Das Python3 2 Tutorial Auf Deutsch

Learning Python
Python Data Science Handbook
Essential Tools for Working with Data
iX Developer 2018 - Machine Learning
Beginning Programming with Python For Dummies
Release 3. 6. 6rc1
Begleitunterlagen zum Onlinekurs
Python Tutorial
8th International Conference, AIST 2019, Kazan, Russia, July 17–19, 2019, Revised Selected Papers
Proceedings of the 8th Python in Science Conference
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Python 3 - Intensivkurs
Fluent Python
Python Tricks
Python Essential Reference
Natural Language Processing with Spark NLP
Verstehen, verwenden, verifizieren
A Practical Introduction to Python 3
Learning Spark
Python Basics

Python 3
Python 101
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das umfassende Handbuch ; [Migration von Python 2.x auf 3 ; Einstieg, Praxis, Referenz ; Sprachgrundlagen, Objektorientierung, Modularisierung ; Migration, Debugging, Interoperabilität mit C, GUIs, Netzwerkkommunikation u.v.m.]
Proceedings of the 2nd Mediterranean Symposium on Smart City Applications
c't PC-Selbstbau
The Book
Python Machine Learning
Raspberry Pi für Einsteiger
Automate the Boring Stuff with Python, 2nd Edition

TRUJILLO HARLEY

Learning Python "O'Reilly Media, Inc."
This book constitutes the post-conference proceedings of the 8th International Conference on Analysis of Images, Social Networks and Texts, AIST 2019, held in Kazan, Russia, in July 2019. The 27 full and 8 short papers were carefully reviewed and selected from 134 submissions (of which 21 papers were automatically rejected without being reviewed). The papers are organized in topical sections on general topics of data analysis; natural language processing; social network analysis; analysis of images and video; optimization problems on graphs and network structures; and analysis of dynamic behavior through event data.
Python Data Science Handbook O'Reilly Germany
Python’s simplicity lets you become productive quickly, but this often means you aren’t using everything it has to offer. With this hands-on guide, you’ll learn how to write effective, idiomatic Python code by leveraging its best—and possibly most neglected—features. Author Luciano Ramalho takes you through Python’s core language features and libraries, and shows you how to make your code shorter, faster, and more readable at the same time. Many experienced programmers try to bend Python to fit patterns they learned from other languages, and never discover Python features outside of their experience. With this

book, those Python programmers will thoroughly learn how to become proficient in Python 3. This book covers: Python data model: understand how special methods are the key to the consistent behavior of objects Data structures: take full advantage of built-in types, and understand the text vs bytes duality in the Unicode age Functions as objects: view Python functions as first-class objects, and understand how this affects popular design patterns Object-oriented idioms: build classes by learning about references, mutability, interfaces, operator overloading, and multiple inheritance Control flow: leverage context managers, generators, coroutines, and concurrency with the concurrent.futures and asyncio packages Metaprogramming: understand how properties, attribute descriptors, class decorators, and metaclasses work

Essential Tools for Working with Data "O'Reilly Media, Inc."

Python TutorialRelease 3. 6. 6rc1Createspace Independent Publishing Platform

iX Developer 2018 - Machine Learning BoD – Books on Demand

Dieses Lehrbuch führt Sie anhand von physikalischen Fragestellungen aus der Mechanik in die Programmiersprache Python ein. Neben der reinen Simulation von physikalischen Systemen wird besonderes Augenmerk auf die Visualisierung von Ergebnissen und das Erstellen von Animationen gelegt. Mit zahlreichen Beispielen und Übungsaufgaben ermöglicht dieses Buch so den praktischen Einstieg in das wissenschaftliche Rechnen. Sie lernen Kurvenanpassungen durchzuführen sowie lineare und nicht-lineare Gleichungssysteme zu lösen, die bei der Behandlung von statischen Problemen auftreten. Auch die Lösung von Differentialgleichungen, die dynamische Systeme beschreiben, sowie Themen wie Fourier-Transformationen und Eigenwertprobleme kommen nicht zu kurz. Alle im Buch vorgestellten Programme, die fertigen Animationen sowie die Lösungen zu den Übungsaufgaben werden online bereitgestellt. Ob Sie also Physik oder eine Ingenieurwissenschaft mit hohem physikalischem Anteil studieren, oder ob Sie unterrichten und Ihre Lehre durch Simulationen und Animationen anreichern möchten – dieses Buch ist dabei Ihr optimaler Begleiter!

Beginning Programming with Python For Dummies "O'Reilly Media, Inc."

Unlock deeper insights into Machine Leaning with this vital guide to cutting-edge predictive analytics About This Book Leverage Python's most powerful open-source libraries for deep learning, data wrangling, and data visualization Learn effective strategies and best practices to improve and optimize machine learning systems and algorithms Ask – and answer – tough questions of your data with robust statistical models, built for a range of datasets Who This Book Is For If you want to find out how to use Python to start answering critical questions of your data, pick up Python Machine Learning – whether you want to get started from scratch or want to extend your data science knowledge, this is an essential and unmissable resource. What You Will Learn Explore how to use different machine learning models to ask different questions of your data Learn how to build neural networks using Keras and Theano Find out how to write clean and elegant Python code that will optimize the strength of your algorithms Discover how to embed your machine learning model in a web application for increased accessibility Predict continuous target outcomes using regression analysis Uncover hidden patterns and structures

in data with clustering Organize data using effective pre-processing techniques Get to grips with sentiment analysis to delve deeper into textual and social media data In Detail Machine learning and predictive analytics are transforming the way businesses and other organizations operate. Being able to understand trends and patterns in complex data is critical to success, becoming one of the key strategies for unlocking growth in a challenging contemporary marketplace. Python can help you deliver key insights into your data – its unique capabilities as a language let you build sophisticated algorithms and statistical models that can reveal new perspectives and answer key questions that are vital for success. Python Machine Learning gives you access to the world of predictive analytics and demonstrates why Python is one of the world's leading data science languages. If you want to ask better questions of data, or need to improve and extend the capabilities of your machine learning systems, this practical data science book is invaluable. Covering a wide range of powerful Python libraries, including scikit-learn, Theano, and Keras, and featuring guidance and tips on everything from sentiment analysis to neural networks, you'll soon be able to answer some of the most important questions facing you and your organization. Style and approach Python Machine Learning connects the fundamental theoretical principles behind machine learning to their practical application in a way that focuses you on asking and answering the right questions. It walks you through the key elements of Python and its powerful machine learning libraries, while demonstrating how to get to grips with a range of statistical models.

Release 3. 6. 6rc1 Springer Nature

Was konnen Sie mit dem Raspberry Pi machen - einem kreditkartengroen Computer zum Preis von 35 Euro? Alles! Wenn Sie programmieren lernen oder neue Elektronikprojekte umsetzen mochten, wird Ihnen dieser praktische Ratgeber extrem nutzlich sein. Dieses Buch fuhrt Sie Schritt fur Schritt durch die unterhaltsamen und lehrreichen Moglichkeiten der Mikrocontroller-Plattform Raspberry Pi. Greifen Sie auf vorinstallierte Programmiersprachen zuruck. Nutzen Sie den Raspberry Pi zusammen mit dem Arduino. Erstellen Sie Projekte, die mit dem Internet verbunden sind. Geben Sie Multimedia-Dateien wieder. Mit dem Raspberry Pi konnen Sie dies und vieles mehr erreichen. Machen Sie sich mit den Hardware-Features des Raspberry-Pi-Boards vertraut; Eignen Sie sich so viel Linux-Wissen an, dass Sie mit dem Raspberry zurechtkommen; Erlernen Sie die Grundlagen von Python und Scratch - und beginnen Sie zu programmieren; Zeichnen Sie Grafiken, spielen Sie Klange ab und verarbeiten Sie Mausereignisse mit dem Pygame-Framework; Nutzen Sie die Ein- und Ausgabepins des Mikrocontrollers fur Hardware-Basteleien; Finden Sie heraus, wie sich Arduino und Raspberry Pi gegenseitig erganzen; Binden Sie USB-Webcams und andere Peripherie-Gerate in Ihre Projekte ein; Erstellen Sie Ihren eigenen Pi-basierten Webserver mit Python.

Begleitunterlagen zum Onlinekurs Pearson Education

In der neuen Developer-Spezialausgabe der iX dreht sich alles um das Thema Machine Learning: Angefangen bei der Historie der Disziplin über detaillierte Betrachtungen der unterschiedlichen Frameworks und verwendeten Programmiersprachen bis hin zu Praxisbeispielen zur Textanalyse, Bilderkennung und vielem mehr. Wagen Sie mit unseren Autoren einen Blick in die Blackbox

des Zukunftsthemas und lernen sie neben den technischen Anwendungen und Voraussetzungen auch, welche ethische und rechtlichen Bedenken die Themen Künstliche Intelligenz und Maschinelles Lernen mit sich bringen.

Python Tutorial "O'Reilly Media, Inc."

Learn efficient Python coding within 7 days About This Book Make the best of Python features Learn the tinge of Python in 7 days Learn complex concepts using the most simple examples Who This Book Is For The book is aimed at aspiring developers and absolute novice who want to get started with the world of programming. We assume no knowledge of Python for this book. What You Will Learn Use if else statement with loops and how to break, skip the loop Get acquainted with python types and its operators Create modules and packages Learn slicing, indexing and string methods Explore advanced concepts like collections, class and objects Learn dictionary operation and methods Discover the scope and function of variables with arguments and return value In Detail Python is a great language to get started in the world of programming and application development. This book will help you to take your skills to the next level having a good knowledge of the fundamentals of Python. We begin with the absolute foundation, covering the basic syntax, type variables and operators. We'll then move on to concepts like statements, arrays, operators, string processing and I/O handling. You'll be able to learn how to operate tuples and understand the functions and methods of lists. We'll help you develop a deep understanding of list and tuples and learn python dictionary. As you progress through the book, you'll learn about function parameters and how to use control statements with the loop. You'll further learn how to create modules and packages, storing of data as well as handling errors. We later dive into advanced level concepts such as Python collections and how to use class, methods, objects in python. By the end of this book, you will be able to take your skills to the next level having a good knowledge of the fundamentals of Python. Style and approach Fast paced guide to get you up-to-speed with the language. Every chapter is followed by an exercise that focuses on building something with the language. The codes of the exercises can be found on the Packt website

8th International Conference, AIST 2019, Kazan, Russia, July 17–19, 2019, Revised Selected Papers "O'Reilly Media, Inc."

This book offers a highly accessible introduction to natural language processing, the field that supports a variety of language technologies, from predictive text and email filtering to automatic summarization and translation. With it, you'll learn how to write Python programs that work with large collections of unstructured text. You'll access richly annotated datasets using a comprehensive range of linguistic data structures, and you'll understand the main algorithms for analyzing the content and structure of written communication. Packed with examples and exercises, Natural Language Processing with Python will help you: Extract information from unstructured text, either to guess the topic or identify "named entities" Analyze linguistic structure in text, including parsing and semantic analysis Access popular linguistic databases, including WordNet and treebanks Integrate techniques drawn from fields as diverse as linguistics and artificial intelligence This book will help you gain practical skills in

natural language processing using the Python programming language and the Natural Language Toolkit (NLTK) open source library. If you're interested in developing web applications, analyzing multilingual news sources, or documenting endangered languages -- or if you're simply curious to have a programmer's perspective on how human language works -- you'll find Natural Language Processing with Python both fascinating and immensely useful.

Proceedings of the 8th Python in Science Conference Real Python (Realpython.Com)

The second edition of this best-selling Python book (over 500,000 copies sold!) uses Python 3 to teach even the technically uninclined how to write programs that do in minutes what would take hours to do by hand. There is no prior programming experience required and the book is loved by liberal arts majors and geeks alike. If you've ever spent hours renaming files or updating hundreds of spreadsheet cells, you know how tedious tasks like these can be. But what if you could have your computer do them for you? In this fully revised second edition of the best-selling classic Automate the Boring Stuff with Python, you'll learn how to use Python to write programs that do in minutes what would take you hours to do by hand--no prior programming experience required. You'll learn the basics of Python and explore Python's rich library of modules for performing specific tasks, like scraping data off websites, reading PDF and Word documents, and automating clicking and typing tasks. The second edition of this international fan favorite includes a brand-new chapter on input validation, as well as tutorials on automating Gmail and Google Sheets, plus tips on automatically updating CSV files. You'll learn how to create programs that effortlessly perform useful feats of automation to: • Search for text in a file or across multiple files • Create, update, move, and rename files and folders • Search the Web and download online content • Update and format data in Excel spreadsheets of any size • Split, merge, watermark, and encrypt PDFs • Send email responses and text notifications • Fill out online forms Step-by-step instructions walk you through each program, and updated practice projects at the end of each chapter challenge you to improve those programs and use your newfound skills to automate similar tasks. Don't spend your time doing work a well-trained monkey could do. Even if you've never written a line of code, you can make your computer do the grunt work. Learn how in Automate the Boring Stuff with Python, 2nd Edition.

The New and Improved Flask Mega-Tutorial "O'Reilly Media, Inc."

Learn the basics of ethical hacking and gain insights into the logic, algorithms, and syntax of Python. This book will set you up with a foundation that will help you understand the advanced concepts of hacking in the future. Learn Ethical Hacking with Python 3 touches the core issues of cyber security: in the modern world of interconnected computers and the Internet, security is increasingly becoming one of the most important features of programming. Ethical hacking is closely related to Python. For this reason this book is organized in three parts. The first part deals with the basics of ethical hacking; the second part deals with Python 3; and the third part deals with more advanced features of ethical hacking. What You Will Learn Discover the legal constraints of ethical hacking Work with virtual machines and virtualization Develop skills in Python 3 See the importance

of networking in ethical hacking Gain knowledge of the dark web, hidden Wikipedia, proxy chains, virtual private networks, MAC addresses, and more Who This Book Is For Beginners wanting to learn ethical hacking alongside a modular object oriented programming language.

Data Wrangling with Pandas, NumPy, and IPython Lulu.com
Harness the power of Python 3 objects.

Learning Python "O'Reilly Media, Inc."
Get complete instructions for manipulating, processing, cleaning, and crunching datasets in Python. Updated for Python 3.6, the second edition of this hands-on guide is packed with practical case studies that show you how to solve a broad set of data analysis problems effectively. You'll learn the latest versions of pandas, NumPy, IPython, and Jupyter in the process. Written by Wes McKinney, the creator of the Python pandas project, this book is a practical, modern introduction to data science tools in Python. It's ideal for analysts new to Python and for Python programmers new to data science and scientific computing. Data files and related material are available on GitHub. Use the IPython shell and Jupyter notebook for exploratory computing Learn basic and advanced features in NumPy (Numerical Python) Get started with data analysis tools in the pandas library Use flexible tools to load, clean, transform, merge, and reshape data Create informative visualizations with matplotlib Apply the pandas groupby facility to slice, dice, and summarize datasets Analyze and manipulate regular and irregular time series data Learn how to solve real-world data analysis problems with thorough, detailed examples

A Complete Introduction to the Python Language "O'Reilly Media, Inc."
Portable, powerful, and a breeze to use, Python is ideal for both standalone programs and scripting applications. With this hands-on book, you can master the fundamentals of the core Python language quickly and efficiently, whether you're new to programming or just new to Python. Once you finish, you will know enough about the language to use it in any application domain you choose. Learning Python is based on material from author Mark Lutz's popular training courses, which he's taught over the past decade. Each chapter is a self-contained lesson that helps you thoroughly understand a key component of Python before you continue. Along with plenty of annotated examples, illustrations, and chapter summaries, every chapter also contains Brain Builder, a unique section with practical exercises and review quizzes that let you practice new skills and test your understanding as you go. This book covers: Types and Operations -- Python's major built-in object types in depth: numbers, lists, dictionaries, and more Statements and Syntax -- the code you type to create and process objects in Python, along with Python's general syntax model Functions -- Python's basic procedural tool for structuring and reusing code Modules -- packages of statements, functions, and other tools organized into larger components Classes and OOP -- Python's optional object-oriented programming tool for structuring code for customization and reuse Exceptions and Tools -- exception handling model and statements, plus a look at development tools for writing larger programs Learning Python gives you a deep and complete understanding of the language that will help you comprehend any application-level examples of Python that you later encounter. If

you're ready to discover what Google and YouTube see in Python, this book is the best way to get started.

Hitchhiker's Guide für Python Heise Medien GmbH & Co. KG

Dieses Buch enthält die Begleitunterlagen zum kostenlosen Onlinekurs Programmieren mit Python und MATLAB. Die sechs aufeinander aufbauenden Module wurden an der ETH Zürich entwickelt und behandeln die wichtigsten Basiskonzepte der Programmierung in einer höheren Programmiersprache. Die Lernenden schreiben angeleitet durch ein elektronisches Tutorial eigenständig 20 Programme mit steigendem Realitätsbezug und Schwierigkeitsgrad und werden dadurch auf das Bearbeiten von Programmierprojekten vorbereitet. Dieser Kurs ist geeignet für die Programmiereinführung an Gymnasien, Berufsschulen, Fachhochschulen sowie für Studierende aller Fächer auf Universitätsstufe. Es werden keine Vorkenntnisse vorausgesetzt.

Python for Everybody O'Reilly

The proceedings of the 8th annual Python for Scientific Computing conference.

Learning to Understand Text at Scale Springer

Das neue c't-Sonderheft PC-Selbstbau hilft Ihnen, einen PC mit Komponenten nach Ihren Bedürfnissen zu bauen. Das Heft bietet nicht nur einen umfassenden Vergleich der neusten technischen Komponenten am Markt wie SSD, CPU, Mainboards oder Grafikkarten, sondern bietet auch vier fertige PC-Bauvorschläge, die im c't-Labor bereits optimiert wurden. Vom flotten Ryzen-Allrounder bis zum potenten Luxus-Rechner mit 16-Kern-Prozessor ist für jeden etwas dabei.

Python 3 - Intensivkurs O'Reilly Media

Python for Everybody is designed to introduce students to programming and software development through the lens of exploring data. You can think of the Python programming language as your tool to solve data problems that are beyond the capability of a spreadsheet.Python is an easy to use and easy to learn programming language that is freely available on Macintosh, Windows, or Linux computers. So once you learn Python you can use it for the rest of your career without needing to purchase any software.This book uses the Python 3 language. The earlier Python 2 version of this book is titled "Python for Informatics: Exploring Information".There are free downloadable electronic copies of this book in various formats and supporting materials for the book at www.pythonlearn.com. The course materials are available to you under a Creative Commons License so you can adapt them to teach your own Python course.

Fluent Python "O'Reilly Media, Inc."

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

Python Tricks John Wiley & Sons

Dieser erste Band der Informatik erklärt die grundlegenden

Konzepte: Programmierung, Algorithmen und Datenstrukturen. Nach einer Einführung zum Aufbau von Rechnersystemen und zur Darstellung von Informationen folgt ein Einstieg in die Programmierung mit der Sprache Python. Dabei werden grundsätzliche Prinzipien von Programmiersprachen erläutert, darunter Schleifen, Rekursion, imperative, funktionale und objektorientierte Programmierkonzepte. Einige konkrete Projekte werden in Python realisiert, so etwa zur Datenbeschaffung im Internet und deren Aufbereitung oder zum Umgang mit diversen Sensoren und zur Steuerung externer Geräte mit dem Raspberry-Pi. Dem Objektorientierten Programmieren und insbesondere der Programmiersprache Java ist ein eigenes Kapitel gewidmet. Diese Sprache und ihre Infrastruktur unterstützen besonders die professionelle Entwicklung großer Projekte. Auch die neuesten Konzepte von Java (Lambdas, Ströme und Funktionale) werden anschaulich erläutert. Das letzte Kapitel behandelt klassische Algorithmen und Datenstrukturen: Such- und Sortieralgorithmen, Listen, Bäume, Graphen, Maps, und diverse andere Datentypen zum effi zienten Speichern, Wiederauffi nden und Transformieren von Daten. Diese werden mit ihren Vor- und Nachteilen und anhand von Java-Programmen dargestellt. Das Buch richtet sich an alle Einsteiger, die sich ernsthaft mit Informatik beschäftigen wollen, sei es zum Selbststudium oder zur Begleitung von Vorlesungen. In den folgenden Bänden dieses Buches werden die Themen, Rechnerarchitektur, Betriebssysteme, Rechnernetze, Internet, Compilerbau und Theoretische Informatik vertieft. Prof. Dr. Heinz-Peter Gumm ist Professor für Theoretische Informatik in Marburg. Nach dem Studium in Darmstadt und Winnipeg (Kanada) von 1970 bis 1975 und der Habilitation 1981 folgten Professuren in Hawaii, Kalifornien und New York. Seine Forschungsgebiete sind Formale Methoden, Allgemeine Algebren und Coalgebren. Prof. Dr. Manfred Sommer ist emeritierter Professor für Praktische Informatik in Marburg. Nach dem Studium in Göttingen und München von 1964 bis 1969, war er Assistent am ersten Informatik-Institut in Deutschland an der TU München. Es folgten zehn Jahre bei Siemens in München und von 1984 bis 2014 war er Informatik-Professor in Marburg.