcement the industrial application perspective variability modeling for scalable software evolution detecting and understanding software doping learning systems machine learning in software products and learning based analysis of software systems testing the internet of things doctoral symposium industrial track rers challenge and stress

Artificial Intelligence and Visualization: Advancing Visual Knowledge Discovery

2016-10-05

python is rapidly becoming the de facto standard language for systems integration python has a large user and developer base external to the neuroscience community and a vast module library that facilitates rapid and maintainable development of complex and intricate systems in this research topic we highlight recent efforts to develop python modules for the domain of neuroscience software and neuroinformatics simulators and simulator interfaces data collection and analysis sharing re use storage and databasing of models and data stimulus generation parameter search and optimization visualization vlsi hardware interfacing moreover we seek to provide a representative overview of existing mature python modules for neuroscience and neuroinformatics to demonstrate a critical mass and show that python is an appropriate choice of interpreter interface for future neuroscience software development

Data Analytics for Business

2015-07-23

net mastery the net interview questions and answers book is your indispensable guide to mastering the intricacies of the net framework and excelling in job interviews within the dynamic world of software development whether you are a job seeker aiming to land a position as a net developer or an experienced professional looking to refresh your knowledge this book offers a curated selection of questions and detailed answers that cover a broad spectrum of net related topics net framework book is your go to resource for not just succeeding in interviews but for becoming a well rounded and skilled net developer whether you re pursuing a new job opportunity or aiming to enhance your coding expertise this microsoft net framework book provides the tools and knowledge to excel in the ever evolving world of net development

Artificial Intelligence Methods for Optimization of the Software Testing Process

2024-03-10

python

Leveraging Applications of Formal Methods, Verification and Validation: Foundational Techniques

2004-03

postgis in action third edition teaches you to solve real world geodata problems it first gives you a background in vector raster and topology based gis and then quickly moves into analyzing viewing and mapping data you ll learn how to optimize queries for maximum speed simplify geometries for greater efficiency and create custom functions for your own applications you ll also learn how to apply your existing gis knowledge to postgis and integrate with other gis tools fully updated to the latest versions of postgis and postgresql this third edition covers new postgis features including foreign data wrappers database as a service parallelization of queries and new json and vector tiles functions that help in creating web mapping applications key features an introduction to spatial databases geometry geography raster and topology spatial types functions and queries applying postgis to real world problems extending postgis to web and desktop applications updated for postgis 3 and postgresql 12 for readers familiar with relational databases and basic sql about the technology processing location and topology data requires specialized know how postgis is a free spatial database extender for postgresql that delivers the features and firepower you need to take on nearly any geodata task with it you can easily create location aware queries in just a few lines of sql code and build the back end for a mapping raster analysis or routing application with minimal effort regina obe and leo hsu are database consultants and authors regina is a member of the postgis core development team and the project steering committee

Python in Neuroscience

2021-09-21

this book provides a detailed overview of the latest developments and applications in the field of artificial intelligence and data science ai applications have achieved great accuracy and performance with the help of developments in data processing and storage it has also gained strength through the amount and quality of data which is the main nucleus of data science this book aims to provide the latest research findings in the field of artificial intelligence with data science

.NET Mastery: The .NET Interview Questions and Answers

2020-09-23

teach yourself visual c 2010 one step at a time ideal for developers with fundamental programming skills this practical tutorial features learn by doing exercises that demonstrate how when and why to use the features of the c rapid application development environment you ll learn how to use microsoft visual studio 2010 and microsoft net framework 4 0 develop a solid fundamental understanding of c language features and then get to work creating actual components and working applications for the windows operating system you ll also delve into data management technologies and based applications

Python

2010-04-15

this book covers edge point applications in science and engineering the chapters discuss the functional properties of advanced engineering materials and biomolecules improving the comprehension of their chemical physical properties and potential for new technological and medicinal applications the book presents a small number of experimental techniques and computational simulation models from basic concepts of classical quantum mechanics physics chemistry biology statistical methods that can predict important applications and properties of these materials biomolecules the content shows how improving design of new systems helps in addressing future world problems health energy food environment transportation housing clothing etc i e almost every aspects of our daily lives

Coding Examples from Simple to Complex

2022-09-05

PostGIS in Action, Third Edition

Enabling AI Applications in Data Science

Microsoft Visual C# 2010 Step by Step

Asynchronous Many-Task Systems and Applications

Research Topics in Bioactivity, Environment and Energy

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