

Anaconda Python Installation Guide For 64 Bit Windows

Get your copy now. You will also learn about its importance in a data scientist's ecosystem. In this book You will learn: Data Science/Analysis and its applications IPython and Jupyter - an introduction to the basic tools and how to navigate and use them. This can serve as an introduction to the most current tools and functions of those tools used by data scientists. You might have some experience in coding. Pandas - a powerful data management Python library that lets you do interesting things with data. You will learn all the basics you need to get started. We have made this book in a way that will be helpful to all these groups and more besides in varying ways. You may have worked with data before and want to use Python. It's possible that you have little experience with or knowledge of data analysis and are interested in it. NumPy - a powerful numerical library for Python. This book is designed to offer working knowledge of Python and data science and some of the tools required to apply that knowledge. Python for Data Analysis is a step-by-step guide for beginners and dabblers-alike. Ready to learn Data Science through Python language. You will learn more about its advantages b33a28bf5d

Unlike other books for this audience, The Hitchhiker's Guide to Python takes the journeyman Pythonista to true expertise. s Guide is light on reusable code and heavier on design philosophy, directing the reader to excellent sources that already exist. This guide, collaboratively written by over a hundred members of the Python community, describes best practices currently used by package and application developers. and possibly dilution. With popularity comes diversity. Now 25 years old, Python has become the primary or secondary language (after SQL) for many business users. More than any other language, Python was created with the philosophy of simplicity and parsimony b33a28bf5d

Your Python code may run correctly, but you need it to run faster. By exploring the fundamental theory behind design choices, High Performance Python helps you gain a deeper understanding of Python's implementation. Or build a system that scales up and down without losing reliability. How do you take advantage of multicore architectures or clusters. Get a better grasp of NumPy, Cython, and profilers Learn how Python abstracts the underlying computer architecture Use profiling to find bottlenecks in CPU time and memory usage Write efficient programs by choosing appropriate data structures Speed up matrix and vector computations Use tools to compile Python down to machine code Manage multiple I/O and computational operations concurrently Convert multiprocessing code to run on local or remote clusters Deploy code faster using tools like Docker. Updated for Python 3, this expanded edition shows you how to locate performance bottlenecks and significantly speed up your code in high-data-volume programs. Experienced Python programmers will learn concrete solutions to many issues,

along with war stories from companies that use high-performance Python for social media analytics, productionized machine learning, and more b33a28bf5d

La syntaxe utilisée pour l'écriture des expressions régulières, conçue par Ken Thompson, est dérivée de la notation utilisée par le mathématicien Stephen Cole Kleene, qui est à l'origine du concept. Les caractères ayant une signification particulière sont appelés métacaractères. Le présent ouvrage s'articule autour de 19 fiches pour une immersion dans le développement des expressions régulières avec Python. Les expressions régulières sont constituées de caractères sans signification, utilisés tels quels, et de caractères ayant une signification particulière pour le programme qui va les interpréter, et donnant lieu à un traitement spécifique. Elle est parfois aussi appelée modèle. Une expression régulière, également appelée expression rationnelle, est une chaîne de caractères servant à décrire de façon générique un ensemble de chaînes grâce à l'utilisation de caractères ayant une signification particulière b33a28bf5d

There is also a chapter dedicated to semantic analysis where you'll see how to build your own named entity recognition (NER) system from scratch. You'll see how to use the latest state-of-the-art frameworks in NLP, coupled with machine learning and deep learning models for supervised sentiment analysis powered by Python to solve actual case studies. Improved techniques and new methods around parsing and processing text are discussed as well. While the overall structure of the book remains the same, the entire code base, modules, and chapters has been updated to the latest Python 3. Additionally, the book covers text similarity techniques with a real-world example of movie recommenders, along with sentiment analysis using supervised and unsupervised techniques. x release. Text summarization and topic models have been overhauled so the book showcases how to build, tune, and interpret topic models in the context of an interest dataset on NIPS conference papers. Start by reviewing Python for NLP fundamentals on strings and text data and move on to engineering representation methods for text data, including both traditional statistical models and newer deep learning-based embedding models. This second edition has gone through a major revamp and introduces several significant changes and new topics based on the recent trends in NLP. What You'll Learn • Understand NLP and text syntax, semantics and structure • Discover text cleaning and feature engineering • Review text classification and text clustering • Assess text summarization and topic models • Study deep learning for NLP Who This Book Is For IT professionals, data analysts, developers, linguistic experts, data scientists and engineers and basically anyone with a keen interest in linguistics, analytics and generating insights from textual data. Leverage Natural Language Processing (NLP) in Python and learn how to set up your own robust environment for performing text analytics b33a28bf5d

What you will learn Understand the concept of supervised learning and its applications Implement common supervised learning algorithms using machine learning Python libraries Validate models using the k-fold technique Build your models with decision trees to get results effortlessly Use ensemble modeling techniques to improve the performance of your model Apply a variety of metrics to compare machine learning models Who this book is for Applied Supervised Learning with Python is for you if you want to gain a solid understanding of machine learning using Python. This book also covers ensemble modeling and random forest classifiers along with other methods for combining results from multiple models, and concludes by delving into cross-validation to test your algorithm and check

how well the model works on unseen data. With the help of fun examples, you'll gain experience working on the Python machine learning toolkit—from performing basic data cleaning and processing to working with a range of regression and classification algorithms. It'll help if you to have some experience in any functional or object-oriented language and a basic understanding of Python libraries and expressions, such as arrays and dictionaries. Once you've grasped the basics, you'll learn how to build and train your own models using advanced techniques such as decision trees, ensemble modeling, validation, and error metrics. You'll explore Jupyter Notebooks, the technology used commonly in academic and commercial circles with in-line code running support. Applied Supervised Learning with Python provides a rich understanding of how you can apply machine learning techniques in your data science projects using Python. Explore the exciting world of machine learning with the fastest growing technology in the world

Key Features

- Understand various machine learning concepts with real-world examples
- Implement a supervised machine learning pipeline from data ingestion to validation
- Gain insights into how you can use machine learning in everyday life

Book Description

Machine learning—the ability of a machine to give right answers based on input data—has revolutionized the way we do business. You'll also learn data visualization techniques using powerful Python libraries such as Matplotlib and Seaborn. By the end of this book, you'll be equipped to not only work with machine learning algorithms, but also be able to create some of your own

Examines the practical side of deep learning and neural networks

Provides a problem-based approach to building artificial neural networks using real data

Describes PythonTM functions and features for neuroscientists

Uses a careful tutorial approach to describe implementation of neural networks in PythonTM

Features math and code examples (via companion website) with helpful instructions for easy implementation. Details and explanations are provided on how a generic gradient descent algorithm works based on mathematical and PythonTM examples, teaching you how to use the gradient descent algorithm to manually perform all calculations in both the forward and backward passes of training a neural network. Providing math and PythonTM code examples to clarify neural network calculations, by book's end readers will fully understand how neural networks work starting from the simplest model $Y=X$ and building from scratch.

Introduction to Deep Learning and Neural Networks with PythonTM: A Practical Guide is an intensive step-by-step guide for neuroscientists to fully understand, practice, and build neural networks

Teil 3 macht Sie mit Bibliotheken vertraut, die von der Python-Community bevorzugt genutzt werden. Dann wird dieses Buch Ihr treuer Begleiter. Sie werden Ihre Python-Kenntnisse entscheidend verbessern – ob Sie einfach nur neugierig sind, als Normalsterblicher zu Open-Source-Projekten beitragen oder ein Unternehmen rund um Python aufbauen möchten. In Teil 1 geht es um das Einrichten der Python-Umgebung (Interpreter, Python-Installation, Texteditor, IDE). - Erkunden Sie Pythons Bibliotheken für die Benutzer-Interaktion – von Konsolenanwendungen über GUIs bis hin zu Webapplikationen. Prägnant und meinungsstark nimmt Sie der Hitchhiker's Guide mit auf eine Pro-Tour durch das Python-Universum. Sind Sie bereit, ein echter Pythonista zu werden. - Entwickeln Sie besseren Python-Code, indem Sie Stil, Konventionen, Idiome und Fallstricke kennenlernen. - Sehen Sie sich exzellente Open-Source-Codebeispiele

ausgewählter Python-Bibliotheken an. - Arbeiten Sie mit Netzwerk-Bibliotheken für asynchrone Aktionen, Serialisierung und Kryptografie. Es bietet geballtes Insider-Know-how zu Best Practices und den bevorzugten Werkzeugen der Python-Community. - Studieren Sie Best Practices für die Paketierung und Distribution von Python-Code. - Lernen Sie Bibliotheken zur Datenpersistenz und -manipulation kennen, darunter auch Werkzeuge zur Bild- und Audioverarbeitung. Raymond Hettinger, Python Core Developer. Dieses Buch wurde im Rahmen eines Gemeinschaftsprojekts von über einhundert Mitgliedern der Python-Community geschrieben. Dann tauchen Sie in Beispiel-Code ein, der den Python-Stil mustergültig umsetzt. - Lernen Sie Tools für die Systemadministration sowie das Interfacing mit C- und C++-Bibliotheken kennen und verbessern Sie die Geschwindigkeit von Python b33a28bf5d

???????????????????? ???? ????????????????????? ???? ????????????????????? ?TensorFlow?
 ????TensorFlow?? ????
 ??? ????
 ??? ????
 ??? ?AI????????????
 ?????AI?? ????
 ?????3??
 ?????????????????????????????8????TensorFlow??AI????
 b33a28bf5d

An introduction to the Python programming language and its most popular tools for scientists, engineers, students, and anyone who wants to use Python for research, simulations, and collaboration. Once you've built an optimal programming environment with Anaconda, you'll learn how to organize your projects and use interpreters, text editors, notebooks, and development environments to work with your code. You'll also learn how to: Create isolated projects in virtual environments, build interactive notebooks, test code in the Qt console, and use Spyder's interactive development features Use Python's built-in data types, write custom functions and classes, and document your code Represent data with the essential NumPy, Matplotlib, and pandas libraries Use Python plotting libraries like Plotly, HoloViews, and Datashader to handle large datasets and create 3D visualizations Regardless of your scientific field, Python Tools for Scientists will show you how to choose the best tools to meet your research and computational analysis needs. Following the book's fast-paced Python primer, you'll tour a range of scientific tools and libraries like scikit-learn and seaborn that you can use to manipulate and visualize your data, or analyze it with machine learning algorithms. Python Tools for Scientists will introduce you to Python tools you can use in your scientific research, including Anaconda, Spyder, Jupyter Notebooks, JupyterLab, and numerous Python libraries. You'll learn to use Python for tasks such as creating visualizations, representing geospatial information, simulating

natural events, and manipulating numerical data b33a28bf5d

Sobell assumes no prior Linux knowledge. He starts at the beginning and walks you through every topic and task that matters, using easy-to-understand examples. Mark Sobell has taught hundreds of thousands of Linux and UNIX professionals. ” – Eric Hartwell, Chair, School of Information Technology, ITT Technical Institute Master All the Techniques You Need to Succeed with Fedora™ or Red Hat® Enterprise Linux® The #1 Fedora and RHEL resource—a tutorial AND on-the-job reference Master Linux administration and security using the command line, GUI tools, Python, systemd, and firewalld Set up key Internet servers, step by step, including Samba, Apache, MariaDB/MySQL, sendmail, OpenSSH, DNS, LDAP, and more Brand-new chapter on Virtual Machines and Cloud Computing. Compared with other Linux books, A Practical Guide to Fedora™ and Red Hat® Enterprise Linux®, Seventh Edition, delivers Complete, up-to-the-minute coverage of Fedora 19 and RHEL 7 (beta) New programming chapters that cover Python and MariaDB/MySQL, plus a new tutorial on using GnuPG to encrypt communications Information on state-of-the-art security: SELinux, ACLs, firewalld (firewall-config and firewall-cmd), iptables (system-config-firewall), GnuPG, and OpenSSH New chapter on VMs (virtual machines) and cloud computing, including VMware, QEMU/KVM, virt-manager, virsh, GNOME Boxes, and AWS (Amazon Web Services) Expanded command-line coverage, including a new chapter that details 32 important utilities Practical information on Internet server configuration, including Apache, sendmail, NFSv4, DNS/BIND, the new LDAP Dynamic Server, and IPv6 Complete “meat-and-potatoes” information on system/network administration, now including GRUB 2, the XFS filesystem, the new Anaconda Installer, the systemd init daemon, firewalld, and NetworkManager Detailed instructions on keeping Linux systems up to date, finding software packages, and working with repositories using yum and rpm Full coverage of the LPI Linux Essentials exam objectives plus extensive coverage of the CompTIA Linux+ exam objectives; Appendix E provides a map from objectives to pages in the book New coverage of find, sort, xz (compression), free, xargs, and the nano editor And much more, including a 500+ term glossary and comprehensive indexes. It teaches Linux using a ground-up approach that gives students the chance to progress with their skills and grow into the Linux world. He knows every Linux nook and cranny—and he never forgets what it’s like to be new to Linux. I have often pointed to this book when asked to recommend a solid Linux reference. Step by step, you’ll learn how to install and configure Linux from the accompanying DVD, navigate its graphical user interface, provide file/printer sharing, configure network servers, secure Linux desktops and networks, work with the command line, administer Linux efficiently, and automate administration using Python and bash. “I have found this book to be a very useful classroom text, as well as a great Linux resource. In this comprehensive guide, one of the world’s leading Linux experts brings together all the knowledge and real-world insights you need to master and succeed with today’s versions of Fedora or Red Hat Enterprise Linux. Best-selling author Mark Sobell explains Linux clearly and effectively, focusing on skills you’ll actually need as a user, programmer, or administrator. Whatever you want to do with Linux—now or in the future—you’ll find it in this book b33a28bf5d

datapsyc. Most of the datasets used in the book are small enough to be easily entered into Python manually, though they can also be downloaded for free from www.datapsyc.com. Only minimal knowledge of statistics is assumed, making the book perfect for those seeking an easily accessible toolkit for statistical analysis with Python. Throughout, the author emphasizes a set of computational tools used in the discovery of empirical patterns, as well as several popular statistical analyses and data management tasks that can be immediately applied.

Perfect for undergraduate and graduate students in the social, behavioral, and natural sciences, *Applied Univariate, Bivariate, and Multivariate Statistics Using Python* will also earn a place in the libraries of researchers and data analysts seeking a quick go-to resource for univariate, bivariate, and multivariate analysis in Python. *Applied Univariate, Bivariate, and Multivariate Statistics Using Python* A practical, “how-to” reference for anyone performing essential statistical analyses and data management tasks in Python *Applied Univariate, Bivariate, and Multivariate Statistics Using Python* delivers a comprehensive introduction to a wide range of statistical methods performed using Python in a single, one-stop reference. *Applied Univariate, Bivariate, and Multivariate Statistics Using Python* represents the fastest way to learn how to analyze data with Python. The book contains user-friendly guidance and instructions on using Python to run a variety of statistical procedures without getting bogged down in unnecessary theory. Readers will also benefit from the inclusion of:

- A review of essential statistical principles, including types of data, measurement, significance tests, significance levels, and type I and type II errors
- An introduction to Python, exploring how to communicate with Python
- A treatment of exploratory data analysis, basic statistics and visual displays, including frequencies and descriptives, q-q plots, box-and-whisker plots, and data management
- An introduction to topics such as ANOVA, MANOVA and discriminant analysis, regression, principal components analysis, factor analysis, cluster analysis, among others, exploring the nature of what these techniques can vs

Pro SQL Server 2019 Administration takes DBAs on a journey that begins with planning their SQL Server deployment and runs through installing and configuring the instance, administering and optimizing database objects, and ensuring that data is secure and highly available. Other new content includes coverage of Query Store, resumable index operations, installation on Linux, and containerized SQL. Updated for SQL Server 2019, this edition includes coverage of new features such as Memory-optimized TempDB Metadata, and Always Encrypted with Secure Enclaves. This book teaches you to make the most of new SQL Server 2019 functionality, including Data Discovery and Classification. Finally, readers will learn how to perform advanced maintenance and tuning techniques. Use this comprehensive guide for the SQL Server DBA, covering all that practicing database administrators need to know to get their daily work done. The book promotes best-practice installation, shows how to configure for scalability and high workloads, and demonstrates the gamut of database-level maintenance tasks such as index maintenance, database consistency checks, and table optimizations.

What You Will Learn

- Install and configure SQL Server on Windows through the GUI and with PowerShell
- Install and configure SQL Server on Linux and in Containers
- Optimize tables through in-memory OLTP, table partitioning, and the creation of indexes
- Secure and encrypt data to protect against embarrassing data breaches
- Ensure 24x7x365 access through high-availability and disaster recovery features
- Back up your data to ensure against loss, and recover data when needed
- Perform routine maintenance tasks such as database consistency checks
- Troubleshoot

and solve performance problems in SQL queries and in the database engine Who This Book Is For SQL Server DBAs who manage on-premise installations of SQL Server. This book is also useful for DBAs who wish to learn advanced features such as Query Store, Extended Events, Distributed Replay, and Policy-Based Management, or those who need to install SQL Server in a variety of environments b33a28bf5d

Computational Modeling, by Jay Wang introduces computational modeling and visualization of physical systems that are commonly found in physics and related areas. Through carefully selected problems, methods, and projects, the reader is guided to learning and discovery by actively doing rather than just knowing physics. The authors begin with a framework that integrates model building, algorithm development, and data visualization for problem solving via scientific computing b33a28bf5d

The breadth of information out there, often written at a very high level and aimed at advanced practitioners, can make getting started even more challenging. Building on this solid foundation, you'll learn how to tune models and work with different types of neural network, getting hands-on with real-world deep learning applications such as text encoding, temperature forecasting, image augmentation, and audio processing. What you will learnGet to grips with TensorFlow's mathematical operationsPre-process a wide variety of tabular, sequential, and image dataUnderstand the purpose and usage of different deep learning layersPerform hyperparameter-tuning to prevent overfitting of training dataUse pre-trained models to speed up the development of learning modelsGenerate new data based on existing patterns using generative modelsWho this book is for This TensorFlow book is for anyone who wants to develop their understanding of deep learning and get started building neural networks with TensorFlow. By the end of this deep learning book, you'll have the skills, knowledge, and confidence to tackle your own ambitious deep learning projects with TensorFlow. Basic knowledge of Python programming and its libraries, as well as a general understanding of the fundamentals of data science and machine learning, will help you grasp the topics covered in this book more easily. Get started with TensorFlow fundamentals to build and train deep learning models with real-world data, practical exercises, and challenging activities Key FeaturesUnderstand the fundamentals of tensors, neural networks, and deep learningDiscover how to implement and fine-tune deep learning models for real-world datasetsBuild your experience and confidence with hands-on exercises and activitiesBook Description Getting to grips with tensors, deep learning, and neural networks can be intimidating and confusing for anyone, no matter their experience level. Combining clear explanations, realistic examples, and plenty of hands-on practice, it'll quickly get you up and running. If this sounds familiar to you, The TensorFlow Workshop is here to help. As you progress, you'll experiment with different TensorFlow development tools, including TensorBoard, TensorFlow Hub, and Google Colab, before moving on to solve regression and classification problems with sequential models. You'll start off with the basics – learning how to load data into TensorFlow, perform tensor operations, and utilize common optimizers and activation functions b33a28bf5d

In addition, a new appendix introduces Jupyter notebooks. You will learn how to install an open-source Python programming environment and use it to accomplish many common scientific computing tasks: importing, exporting, and visualizing data; numerical analysis; and simulation. Web-based resources also accompany this guide and include code samples, data sets, and more. No prior programming experience is assumed. This fully updated edition of *A Student's Guide to Python for Physical Modeling* aims to help you, the student, teach yourself enough of the Python programming language to get started with physical modeling. This tutorial focuses on fundamentals and introduces a wide range of useful techniques, including: Basic Python programming and scripting Numerical arrays Two- and three-dimensional graphics Monte Carlo simulations Numerical methods, including solving ordinary differential equations Image processing Animation Numerous code samples and exercises—with solutions—illustrate new ideas as they are introduced. A fully updated tutorial on the basics of the Python programming language for science students Python is a computer programming language that is rapidly gaining popularity throughout the sciences. This current edition brings the discussion of the Python language, Spyder development environment, and Anaconda distribution up to date b33a28bf5d

Integrated Process Modeling, Advanced Control and Data Analytics for Optimizing Polyolefin Manufacturing discusses, as well as demonstrates, the optimization of polyolefin production by covering topics from polymer process modeling and advanced process control to data analytics and machine learning, and sustainable design and industrial practice. *Integrated Process Modeling, Advanced Control and Data Analytics for Optimizing Polyolefin Manufacturing* Detailed resource on the “Why,” “What,” and “How” of integrated process modeling, advanced control and data analytics explained via hands-on examples and workshops for optimizing polyolefin manufacturing. Written by two highly qualified authors, *Integrated Process Modeling, Advanced Control and Data Analytics for Optimizing Polyolefin Manufacturing* includes information on: Segment-based modeling of polymer processes; selection of thermodynamic methods; estimation of physical properties for polymer process modeling Reactor modeling, convergence tips and data-fit tool; free radical polymerization (LDPE, EVA and PS), Ziegler-Natta polymerization (HDPE, PP, LLPDE, and EPDM) and ionic polymerization (SBS rubber) Improved polymer process operability and control through steady-state and dynamic simulation models Model-predictive control of polyolefin processes and applications of multivariate statistics and machine learning to optimizing polyolefin manufacturing *Integrated Process Modeling, Advanced Control and Data Analytics for Optimizing Polyolefin Manufacturing* enables readers to make full use of advanced computer models and latest data analytics and machine learning tools for optimizing polyolefin manufacturing, making it an essential resource for undergraduate and graduate students, researchers, and new and experienced engineers involved in the polyolefin industry. The text also covers practical problems, handling of real data streams, developing the right level of detail, and tuning models to the available data, among other topics, to allow for easy translation of concepts into practice b33a28bf5d

This book will help you get started on your journey to becoming a master of marketing analytics with Python. Turbocharge your marketing plans by making the leap from simple descriptive statistics in Excel to sophisticated predictive analytics with the Python programming language Key FeaturesUse data analytics and

machine learning in a sales and marketing contextGain insights from data to make better business decisionsBuild your experience and confidence with realistic hands-on practiceBook Description Unleash the power of data to reach your marketing goals with this practical guide to data science for business. Basic prior knowledge of Python and experience working with data will help you access this book more easily. Whether you're a developer who wants to move into marketing, or a marketing analyst who wants to learn more sophisticated tools and techniques, this book will get you on the right path. As you work through the book, you'll use Python tools to analyze sales, visualize advertising data, predict revenue, address customer churn, and implement customer segmentation to understand behavior. You'll learn to think like a data scientist, build your problem-solving skills, and discover how to look at data in new ways to deliver business insights and make intelligent data-driven decisions. By the end of this book, you'll have the knowledge, skills, and confidence to implement data science and machine learning techniques to better understand your marketing data and improve your decision-making. What you will learnLoad, clean, and explore sales and marketing data using pandasForm and test hypotheses using real data sets and analytics toolsVisualize patterns in customer behavior using MatplotlibUse advanced machine learning models like random forest and SVMUse various unsupervised learning algorithms for customer segmentationUse supervised learning techniques for sales predictionEvaluate and compare different models to get the best outcomesOptimize models with hyperparameter tuning and SMOTEThis book is for This marketing book is for anyone who wants to learn how to use Python for cutting-edge marketing analytics. You'll work with relevant datasets and build your practical skills by tackling engaging exercises and activities that simulate real-world market analysis projects. As well as learning how to clean, explore, and visualize data, you'll implement machine learning algorithms and build models to make predictions b33a28bf5d

The tools to work with these algorithms are available to you right now - with Python, and tools like Gensim and spaCy. You'll start by learning about data cleaning, and then how to perform computational linguistics from first concepts. You'll learn to tag, parse, and model text using the best tools. You'll discover the rich ecosystem of Python tools you have available to conduct NLP - and enter the interesting world of modern text analysis. Work with Python and powerful open source tools such as Gensim and spaCy to perform modern text analysis, natural language processing, and computational linguistics algorithms. You'll gain hands-on knowledge of the best frameworks to use, and you'll know when to choose a tool like Gensim for topic models, and when to work with Keras for deep learning. This book balances theory and practical hands-on examples, so you can learn about and conduct your own natural language processing projects and computational linguistics. These algorithms are based on statistical machine learning and artificial intelligence techniques. This book shows you how to use natural language processing, and computational linguistics algorithms, to make inferences and gain insights about data you have. You're then ready to explore the more sophisticated areas of statistical NLP and deep learning using Python, with realistic language and text samples. Key Features Discover the open source Python text analysis ecosystem, using spaCy, Gensim, scikit-learn, and Keras Hands-on text analysis with Python, featuring natural language processing and computational linguistics algorithms Learn deep learning techniques for text analysis Book Description Modern text analysis is now very accessible using Python and open source tools, so discover how you can now perform modern text analysis in this era of textual data. What you will learn Why text analysis is important in

our modern age Understand NLP terminology and get to know the Python tools and datasets Learn how to pre-process and clean textual data Convert textual data into vector space representations Using spaCy to process text Train your own NLP models for computational linguistics Use statistical learning and Topic Modeling algorithms for text, using Gensim and scikit-learn Employ deep learning techniques for text analysis using Keras Who this book is for This book is for you if you want to dive in, hands-first, into the interesting world of text analysis and NLP, and you're ready to work with the rich Python ecosystem of tools and datasets waiting for you b33a28bf5d

?Python????????pandas????????Python????pandas????????????pandas????????????pandas????Excel????????pandas????
????????Python??Boud?1987??
????????????pandas??Python???pandas? ?????pandas????????????????
????????????????Python?? b33a28bf5d

While not mandatory, a basic understanding of statistics, machine learning, and Python will enhance your learning experience. You'll begin by acquiring a solid understanding of key blockchain concepts and the fundamental data science tools essential for Web3 projects. The book includes interviews with industry leaders providing insights into their professional journeys to drive innovation in the Web 3 environment. Equipped with experience in handling crypto data, you'll be able to demonstrate your skills in job interviews, academic pursuits, or when engaging potential clients. Be part of the future of Web3, decoding blockchain data to build trust in the next-generation internet Key Features Build a deep understanding of the fundamentals of blockchain analytics Extract actionable business insights by modeling blockchain data Showcase your work and gain valuable experience to seize opportunities in the Web3 ecosystem Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionData is the new oil and Web3 is generating it at an unprecedented rate. The subsequent chapters will help you explore the main data sources that can help address industry challenges, decode smart contracts, and build DeFi- and NFT-specific datasets. Complete with practical examples, detailed explanations, and ideas for portfolio development, this comprehensive book serves as a step-by-step guide covering the industry best practices, tools, and resources needed to easily navigate the world of data in Web3. You'll then tackle the complexities of feature engineering specific to blockchain data and familiarize yourself with diverse machine learning use cases that leverage Web3 data. By the end of this book, you'll have the essential tools to undertake end-to-end data science projects utilizing blockchain data, empowering you to help shape the next-generation internet. What you will learn Understand the core components of blockchain transactions and blocks Identify reliable sources of on-chain and off-chain data to build robust datasets Understand key Web3 business questions and how data science can offer solutions Build your skills to create and query NFT- and DeFi-specific datasets Implement a machine learning toolbox with real-world use cases in the Web3 space Who this book is for This book is designed for data professionals—data analysts, data scientists, or data engineers— and business professionals, aiming to acquire the skills for extracting data from the Web3 ecosystem, as it

demonstrates how to effectively leverage data tools for in-depth analysis of blockchain transactional data. If you seek hands-on experience, you'll find value in the shared repository, enabling you to experiment with the provided solutions b33a28bf5d

???AI???AI?????????????????????????????????????AI?????
 ????????????((QR Code)??
 ????????????????????????????????? b33a28bf5d

[illegible]

This book presents useful data manipulation techniques in pandas to perform complex data analysis in various domains. Key Features Manipulate and analyze your data expertly using the power of pandas Work with missing data and time series data and become a true pandas expert Includes expert tips and techniques on making your data analysis tasks easier Book Description pandas is a popular Python library used by data scientists and analysts worldwide to manipulate and analyze their data. Perform advanced data manipulation tasks using pandas and become an expert data analyst. Some fundamental understanding of Python programming and familiarity with the basic data analysis concepts is all you need to get started with this book. An update to our highly successful previous edition with new features, examples, updated code, and more, this book is an in-depth guide to get the most out of pandas for data analysis. With the help of this book, you will apply pandas to different domains, such as Bayesian statistics, predictive analytics, and time series analysis using an example-based approach. And not just that; you will also learn how to prepare powerful, interactive business reports in pandas using the Jupyter notebook. What you will learn Speed up your data analysis by importing data into pandas Keep relevant data points by selecting subsets of your data Create a high-quality dataset by cleaning data and fixing missing values Compute actionable analytics with grouping and aggregation in pandas Master time series data analysis in pandas Make powerful reports in pandas using Jupyter notebooks Who this book is for This book is for data scientists, analysts and Python developers who wish to explore advanced data analysis and scientific computing techniques using pandas. By the end of this book, you will learn how to perform efficient data analysis using pandas on complex data, and become an

expert data analyst or data scientist in the process. Designed for both intermediate users as well as seasoned practitioners, you will learn advanced data manipulation techniques, such as multi-indexing, modifying data structures, and sampling your data, which allow for powerful analysis and help you gain accurate insights from it b33a28bf5d

Each project in the book also reiterates and reinforces the important aspects of Python scripting. It includes several hands-on projects that walk you through successful AI applications, explaining concepts like neural networks, computer vision, natural language processing (NLP), and generative models. Design My First Neural Network Model 4. Python Kickstart: Concepts, Libraries, and Coding 2. Up and Running with Sequence Models 10. Explore NLP for Advanced Text Analysis 9. Setting up AI Lab 3. ? Create Attention-based and Transformer models. Create a Text and Image Reader 8. ? Develop Sequence models for Natural Language Processing (NLP) tasks. You'll learn Python coding and how it can be used to build cutting-edge AI applications. ? Develop sequence, attention-based, and Transformer models using the TensorFlow 2 library for Natural Language Processing (NLP) tasks. By the end of the book, you will learn how to develop a portfolio of AI projects that will help you land your dream job in AI. Generate Artificial Faces Using GAN. WHO THIS BOOK IS FOR This book is for everyone who wants to learn how to build AI applications in Python, regardless of their experience level. ? Develop Convolutional Neural Networks (CNNs) for computer vision tasks. Besides teaching how to build AI models, the book also teaches how to understand and explore the opportunities that AI presents. WHAT YOU WILL LEARN ? Create neural network models using the TensorFlow 2 library. Train and Deploy Object Detection Models 7. Generating Captions for Images 13. ? Develop Convolutional Neural Networks (CNNs) using the TensorFlow 2 library for computer vision tasks. Develop CNN-based Image Classifier Apps 6. ? Learn how to create Generative Adversarial Networks (GANs). Using Sequence Models for Automated Text Classification 11. It also includes practical projects in different domains so you can see how AI is used in the real world. Learn to Build GAN Models 14. The author explains each essential line of Python code in detail, taking into account the importance and difficulty of understanding. Whether you're a student, a tech professional, a non-techie, or a technology enthusiast, this book will teach you the fundamentals of Python and AI, and show you how to apply them to real-world problems. Explore Designing CNN with TensorFlow 5. TABLE OF CONTENTS 1. Create Attention and Transformer Models 12. DESCRIPTION "Pythonic AI" is a book that teaches you how to build AI models using Python. Unlock the power of AI with Python: Your Journey from Novice to Neural Nets KEY FEATURES ? Learn to code in Python and use Google Colab's hardware accelerators (GPU and TPU) to train and deploy AI models efficiently b33a28bf5d

Later chapters in the book will cover statistics and calculus concepts and how to use them to solve problems and gain useful insights. Finally, you'll study differential equations with an emphasis on numerical methods and learn about algorithms that directly calculate values of functions. To better grasp the concepts explained in this book, you must have a thorough understanding of advanced mathematical concepts, such as Markov chains, Euler's formula, and Runge-Kutta methods as the book only explains how these techniques and concepts can be implemented in Python. What you will learnGet to grips with the fundamental

js????????????? ?????? ??????????????????????????????????. Python????????????????? ?????????????????? ??????????????????????
 ?????????????????????????????? ?????????????? ?????????????? ??????????????? ?????????????????????????????????? ?????????????????????? ?Python2?????????
 ?Python2????????Python1????????????????????????????? ?? ?Python2??
 ?????????????????ISBN9784798161914????????????? ??????? ?????????????????????? ??????????? ???
 ???
 ???
 ?????Python1?????Python2?? ?????????????????? ?Java1????????????????Vue b33a28bf5d

As the data science landscape shifts from using SAS to open source software such as Python, many users will feel the need to update their skills. You will learn via examples that map SAS programming constructs and coding patterns into their Python equivalents. What You'll Learn Quickly master Python for data analysis without using a trial-and-error approach Understand the similarities and differences between Base SAS and Python Better determine which language to use, depending on your needs Obtain quick results Who This Book Is For SAS users, SAS programmers, data scientists, data scientist leaders, and Python users who need to work with SAS. Business users familiar with Base SAS programming can now learn Python by example. The first chapters are more Python-centric, while the remaining chapters illustrate SAS and corresponding Python examples to solve common data analysis tasks such as reading multiple input sources, missing value detection, imputation, merging/combining data, and producing output. It is estimated that there are three million or more SAS users worldwide today. As a result, the current documentation and plethora of books and websites for learning Python are technical and not geared for most SAS users. This book is an indispensable guide for integrating SAS and Python workflows. It contains over 200 Python scripts and approximately 75 SAS programs that are analogs to the Python scripts. Python for SAS Users provides the most comprehensive set of examples currently available. Most users are not formally trained in computer science and have likely acquired their skills programming SAS as part of their job. Your primary focus will be on pandas and data management issues related to analysis of data b33a28bf5d

You'll gain a strong foundation in the language, including best practices for testing, debugging, code reuse, and other development tips. This book also shows you how to use Python for applications in business, science, and the arts, using various Python tools and open source packages. Easy to understand and fun to read, this updated edition of Introducing Python is ideal for beginning programmers as well as those new to the language. End-of-chapter exercises help you practice what you've learned. Author Bill Lubanovic takes you from the basics to more involved and varied topics, mixing tutorials with cookbook-style code recipes to explain concepts in Python 3 b33a28bf5d

The various IoT applications with different embedded platforms in this volume are best-suited for undergraduate/postgraduate students and researchers who want to get exposed to python programming for IoT applications. The last two chapters deal with the NVIDIA Jetson Nano board programming for machine learning applications with FoG/cloud computing. The later chapter highlights basic interface applications with Raspberry Pi. Exclusive advanced IoT applications on the Micropython Pyboard are also covered. The book comprehensively covers the most important applications of the internet of things (IoT) using Python programming on Raspberry pi, Micropython Py Board, and NVIDIA Jetson Board. The book focuses on industry-standard embedded platforms for IoT applications. This book will enable readers to design their own embedded IoT products. The authors have used an immersive 'hands-on' approach to help readers gain expertise in developing working code for real-world IoT applications. It also gives a glimpse of python programming and setup configuration of these embedded platforms b33a28bf5d

Youâll learn how to use the Python programming language to perform everything from collecting and analyzing data to building software and publishing your results. This practical book teaches essential software development skills to help you automate and accomplish nearly any aspect of research in a physics-based field. In four parts, this book includes: Getting Started: Jump into Python, the command line, data containers, functions, flow control and logic, and classes and objects Getting It Done: Learn about regular expressions, analysis and visualization, NumPy, storing data in files and HDF5, important data structures in physics, computing in parallel, and deploying software Getting It Right: Build pipelines and software, learn to use local and remote version control, and debug and test your code Getting It Out There: Document your code, process and publish your findings, and collaborate efficiently; dive into software licenses, ownership, and copyright procedures. It's not always easy or obvious, even for physicists. Written by two PhDs in nuclear engineering, this book includes practical examples drawn from a working knowledge of physics concepts. More physicists today are taking on the role of software developer as part of their research, but software development isn't always easy or obvious, even for physicists.

You will also learn about its importance in a data scientist's ecosystem. You will learn more about its advantages. You will learn all the basics you need to get started. THIS BOOK INCLUDES : Python for Beginners: A crash course to learn Python Programming in 1 Week Python for Data Analysis: A Beginners Guide to Master the Fundamentals of Data Science and Data Analysis by Using Pandas, Numpy and Ipython Python Machine Learning: A Step by Step Beginner's Guide to Learn Machine Learning Using Python Here's what you'll learn through this book: Python for Beginners In this book You will learn: Getting started with the basics Statements, Comments, Variables, Index Data Types: Strings and Numbers Data Types: List and Tuple Data Types: Set and Dictionary Operators Functions Loops Python Practice Projects and much more Python for Data Analysis In this book You will learn: Data Science/Analysis and its applications IPython and Jupyter - an introduction to the basic tools and how to navigate and use them. Pandas - a powerful data management Python library that lets you do interesting things with data. Python Machine Learning The Topics Covered Include: Machine learning fundamentals How to set up the development environment How to use Python libraries and modules like Scikit-learn, TensorFlow, Matplotlib, and NumPy How to explore data How to solve regression and classification problems Decision trees k-means clustering Feed-forward and recurrent neural networks Get your copy now. NumPy - a powerful numerical library for Python

From there you move on to more advanced training scenarios where you will learn further innovative ways to train your network with A3C, imitation, and curriculum learning models. By the end of the book, you will have learned how to build more complex environments by building a cooperative and competitive multi-agent ecosystem. Transform games into environments using machine learning and Deep learning with Tensorflow, Keras, and Unity Key Features Learn how to apply core machine learning concepts to your games with Unity Learn the Fundamentals of Reinforcement Learning and Q-Learning and apply them to your games Learn How to build multiple asynchronous agents and run them in a training scenario Book Description Unity Machine Learning agents allow researchers

and developers to create games and simulations using the Unity Editor, which serves as an environment where intelligent agents can be trained with machine learning methods through a simple-to-use Python API. What you will learn Develop Reinforcement and Deep Reinforcement Learning for games. Enhance the Q Learning model with improved training strategies such as Greedy-Epsilon exploration Implement a simple NN with Keras and use it as an external brain in Unity Understand how to add LSTM blocks to an existing DQN Build multiple asynchronous agents and run them in a training scenario Who this book is for This book is intended for developers with an interest in using Machine learning algorithms to develop better games and simulations with Unity. Understand complex and advanced concepts of reinforcement learning and neural networks Explore various training strategies for cooperative and competitive agent development Adapt the basic script components of Academy, Agent, and Brain to be used with Q Learning. The reader will be required to have a working knowledge of C# and a basic understanding of Python. Then you will learn how to build self-learning advanced neural networks with Python and Keras/TensorFlow. This book takes you from the basics of Reinforcement and Q Learning to building Deep Recurrent Q-Network agents that cooperate or compete in a multi-agent ecosystem. You will start with the basics of Reinforcement Learning and how to apply it to problems b33a28bf5d

This is illustrated step by step with animation to show how machines learn: from initial parameter values to adjusting each step, to the final converged parameters and predictions. The release of ChatGPT has kicked off an arms race in Machine Learning (ML), however ML has also been described as a black box and very hard to understand. Machine Learning, Animated eases you into basic ML concepts and summarizes the learning process in three words: initialize, adjust and repeat. Readers will learn how to build deep learning game strategies and combine this with reinforcement learning, witnessing AI achieve super-human performance in Atari games such as Breakout, Space Invaders, Seaquest and Beam Rider. Access the book's repository at: <https://github.com/markhliu/MLA>. This book teaches readers to create their own neural networks with dense and convolutional layers, and use them to make binary and multi-category classifications. Written in a clear and concise style, illustrated with animations and images, this book is particularly appealing to readers with no background in computer science, mathematics or statistics. com/markhliu/MLA b33a28bf5d

Companies that know what to do with their data and how to do it well will have a competitive advantage over companies that don't. Over 85 recipes to help you complete real-world data science projects in R and Python About This Book Tackle every step in the data science pipeline and use it to acquire, clean, analyze, and visualize your data Get beyond the theory and implement real-world projects in data science using R and Python Easy-to-follow recipes will help you understand and implement the numerical computing concepts Who This Book Is For If you are an aspiring data scientist who wants to learn data science and numerical programming concepts through hands-on, real-world project examples, this is the book for you. By sequentially working through the steps in each chapter, you will quickly familiarize yourself with the process and learn how to apply it to a variety of situations with examples using the two most popular programming languages for data analysis—R and Python. What You Will Learn Learn and understand the installation procedure and environment required for R

and Python on various platforms Prepare data for analysis by implement various data science concepts such as acquisition, cleaning and munging through R and Python Build a predictive model and an exploratory model Analyze the results of your model and create reports on the acquired data Build various tree-based methods and Build random forest In Detail As increasing amounts of data are generated each year, the need to analyze and create value out of it is more important than ever. Style and approach This step-by-step guide to data science is full of hands-on examples of real-world data science tasks. Whether you are brand new to data science or you are a seasoned expert, you will benefit from learning about the structure of real-world data science projects and the programming examples in R and Python. Each recipe focuses on a particular task involved in the data science pipeline, ranging from readying the dataset to analytics and visualization. Starting with the basics, this book covers how to set up your numerical programming environment, introduces you to the data science pipeline, and guides you through several data projects in a step-by-step format. Because of this, there will be an increasing demand for people that possess both the analytical and technical abilities to extract valuable insights from data and create valuable solutions that put those insights to use b33a28bf5d

Introduction to deep learning and PyTorch by building a convolutional neural network and recurrent neural network for real-world use cases such as image classification, transfer learning, and natural language processing. Key FeaturesClear and concise explanationsGives important insights into deep learning modelsPractical demonstration of key conceptsBook Description PyTorch is extremely powerful and yet easy to learn. It provides advanced features, such as supporting multiprocessor, distributed, and parallel computation. This book will introduce you to the PyTorch deep learning library and teach you how to train deep learning models without any hassle. By the end of this book, you will be familiar with PyTorch's capabilities and be able to utilize the library to train your neural networks with relative ease. We will discuss long short-term memory network (LSTMs) and build a language model to predict text. You will learn how to optimize models by tuning hyperparameters and how to use PyTorch in multiprocessor and distributed environments. We will set up the deep learning environment using PyTorch, and then train and deploy different types of deep learning models, such as CNN, RNN, and autoencoders. This book is an excellent entry point for those wanting to explore deep learning with PyTorch to harness its power. Having knowledge of Python programming will be an added advantage, while previous exposure to PyTorch is not needed. What you will learnSet up the deep learning environment using the PyTorch libraryLearn to build a deep learning model for image classificationUse a convolutional neural network for transfer learningUnderstand to use PyTorch for natural language processingUse a recurrent neural network to classify textUnderstand how to optimize PyTorch in multiprocessor and distributed environmentsTrain, optimize, and deploy your neural networks for maximum accuracy and performanceLearn to deploy production-ready modelsWho this book is for Developers and Data Scientist familiar with Machine Learning but new to deep learning, or existing practitioners of deep learning who would like to use PyTorch to train their deep learning models will find this book to be useful b33a28bf5d

In this practical guide, you'll learn how to use Cython to improve Python's performance—up to 3000x— and to wrap C and C++ libraries in Python with ease. Use Cython's static typing to speed up Python code Gain hands-on experience using Cython features to boost your numeric-heavy Python Create new types with Cython—and see how fast object-oriented programming in Python can be Effectively organize Cython code into separate modules and packages without sacrificing performance Use Cython to give Pythonic interfaces to C and C++ libraries Optimize code with Cython's runtime and compile-time profiling tools Use Cython's prange function to parallelize loops transparently with OpenMP. Build software that combines Python's expressivity with the performance and control of C (and C++). If you're just starting with Cython, or want to go deeper, you'll learn how this language is an essential part of any performance-oriented Python programmer's arsenal. It's possible with Cython, the compiler and hybrid programming language used by foundational packages such as NumPy, and prominent in projects including Pandas, h5py, and scikits-learn. Author Kurt Smith takes you through Cython's capabilities, with sample code and in-depth practice exercises

Create and improve fully automated forecasts for time series data with strong seasonal effects, holidays, and additional regressors using Python Purchase of the print or Kindle book includes a free PDF eBook Key Features Explore Prophet, the open source forecasting tool developed at Meta, to improve your forecasts Create a forecast and run diagnostics to understand forecast quality Fine-tune models to achieve high performance and report this performance with concrete statistics Book DescriptionForecasting Time Series Data with Prophet will help you to implement Prophet's cutting-edge forecasting techniques to model future data with high accuracy using only a few lines of code. By the end of this book, you'll be able to take a raw time series dataset and build advanced and accurate forecasting models with concise, understandable, and repeatable code. To get the most out of this book, you should have a basic understanding of time series data and be able to differentiate it from other types of data. Later, you'll see how to optimize more complicated models with hyperparameter tuning and by adding additional regressors to the model. You'll cover advanced features such as visualizing forecasts, adding holidays and trend changepoints, and handling outliers. This second edition has been fully revised with every update to the Prophet package since the first edition was published two years ago. What you will learn Understand the mathematics behind Prophet's models Build practical forecasting models from real datasets using Python Understand the different modes of growth that time series often exhibit Discover how to identify and deal with outliers in time series data Find out how to control uncertainty intervals to provide percent confidence in your forecasts Productionalize your Prophet models to scale your work faster and more efficiently Who this book is forThis book is for business managers, data scientists, data analysts, machine learning engineers, and software engineers who want to build time-series forecasts in Python or R. Finally, you'll learn how to run diagnostics to evaluate the performance of your models in production. Basic knowledge of forecasting techniques is a plus. An entirely new chapter is also included, diving into the mathematical equations behind Prophet's models. Additionally, the book contains new sections on forecasting during shocks such as COVID, creating custom trend modes from scratch, and a discussion of recent developments in the open-source forecasting community. You'll use the Fourier series to model seasonality, learn how to choose between an additive and multiplicative model, and understand when to modify each model

parameter b33a28bf5d

Face à une telle richesse et de si nombreuses possibilités, ce livre vous propose une formation pratique à la programmation en Python version 3. Python est un langage de programmation permettant de faire de la programmation impérative, de la programmation fonctionnelle et de la programmation orientée objet

https://scan.ikere-west.mlga.ek.gov.ng/MD/mo/MO61120746260725/dl/ready_for_fce_workbook_roy_norris_key.pdf
https://scan.ikere-west.mlga.ek.gov.ng/RTF/250726/791W2365Y9/dl/study_guide_for_ncjosi.pdf
https://scan.ikere-west.mlga.ek.gov.ng/EPDF/cw/44C4W08/data/essential_clinical_anatomy-4th_edition-by-moore_msc-phd_fiac-frsm-faaa_dr_keith-l_published-by_lippincott_williams_wilkins-4th_fourth-north_american_edition_2010-paperback.pdf
https://scan.ikere-west.mlga.ek.gov.ng/TXT/np/42960NP/visit/managerial-accounting_warren_reeve-duchac_11e-solutions.pdf
https://scan.ikere-west.mlga.ek.gov.ng/PAGE/23408WW/073918250726/find/haberman_partial-differential-solution_manual-5.pdf
https://scan.ikere-west.mlga.ek.gov.ng/MD/rw252607/746W8R4705073918/url/canon-mp90_service-manual.pdf
https://scan.ikere-west.mlga.ek.gov.ng/PLAY/073918/44717JB/mirror/insignia-ns_hdtune_manual.pdf
https://scan.ikere-west.mlga.ek.gov.ng/PDF/dj/9706D8J/link/unit_operations_of_chemical-engineering_solution_manual.pdf
https://scan.ikere-west.mlga.ek.gov.ng/PUB/250726/P213B14622/upload/tmj_1st_orthodontics_concepts_mechanics_and-stability_by_kazumi_ikeda-dds_2014_05_04.pdf
https://scan.ikere-west.mlga.ek.gov.ng/PPT/52WL170/073918250726/file/chemical_engineering-pe_exam_problems.pdf
https://scan.ikere-west.mlga.ek.gov.ng/KINDLE/he/13614E848H260725/find/cell_phone_forensic-tools_an_overview_and_analysis-update.pdf
https://scan.ikere-west.mlga.ek.gov.ng/PDF/mk/96241MK/goto/conversion_in-english_a_cognitive_semantic_approach.pdf