

Learning Pandas Python Data Discovery And Analysis Made Easy

FastAPI Data Wrangling on AWS Intelligent Sustainable Systems Advances in Practical Applications of Agents, Multi-Agent Systems, and Trustworthiness. The PAAMS Collection Modeling and Use of Context in Action Proceedings of the International Conference on Computational Innovations and Emerging Trends (ICCIET 2024) Hands-On Security in DevOps Digital Libraries Astronomical Data Analysis Software and Systems XVI Astronomical Data Analysis Software and Systems XV National Optical Astronomy Observatories Newsletter Microsoft SQL Server 2019: A Beginner's Guide, Seventh Edition Learning pandas Handbook of Applied Hydrology, Second Edition Hands-On Data Analysis with Pandas Learning Path Python for Programmers Hands-On Data Analysis with Pandas Los Angeles Lawyer Maintenance Engineering Handbook, Ninth Edition Bill Lubanovic Navnit Shukla Atulya K. Nagar Yves Demazeau Patrick Brézillon K. Reddy Madhavi Tony Hsiang-Chih Hsu Mark V. Dahl Richard A. Shaw Carlos Gabriel Dusan Petkovic Michael Heydt Vijay P. Singh Stefanie Molin Paul Deitel STEFANIE. MOLIN Keith Mobley

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Petkovic Michael Heydt Vijay P. Singh Stefanie Molin Paul Deitel STEFANIE. MOLIN Keith Mobley

fastapi is a young yet solid framework that takes advantage of newer python features in a clean design as its name implies fastapi is indeed fast rivaling similar frameworks in languages such as golang with this practical book developers familiar with python will learn how fastapi lets you accomplish more in less time with less code author bill lubanovic covers the nuts and bolts of fastapi development with how to guides on various topics such as forms database access graphics maps and more that will take you beyond the basics this book also includes how to guides that will get you up to speed on restful apis data validation authorization and performance with its similarities to frameworks like flask and django you ll find it easy to get started with fastapi through the course of this book you will learn how to build web applications with fastapi understand the differences between fastapi starlette and pydantic learn two features that set fastapi apart asynchronous functions and data type checking and validation examine new features of python 3 8 especially type annotations understand the differences between sync and async python learn how to connect with external apis and services

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along with security and monitoring aspects by the end of this book you'll be well equipped to perform data wrangling using aws services what you will learn explore how to write simple to complex transformations using aws data wrangler use abstracted functions to extract and load data from and into aws datastores configure aws glue databrew for data wrangling develop data pipelines using aws data wrangler integrate aws security features into data wrangler using identity and access management iam optimize your data with aws sagemaker who this book is for this book is for data engineers data scientists and business data analysts looking to explore the capabilities tools and services of data wrangling on aws for their etl tasks basic knowledge of python pandas and a familiarity with aws tools such as aws glue amazon athena is required to get the most out of this book

this book provides insights of world conference on smart trends in systems security and sustainability ws4 2021 which is divided into different sections such as smart it infrastructure for sustainable society smart management prospective for sustainable society smart secure systems for next generation technologies smart trends for computational graphics and image modeling and smart trends for biomedical and health informatics the proceedings is presented in two volumes the book is helpful for active researchers and practitioners in the field

this book constitutes the proceedings of the 18th international conference on practical applications of agents and multi agent systems paams 2020 held in I aquila italy in october 2020 the 29 regular and 17 demo papers presented in this volume were carefully reviewed and selected from 64 submissions they deal with the application and validation of agent based models methods and technologies in a number of key applications areas including advanced models and learning agent based programming decision making education and social interactions formal and theoretic models health and safety mobility and the city swarms and task allocation

this book brings together current research and adopts a pragmatic approach to modeling and using context to solve real world problems the editors were instrumental in creating and continue to be involved in the interdisciplinary research community centered around the biennial context international and interdisciplinary conference on modeling and using context conference series focused on studying context and its implications for

artificial intelligence software applications psychology philosophy linguistics neuroscience as well as other fields the first three chapters lay the foundations looking at the lessons learned over the past 25 years and arguing for a continued shift toward more pragmatic approaches the remaining chapters contain contributions to pragmatic context based research from a wide range of domains including technological problems such as subway incident management and autonomous underwater vehicle control identifying emotions from speech without understanding the words anonymization in a world where privacy is increasingly threatened teaching in context and improving management teaching in a business school

this is an open access book international conference on computational innovations and emerging trends icciet 2k24 icciet 24 has emerged as an enduring techno platform to connect education experts and passionate educators all over the world for improving the potential for excellence in engineering education it provides a premier interdisciplinary forum for researchers engineers academicians to present and discuss the most recent trends innovations concerns practical challenges encountered solutions adopted in the field of computational intelligence with its allied areas the conference also aims to provide a platform for scientists scholars students from universities all around the world and the industry to present ongoing research activities and hence to foster research relations between the universities and the industry scope of the conference the conference focuses on mutually sharing the advances and innovative technologies for the scientists scholars engineers and students from different universities and industry practitioners to present ongoing research activities in the recent trends of computer science and engineering this conference addresses the relevant topics and research issues in the vicinity of computational intelligence and hence to foster collaborations among stakeholders and researchers from distinct universities national laboratories government funding bodies and the industry

protect your organization s security at all levels by introducing the latest strategies for securing devops key features integrate security at each layer of the devops pipeline discover security practices to protect your cloud services by detecting fraud and intrusion explore solutions to infrastructure security using devops principles book description devops has provided speed and quality benefits with continuous development and deployment methods but it does not guarantee the security of an entire organization hands on security in devops shows you how to adopt devops techniques to

continuously improve your organization's security at every level rather than just focusing on protecting your infrastructure this guide combines devops and security to help you to protect cloud services and teaches you how to use techniques to integrate security directly in your product you will learn how to implement security at every layer such as for the web application cloud infrastructure communication and the delivery pipeline layers with the help of practical examples you'll explore the core security aspects such as blocking attacks fraud detection cloud forensics and incident response in the concluding chapters you will cover topics on extending devops security such as risk assessment threat modeling and continuous security by the end of this book you will be well versed in implementing security in all layers of your organization and be confident in monitoring and blocking attacks throughout your cloud services what you will learn understand devsecops culture and organization learn security requirements management and metrics secure your architecture design by looking at threat modeling coding tools and practices handle most common security issues and explore black and white box testing tools and practices work with security monitoring toolkits and online fraud detection rules explore gdpr and pii handling case studies to understand the devsecops lifecycle who this book is for hands on security in devops is for system administrators security consultants and devops engineers who want to secure their entire organization basic understanding of cloud computing automation frameworks and programming is necessary

the challenge of integration the need for integration problems opportunities standards necessary for integration general communication authentication data interchange library specific emerging enabling technology web servers scripting languages databases data interchange technology authentication and security obstacles to authentication directory services data network and server security interfacing with integrated library systems emerging ils roles data exchange and interoperability licensed electronic resource management functions and examples of electronic resource management systems digital asset management types and functions of digital asset management systems integration of digital asset management systems search integration of digital asset management system content digital collection assessment and development integration with content providers federated searching resolvers expanding role of search engines portals roles of a library web site commercial vs locally designed content management systems usability positioning for the future possibilities and limitations of planning organizational structure and design of digital

libraries staff needed to build and support digital libraries developing and maintaining the expertise to meet future challenges

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if you are a python programmer who wants to get started with performing data analysis using pandas and python this is the book for you some experience with statistical analysis would be helpful but is not mandatory

fully updated hydrology principles methods and applications thoroughly revised for the first time in 50 years this industry standard resource features chapter contributions from a who s who of international hydrology experts compiled by a colleague of the late dr chow chow s handbook of applied hydrology second edition covers scientific and engineering fundamentals and presents all new methods processes and technologies complete details are provided for the full range of ecosystems and models advanced chapters look to the future of hydrology including climate change impacts

extraterrestrial water social hydrology and water security chow s handbook of applied hydrology second edition covers the fundamentals of hydrology data collection and processing hydrology methods hydrologic processes and modeling sediment and pollutant transport hydrometeorologic and hydrologic extremes systems hydrology hydrology of large river and lake basins applications and design the future of hydrology

get to grips with pandas a versatile and high performance python library for data manipulation analysis and discovery key featuresperform efficient data analysis and manipulation tasks using pandasapply pandas to different real world domains using step by step demonstrationsget accustomed to using pandas as an effective data exploration toolbook description data analysis has become a necessary skill in a variety of positions where knowing how to work with data and extract insights can generate significant value hands on data analysis with pandas will show you how to analyze your data get started with machine learning and work effectively with python libraries often used for data science such as pandas numpy matplotlib seaborn and scikit learn using real world datasets you will learn how to use the powerful pandas library to perform data wrangling to reshape clean and aggregate your data then you will learn how to conduct exploratory data analysis by calculating summary statistics and visualizing the data to find patterns in the concluding chapters you will explore some applications of anomaly detection regression clustering and classification using scikit learn to make predictions based on past data by the end of this book you will be equipped with the skills you need to use pandas to ensure the veracity of your data visualize it for effective decision making and reliably reproduce analyses across multiple datasets what you will learnunderstand how data analysts and scientists gather and analyze dataperform data analysis and data wrangling in pythoncombine group and aggregate data from multiple sourcescreate data visualizations with pandas matplotlib and seabornapply machine learning ml algorithms to identify patterns and make predictionsuse python data science libraries to analyze real world datasetsuse pandas to solve common data representation and analysis problemsbuild python scripts modules and packages for reusable analysis codewho this book is for this book is for data analysts data science beginners and python developers who want to explore each stage of data analysis and scientific computing using a wide range of datasets you will also find this book useful if you are a data scientist who is looking to implement pandas in machine learning working knowledge of python programming language will be beneficial

python has become the language of choice of data scientists for performing data analysis visualization and machine learning if you re looking forward to implementing python in your data science projects to enhance data discovery then this is the perfect learning path for you starting out at the basic level this learning path will take you through all the stages of data science in a step by step manner we begin this journey with nailing down the fundamentals of python you ll be introduced to basic and advanced programming concepts of python before moving on to data science topics then you ll learn how to perform data analysis by taking advantage of the core data science libraries in the python ecosystem you ll also get a better understanding of the data visualization concepts how to apply them and how you can overcome any challenges while implementing them moving ahead you ll learn to use a wide variety of machine learning algorithms to solve real world problems finally you ll learn deep learning along with an introduction to tensorflow by the end of the learning path you ll be able to efficiently make use of python in your data science projects resource description page

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