

Data Science Master Machine Learning Without Coding

Eventually, you will enormously discover a other experience and success by spending more cash. yet when? get you say you will that you require to acquire those all needs behind having significantly cash? Why dont you attempt to acquire something basic in the beginning? Thats something that will lead you to comprehend even more in relation to the globe, experience, some places, past history, amusement, and a lot more?

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Data Science with Jupyter - Prateek Gupta 2019-03-27

Step-by-step guide to practising data science techniques with Jupyter notebooks Description Modern businesses are awash with data, making data driven decision-making tasks increasingly complex. As a result, relevant technical expertise and analytical skills are required to do such tasks. This book aims to equip you with just enough knowledge of Python in conjunction with skills to use powerful tool such as Jupyter Notebook in order to succeed in the role of a data scientist. The book starts with a brief introduction to the world of data science and the opportunities you may come across along with an overview of the key topics covered in the book. You will learn how to setup Anaconda installation which comes with Jupyter and preinstalled Python packages. Before diving in to several supervised, unsupervised and other machine learning techniques, you'll learn how to use basic data structures, functions, libraries and packages required to import, clean, visualize and process data. Several machine learning techniques such as regression, classification, clustering, time-series etc have been explained with the use of practical examples and by comparing the performance of various models. By the end of the book, you will come across few case studies to put your knowledge to practice and solve real-life business problems such as building a movie recommendation engine, classifying spam messages, predicting the ability of a borrower to repay loan on time and time series forecasting of housing prices. Remember to practice additional examples provided in the code bundle of the book to master these techniques. **Audience** The book is intended for anyone looking for a career in data science, all aspiring data scientists who want to learn the most powerful programming language in Machine Learning or working professionals who want to switch their career in Data Science. While no prior knowledge of Data Science or related technologies is assumed, it will be helpful to have some programming experience. **Key Features** · Acquire Python skills to do independent data science projects · Learn the basics of linear algebra and statistical science in Python way · Understand how and when they're used in data science · Build predictive models, tune their parameters and analyze performance in few steps · Cluster, transform, visualize, and extract insights from unlabelled datasets · Learn how to use matplotlib and seaborn for data visualization ·

Implement and save machine learning models for real-world business scenarios **Table of Contents** 1) Data Science Fundamentals 2) Installing Software and Setting up 3) Lists and Dictionaries 4) Function and Packages 5) NumPy Foundation 6) Pandas and Dataframe 7) Interacting with Databases 8) Thinking Statistically in Data Science 9) How to import data in Python? 10) Cleaning of imported data 11) Data Visualization 12) Data Pre-processing 13) Supervised Machine Learning 14) Unsupervised Machine Learning 15) Handling Time-Series Data 16) Time-Series Methods 17) Case Study – 1 18) Case Study – 2 19) Case Study – 3 20) Case Study – 4

Machine Learning with Python - Jason Test 2020-08-19

Are you looking for a super-fast computer programming course? Would you like to learn the Python Programming Language and machine learning in 7 days? Do you want to increase your online business thanks to the web applications? If so, keep reading: this bundle book is for you! Finally on launch the most complete Python guide with 2 Manuscripts in 1 book: 1-Python for beginners 2-Python for Data Science Python will introduce you many selected practices for coding . You will discover as a beginner the world of data science, machine learning and artificial intelligence. I'd like to say that Machine Learning with Python can be complicated, and the whole concept of Data Analysis can be daunting to starters. You have to take time and study the whole concept before you start to be proficiency. But this book will be your guide: the following list is just a tiny fraction of what you will learn in this collection bundle. 1) Python for beginners □ The basics of Python programming □ Differences among programming languages □ Vba, SQL, R, Python □ Game creation with Pyhton □ Easy-to-follow steps for reading and writing codes. □ Control flow statements and Error handling □ 3 best strategies with NumPy, Pandas, Matplotlib 2) Python for Data science □ 3 reasons why Python is fundamental for Data Science □ Python design patterns □ How to use Python Data Analysis in your business □ Data visualization optimal tools and techniques □ Analysis of popular Python projects templates □ How to set up the Python environment for Data Science □ 5 Most important Machine Learning Algorithms □ How to leverage Data Science in the Cloud Even if you have never written a programming code

before, you will quickly grasp the basics thanks to visual charts and guidelines for coding. Examples and step-by-step guides will guide you during the code-writing learning process. The description of each topic is crystal-clear and you can easily practice with related exercises and Predictive modelling concepts are explained in simple terms You will also learn 3 best tricks of writing codes. If you really wish to to learn Python and master its language, please click the BUY NOW button.

Learn Python - Eric Wall 2020-10-22

Are you interested in software development? Are you getting attracted to learning what artificial intelligence is? Do you like to master Python coding? If that's the case, this book, LEARN PYTHON: Crash Course and Coding is the answer to your concerns! Allow this book to bring you the Python language without a fuss and explore the realm of artificial intelligence, machine learning, and data science! You will find a plethora of languages you could work when we talk about coding. However, none are going to offer you the advantages you'll get with Python coding. The language is extraordinarily sought-after and utilized so often. Did you know a few operating systems, which have some version of Python seen on them for you to use? That could make it simpler to learn some of the coding done that you'd wish and will guarantee you'll receive the best advantages out of it in no time. Keep in mind that the Python language isn't just challenging to read. Inside this book, you will realize that it's a simple job to read some of the various parts of the language. That's especially true even if you're a beginner and haven't been able to work with the language ever. The best part here is that you'll still be able to check some of the systems and see that you understand the details quite well. Here's a preview of what you'll find in this book: - How To Install Python On Windows - Variables And Simple Data Types; - Functions In Python; - Testing Your Code; - Data Science With Python And Machine Learning; - Web Applications; - Tips And Tricks To Get The Most Out Of Python; - Inheritances In Python - Python-Specific Definitions - - Analysis Using Panda - Python Machine Learning - Algorithms - Data Files - How To Read Errors And Troubleshooting Your Code - And So Much More! This book is intended for beginners, students, and even professionals who wish to understand how to code and use it to solve challenging real-life concerns. What are you waiting for? Scroll this page and click BUY NOW to get started!

Python Machine Learning - Sebastian Raschka 2017-09-20

Unlock modern machine learning and deep learning techniques with Python by using the latest cutting-edge open source Python libraries. About This Book Second edition of the bestselling book on Machine Learning A practical approach to key frameworks in data science, machine learning, and deep learning Use the most powerful Python libraries to implement machine learning and deep learning Get to know the best practices to improve and optimize your machine learning systems and algorithms Who This Book Is For If you know some

Python and you want to use machine learning and deep learning, pick up this book. Whether you want to start from scratch or extend your machine learning knowledge, this is an essential and unmissable resource. Written for developers and data scientists who want to create practical machine learning and deep learning code, this book is ideal for developers and data scientists who want to teach computers how to learn from data. What You Will Learn Understand the key frameworks in data science, machine learning, and deep learning Harness the power of the latest Python open source libraries in machine learning Explore machine learning techniques using challenging real-world data Master deep neural network implementation using the TensorFlow library Learn the mechanics of classification algorithms to implement the best tool for the job Predict continuous target outcomes using regression analysis Uncover hidden patterns and structures in data with clustering Delve deeper into textual and social media data using sentiment analysis In Detail Machine learning is eating the software world, and now deep learning is extending machine learning. Understand and work at the cutting edge of machine learning, neural networks, and deep learning with this second edition of Sebastian Raschka's bestselling book, Python Machine Learning. Thoroughly updated using the latest Python open source libraries, this book offers the practical knowledge and techniques you need to create and contribute to machine learning, deep learning, and modern data analysis. Fully extended and modernized, Python Machine Learning Second Edition now includes the popular TensorFlow deep learning library. The scikit-learn code has also been fully updated to include recent improvements and additions to this versatile machine learning library. Sebastian Raschka and Vahid Mirjalili's unique insight and expertise introduce you to machine learning and deep learning algorithms from scratch, and show you how to apply them to practical industry challenges using realistic and interesting examples. By the end of the book, you'll be ready to meet the new data analysis opportunities in today's world. If you've read the first edition of this book, you'll be delighted to find a new balance of classical ideas and modern insights into machine learning. Every chapter has been critically updated, and there are new chapters on key technologies. You'll be able to learn and work with TensorFlow more deeply than ever before, and get essential coverage of the Keras neural network library, along with the most recent updates to scikit-learn. Style and Approach Python Machine Learning Second Edition takes a practical, hands-on coding approach so you can learn about machine learning by coding with Python. This book moves fluently between the theoretical principles of machine learning and the practical details of implementation with Python.

Introduction to Data Science - Peters Morgan 2017-04-07

*****Free eBook for customers who purchase the print book from Amazon***** Are you thinking of learning data science with easiest way (For Beginners)? If you are looking for a complete introduction to data science,

this book is for you. After his great success with his first book "Data Analysis from Scratch with Python", Peters Morgan publish this book focusing now in data science and machine learning. Practitioners consider it as the easiest guide ever written in this domain. From AI Sciences Publisher Our books may be the best one for beginners; it's a step-by-step guide for any person who wants to start learning Artificial Intelligence and Data Science from scratch. It will help you in preparing a solid foundation and learn any other high-level courses. To get the most out of the concepts that would be covered, readers are advised to adopt hands on approach, which would lead to better mental representations. Step By Step Guide and Visual Illustrations and Examples This book is an introduction to the main concepts of data science explained with easiest examples. Peters Morgan focus on the practical aspects of using data science and machine learning algorithms, rather than the math behind them. Target Users Target Users The book is designed for a variety of target audiences. The most suitable users would include: Beginners who want to approach data science, but are too afraid of complex math to start Newbies in computer science techniques and data science Professionals in data science and social sciences Professors, lecturers or tutors who are looking to find better ways to explain the content to their students in the simplest and easiest way Students and academicians, especially those focusing on data science What's Inside This Book? Introduction Statistics Probability Bayes' Theorem and Naïve Bayes Algorithm Asking the Right Question Data Acquisition Data Preparation Data Exploration Data Modelling Data Presentation Supervised Learning Algorithms Unsupervised Learning Algorithms Semi-supervised Learning Algorithms Reinforcement Learning Algorithms Overfitting and Underfitting Correctness The Bias-Variance Trade-off Feature Extraction and Selection K-Nearest Neighbors Naive Bayes Simple and Multiple Linear Regression Logistic Regression GLM models Decision Trees and Random forest Perceptrons Backpropagation Clustering Natural Language Processing Frequently Asked Questions Q: Is this book for me and do I need programming experience? A: No programming experience is required. This book is an introduction to data science without any type of programming. Q: Does this book include everything I need to become a data science expert? A: Unfortunately, no. This book is designed for readers taking their first steps in data science and machine learning and further learning will be required beyond this book to master all aspects. Q: Can I loan this book to friends? A: Yes. Under Amazon's Kindle Book Lending program, you can lend this book to friends and family for a duration of 14 days. Q: Can I have a refund if this book is not fitted for me? A: Yes, Amazon refund you if you aren't satisfied, for more information about the amazon refund service please go to the amazon help platform. We will also be happy to help you if you send us an email at contact@aisciences.net.

Python for Data Analysis - Jason Test 2020-11-10

Master the best methods for PYTHON. Learn how to programming as a pro and get positive ROI in 7 days with data science and machine learning Are you looking for a super-fast computer programming course? Would you like to learn the Python Programming Language in 7 days? Do you want to increase your business thanks to the web applications? If so, keep reading: this bundle book is for you! Today, thanks to computer programming we can work with sophisticated machines that can study human behavior and activity to identify underlying human behavioral patterns. Scientists can predict exactly what products and services consumers are interested in. It is getting increasingly challenging for traditional businesses to retain their customers without adopting one or more of the cutting-edge technology explained in this book. PYTHON FOR DATA ANALYSIS will introduce you many selected tips and breaking down the basics of coding. You will discover as a beginner the world of data science, machine learning and artificial intelligence. The description of each topic is crystal-clear and you can easily practice with related exercises. Examples and step-by-step guides will guide you during the code-writing learning process. The following list is just a tiny fraction of what you will learn in this bundle PYTHON FOR DATA SCIENCE □ The basics of Python programming □ Differences among programming languages: Vba, SQL, R, Python □ 4 reasons why Python is fundamental for Data Science □ Introduction to some Python libraries like NumPy, Pandas, Matplotlib, □ Python design patterns □ 3 step system why Python is fundamental for Data Science □ Optimal tools and techniques for data visualization □ Analysis of popular Python projects templates □ Game creation with Python PYTHON CRASH COURSE □ A Proven Method to Write your First Program in 7 Days □ 3 Common Mistakes to Avoid when You Start Coding □ Fit Python Data Analysis to your business □ A Simple Strategy to Write Clean, Understandable and Flexible Codes □ The One Thing You Need to Debug your Codes in Python □ 5 Practical exercises to start programming □ 7 Most effective Machine Learning Algorithms Even if you have never written a programming code before, you will quickly grasp the basics thanks to visual charts and guidelines for coding. Today is the best day to start programming like a pro. It's never too late to learn a coding language, whether you're 19 or 50! If you really wish to learn Python and master its language, please click the BUY NOW button.

Python Programming For Advanced - Bill Steven 2020-04-29

Are you looking for a complete guide on python? Then keep reading... Python is a programming language that has several features that makes it very attractive to programmers and developers. First of all, Python is a free programming language which means it is available for anybody. Python is also an open-source language which means you can contribute to the source code if you wish. In fact, Python is a language that is supported by a community that gathers its effort through the internet to improve this language. Python is a

language that belongs to the category of high-level languages. This implies that Python does not require compiling like other languages such as C or C++, Fortran, and so on. It implies also that the syntax of Python is very easy to use and learn. These features make Python programs to be easily developed, interpreted, and maintained at low cost. Therefore, it allows sharing and collaborating to develop applications based on Python very efficient. Being an easy syntax and high-level programming language does not mean that Python is a very slow programming language. In fact, Python is considered a very competitive and productive language. When compared to other programming languages that are low-level and known to be fast, a Python script can be 3rd or 5th size of a similar script developed with C++ or Java. In addition to requiring less typing and debugging, Python does not require compiling. Once a Python script is developed, it can be run directly without additional steps of compiling or linking to other tools or libraries. In this book You will be able to learn about: Getting Started with Python Machine Learning with Python Types of Learning Machine Data Analysis with Machine Learning Data Science and How It Fits in Machine Learning Data science Algorithms and Models Data Analysis with Python How machine learning works for data science Use Python in Machine Learning Functions in Python Tips and Tricks for an Expert Python Programming Performed Python programming exercises on functions, strings, lists and mathematical calculations and much more! Python comes with a default library called the standard library which includes a set of modules like the math module for mathematical and numerical programming. Moreover, Python supports using other libraries developed by third parties. There is a wide range of third parties' packages that are available online and allows using advanced tools for a specific domain (e.g. Numpy library for Numerical programming with Python, Pandas, Matplotlib for developing figures and so on). Hence, when coding with Python language, you have access to a wide set of tools and pre-coded and built-in objects that can be easily used. You never start from scratch because there is a high chance that the function you want to use was already coded and made available for use by anybody. Python can be considered as a hybrid language in the context that it allows integrating and to be integrated with other programming languages. For instance, you can use pre-coded or compiled libraries that are written in C or C++ within Python. You can also call Python codes from scripts that are written in C or C++. Are you curious about Python Programming? Start learning now by clicking the "Buy Now" button.

[Python Programming, Deep Learning](#) - Anthony Adams 2020-04-15

Easily Boost Your Skills In Python Programming & Become A Master In Deep Learning & Data Analysis!

Python is an interpreted, high-level, general-purpose programming language that emphasizes code readability with its notable use of significant whitespace. What makes Python so popular in the IT industry is that it uses an object-oriented approach, which enables programmers to write clear, logical code for all types of projects,

whether big or small. Hone your Python Programming skills and gain a sharp edge over other programmers the EASIEST way possible... with this practical beginner's guide! In his 3-in-1 Python crash course for beginners, Anthony Adams gives novices like you simple, yet efficient tips and tricks to become a MASTER in Python coding for artificial intelligence, neural networks, machine learning, and data science/analysis! Here's what you'll get: Highly innovative ways to boost your understanding in Python programming, data analysis, and machine learning Quickly and effectively stop fraud with machine learning Practical and efficient exercises that make understanding Python quick & easy And so much more! As a beginner, you might feel a bit intimidated by the complexities of coding. Add the fact that most Python Programming crash course guides make learning harder than it has to be! With the help of this 3-in-1 guide, you will be given carefully sequenced Python Programming lessons that'll maximize your understanding, and equip you with all the skills for real-life application! Thrive in the IT industry with this comprehensive Python Programming crash course! Scroll up, Click on "Buy Now", and Start Learning Today!

Python: This Book Includes: Learn How To Develop Programs And Apps In 7 Days With Python Programming And Start Deep Hands-on L - Oliver R. Simpson 2020-10-06

The Ultimate Crash Course On Python That Will Have You Programming In Just 7 Days! Did you know that there are 698 programming languages? One of them that is the easiest to master is Python. Named after "Monty Python's Flying Circus", a BBC comedy series from the 1970s, learning Python is a piece of cake if you have the right teacher. And, there is no better and more straightforward teacher than this course! Python is a high-level programming language with dynamic semantics that emphasizes readability and ease of use. It can be used to develop websites, desktop GUI applications, and web applications. The syntax rules of Python allow you to express concepts without writing additional code. Unlike other programming languages, Python emphasizes code readability and this programming language allows you to use English keywords instead of punctuations. Python has an extensive and robust standard library, which makes it score over other programming languages. Besides, it is an open-source programming language that will help you curtail the cost of software development significantly. Also, Python is designed with features to facilitate data analysis and visualization. You can use it to create custom big data solutions without putting extra time and effort. So, what stops you from using Python to design amazing apps? Here is the problem you face: Most people are intimidated by the thought of learning how to program because it seems incredibly complicated. While programming terminologies can be intimidating at first, they're actually quite easy to learn. Once you understand the fundamentals, everything else will be much easier. Don't let your fear of trying something new stop you! If you have a great idea for a program or an app, but you don't know how to bring it to life, this

book will be your savior. In his book, Oliver teaches you everything there is to know about Python machine learning, data science, data analysis, and programming. Once you get the hang of the basics, this crash course will help you use all this knowledge for practical tasks and start programming in seven days! Here's what you'll discover inside this book: - The Basics of Machine Learning: learn how to use classification algorithms and create data pipelines that are essential to machine learning - Essential Skills for Python Programming: a straightforward guide that will turn you from a rookie into an expert in Python programming and coding - How to Master Data Science: lessons that will teach you how to collect data from scratch, improve your skills, and become an unprecedented data scientist - And much more! This book is not for people who want to learn what is programming. It is for those who dream of becoming expert programmers without spending months learning the basics. The thing is, you can't learn how to program overnight. But, if you set aside some time every day to read this book and practice, then you'll be able to start developing your programs and apps in no time! If you're ready to start this journey then... Get Your Copy Now!

Data Science Programming All-in-One For Dummies - John Paul Mueller 2020-01-09

Your logical, linear guide to the fundamentals of data science programming Data science is exploding—in a good way—with a forecast of 1.7 megabytes of new information created every second for each human being on the planet by 2020 and 11.5 million job openings by 2026. It clearly pays dividends to be in the know. This friendly guide charts a path through the fundamentals of data science and then delves into the actual work: linear regression, logical regression, machine learning, neural networks, recommender engines, and cross-validation of models. Data Science Programming All-In-One For Dummies is a compilation of the key data science, machine learning, and deep learning programming languages: Python and R. It helps you decide which programming languages are best for specific data science needs. It also gives you the guidelines to build your own projects to solve problems in real time. Get grounded: the ideal start for new data professionals What lies ahead: learn about specific areas that data is transforming Be meaningful: find out how to tell your data story See clearly: pick up the art of visualization Whether you're a beginning student or already mid-career, get your copy now and add even more meaning to your life—and everyone else's!

Python Machine Learning - Wei-Meng Lee 2019-04-04

Python makes machine learning easy for beginners and experienced developers With computing power increasing exponentially and costs decreasing at the same time, there is no better time to learn machine learning using Python. Machine learning tasks that once required enormous processing power are now possible on desktop machines. However, machine learning is not for the faint of heart—it requires a good foundation in statistics, as well as programming knowledge. Python Machine Learning will help coders of all

levels master one of the most in-demand programming skillsets in use today. Readers will get started by following fundamental topics such as an introduction to Machine Learning and Data Science. For each learning algorithm, readers will use a real-life scenario to show how Python is used to solve the problem at hand. • Python data science—manipulating data and data visualization • Data cleansing • Understanding Machine learning algorithms • Supervised learning algorithms • Unsupervised learning algorithms • Deploying machine learning models Python Machine Learning is essential reading for students, developers, or anyone with a keen interest in taking their coding skills to the next level.

Programming Machine Learning - Paolo Perrotta 2020-03-31

You've decided to tackle machine learning - because you're job hunting, embarking on a new project, or just think self-driving cars are cool. But where to start? It's easy to be intimidated, even as a software developer. The good news is that it doesn't have to be that hard. Master machine learning by writing code one line at a time, from simple learning programs all the way to a true deep learning system. Tackle the hard topics by breaking them down so they're easier to understand, and build your confidence by getting your hands dirty. Peel away the obscurities of machine learning, starting from scratch and going all the way to deep learning. Machine learning can be intimidating, with its reliance on math and algorithms that most programmers don't encounter in their regular work. Take a hands-on approach, writing the Python code yourself, without any libraries to obscure what's really going on. Iterate on your design, and add layers of complexity as you go. Build an image recognition application from scratch with supervised learning. Predict the future with linear regression. Dive into gradient descent, a fundamental algorithm that drives most of machine learning. Create perceptrons to classify data. Build neural networks to tackle more complex and sophisticated data sets. Train and refine those networks with backpropagation and batching. Layer the neural networks, eliminate overfitting, and add convolution to transform your neural network into a true deep learning system. Start from the beginning and code your way to machine learning mastery. What You Need: The examples in this book are written in Python, but don't worry if you don't know this language: you'll pick up all the Python you need very quickly. Apart from that, you'll only need your computer, and your code-adept brain.

A Beginners Guide To DATA SCIENCE - Enamul Haque 2021-03-31

Calling all the Aspiring Data Scientists! This book is your "one-stop-shop" to kick start your data science career without knowing how to code! In fact, data science doesn't have to be complicated! With this book, you will grow an understanding of the foundations of data science and its applications. To master this book, you don't need technical abilities. This book is recommended for beginners and anybody who want to understand data science conveniently. You don't need a big textbook to master data science today. A straightforward

language has been used to ensure ease of understanding, especially for beginners. Key features include:
Introduction to data science
History of data science
Data science life-cycle
Data science tools and technologies
Data science methodology
Data science models
Developing data science business strategy
Managing data science projects
Becoming a data scientist, data engineers etc.
Doing data science without coding
Big data
Data Mining
Artificial intelligence
Machine learning
Deep learning
Neural networks
Mathematical analysis
Statistical modelling
Understanding the fundamentals of Python and R
Database structures and principles
Robotic Process Automation
Data science acronyms you need to know
Online free data science learning resources
And a lot more

Introduction to Data Science and Machine Learning - Keshav Sud 2020-03-25

Introduction to Data Science and Machine Learning has been created with the goal to provide beginners seeking to learn about data science, data enthusiasts, and experienced data professionals with a deep understanding of data science application development using open-source programming from start to finish. This book is divided into four sections: the first section contains an introduction to the book, the second covers the field of data science, software development, and open-source based embedded hardware; the third section covers algorithms that are the decision engines for data science applications; and the final section brings together the concepts shared in the first three sections and provides several examples of data science applications.

Deep Learning for Coders with fastai and PyTorch - Jeremy Howard 2020-06-29

Deep learning is often viewed as the exclusive domain of math PhDs and big tech companies. But as this hands-on guide demonstrates, programmers comfortable with Python can achieve impressive results in deep learning with little math background, small amounts of data, and minimal code. How? With fastai, the first library to provide a consistent interface to the most frequently used deep learning applications. Authors Jeremy Howard and Sylvain Gugger, the creators of fastai, show you how to train a model on a wide range of tasks using fastai and PyTorch. You'll also dive progressively further into deep learning theory to gain a complete understanding of the algorithms behind the scenes. Train models in computer vision, natural language processing, tabular data, and collaborative filtering Learn the latest deep learning techniques that matter most in practice Improve accuracy, speed, and reliability by understanding how deep learning models work Discover how to turn your models into web applications Implement deep learning algorithms from scratch Consider the ethical implications of your work Gain insight from the foreword by PyTorch cofounder, Soumith Chintala

Machine Learning - Andrew Park 2020-01-21

Master the world of Machine Learning and Data Science with this comprehensive 2-in-1 bundle. If you want to learn more about Machine Learning and Data Science or how to master them with Python quickly and easily, then keep reading. Data Science and Machine Learning are the biggest buzzwords in the business world nowadays. Many businesses know the importance of collecting information, but as they can collect so much data in a short period, the real question is: "what is the next step?" Data Science includes all the different procedures that must be implemented when working with data: collecting and cleaning them, analyzing them, applying Machine Learning algorithms and models, and then presenting your findings from the analysis with some good data visualizations. Machines and automation represent a huge part of our daily life. They are becoming part of our experience, and existence. Artificial Intelligence is currently one of the most thriving fields any programmer would wish to delve into, and for a good reason: this is the future! Simply put, Machine Learning is about teaching machines to think and make decisions as we would. The difference between the way machines learn and the way we do is that while for the most part we learn from experiences, machines learn from data. In book one, PYTHON MACHINE LEARNING, you will learn: What is Machine Learning and how it is applied in real-world situations Understanding the differences between Machine Learning, Deep Learning, and Artificial Intelligence Machine learning training models, Regression techniques and Linear Regression in Python How to use Lists and Modules in Python The 12 essential libraries for Machine Learning in Python Artificial Neural Networks And Much More! In book two, PYTHON DATA SCIENCE, you will learn: What Data Science is all about and why so many companies are using it to give them a competitive edge. Why Python and how to use it to implement Data Science The main Data Structures & Object-Oriented Programming, Functions and Modules in Python with practical codes and exercises The 7 most important algorithms and models in Data Science Data Aggregation, Group Operations, Databases and Data in the Cloud 9 important Data Mining techniques in Data Science And So Much More! Where most books only focus on how collecting and cleaning the data, this book goes further, providing guidance on how to perform a proper analysis in order to extract precious information that may be vital for a business. Don't miss the opportunity to master the key points of Machine Learning technology and understand how researchers are breaking the boundaries of Data Science to mimic human intelligence in machines. Even if some concepts of Machine Learning algorithms can appear complex to most computer programming beginners, this book takes the time to explain them in a simple and concise way. Understanding Machine Learning and Data Science is easier than it looks. You just need the right guidance. And this book provides all the knowledge you need in a simple and practical way. Regardless of your previous experience, you will learn, the techniques to manipulate and process datasets, the principles of Python programming, and its most important real-world

applications. Would You Like To Know More? Scroll Up and Click on the BUY NOW Button to Get Your Copy!

Learn Python Programming - Russel R Russo 2020-12-17

If you are fascinated by Artificial Intelligence but you don't know where to start... If you think that learning Python programming would be cool but you are afraid that it's too hard for you... Well, then you are in the right place, looking at the right book. Artificial Intelligence is the secret behind the big ones, like Google, Facebook, Amazon, and we all know that. But it can also be a powerful tool in your own hands. With this book you will prepare the ground for your future success, either if you want to start up your own AI enterprise, apply your knowledge to your current business, or find a job at the greatest and most innovative companies. If programming will open you many doors, Python programming will open you even more. All the topics covered in this book are selected to give you a broad overview on Python programming for you to have a solid first knowledge without being overwhelmed by useless information. Your learning process is the main goal of Learn Python Programming, then you will find both theory and hands on exercises, so you can immediately experience the possibilities of what you are learning. With this book you will: Learn the smartest way to interact with Python Code your first application Understand the elements of Python you will actually need Easily find your path among Python data, statements, classes and objects See how algorithms will help you making predictions Get tips and tricks to prevent you from getting lost in coding Build a complete program Discover the more effective way to use classes, files and functions As the ancient Chinese philosopher Lao Tsu said: "A journey of a thousand miles begins with a single step". So, even if you don't know anything about coding, let Learn Python Programming be the first step of your thousand miles journey. Buy Learn Python Programming now to start your path of Artificial Intelligence.

***Machine Learning in Production* - Andrew Kelleher 2019-02-27**

Foundational Hands-On Skills for Succeeding with Real Data Science Projects This pragmatic book introduces both machine learning and data science, bridging gaps between data scientist and engineer, and helping you bring these techniques into production. It helps ensure that your efforts actually solve your problem, and offers unique coverage of real-world optimization in production settings. –From the Foreword by Paul Dix, series editor Machine Learning in Production is a crash course in data science and machine learning for people who need to solve real-world problems in production environments. Written for technically competent “accidental data scientists” with more curiosity and ambition than formal training, this complete and rigorous introduction stresses practice, not theory. Building on agile principles, Andrew and Adam Kelleher show how to quickly deliver significant value in production, resisting overhyped tools and unnecessary complexity. Drawing on their extensive experience, they help you ask useful questions and then

execute production projects from start to finish. The authors show just how much information you can glean with straightforward queries, aggregations, and visualizations, and they teach indispensable error analysis methods to avoid costly mistakes. They turn to workhorse machine learning techniques such as linear regression, classification, clustering, and Bayesian inference, helping you choose the right algorithm for each production problem. Their concluding section on hardware, infrastructure, and distributed systems offers unique and invaluable guidance on optimization in production environments. Andrew and Adam always focus on what matters in production: solving the problems that offer the highest return on investment, using the simplest, lowest-risk approaches that work. Leverage agile principles to maximize development efficiency in production projects Learn from practical Python code examples and visualizations that bring essential algorithmic concepts to life Start with simple heuristics and improve them as your data pipeline matures Avoid bad conclusions by implementing foundational error analysis techniques Communicate your results with basic data visualization techniques Master basic machine learning techniques, starting with linear regression and random forests Perform classification and clustering on both vector and graph data Learn the basics of graphical models and Bayesian inference Understand correlation and causation in machine learning models Explore overfitting, model capacity, and other advanced machine learning techniques Make informed architectural decisions about storage, data transfer, computation, and communication Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

Data Science for Beginners - Andrew Park 2021-12-22

Did you know that according to Harvard Business Review the Data Scientist is the sexiest job of the 21st century? And for a reason! If "sexy" means having rare qualities that are much in demand, data scientists are already there. They are expensive to hire and, given the very competitive market for their services, difficult to retain. There simply aren't a lot of people with their combination of scientific background and computational and analytical skills. Data Science is all about transforming data into business value using math and algorithms. And needless to say, Python is the must-know programming language of the 21st century. If you are interested in coding and Data Science, then you must know Python to succeed in these industries! Data Science for Beginners is the perfect place to start learning everything you need to succeed. Contained within these four essential books are the methods, concepts, and important practical examples to help build your foundation for excelling at the discipline that is shaping the modern world. This bundle is perfect for programmers, software engineers, project managers and those who just want to keep up with technology. With these books in your hands, you will: Learn Python from scratch including the basic operations, how to

install it, data structures and functions, and conditional loops Build upon the fundamentals with advanced techniques like Object-Oriented Programming (OOP), Inheritance, and Polymorphism Discover the importance of Data Science and how to use it in real-world situations Learn the 5 steps of Data Analysis so you can comprehend and analyze data sitting right in front of you Increase your income by learning a new, valuable skill that only a select handful of people take the time to learn Discover how companies can improve their business through practical examples and explanations And Much More! This bundle is essential for anyone who wants to study Data Science and learn how the world is moving to an open-source platform, even if you have never seen a line of code in your life. Jump to the next level by learning the basics of programming that will allow you to develop a data-driven approach! Order Your Copy of the Bundle Now and Start to Develop New Valuable Skills Today!

Python for Beginners - Aaron Khan 2019-11-23

Python is a powerful modern computer programming language and it is easy to learn. The syntax is simple and it allows the programmers to state their ideas in fewer lines of codes. It is an interpreted language and no compilation is necessary. It is often used as a scripting language and it is available on Windows, Mac OS and UNIX operating systems. The variable and argument declarations are not necessary as it is determined implicitly. One major advantage of using Python is that it is platform-independent and you can run it on any operating system without any issues. Many people are scared to get into any type of coding because they think that it will be too hard or that they will never be able to figure it all out. But when they take a look at Python, they see how easy coding can be. That is what this guidebook took some time to look at this, and looked at some of the different codes that you want to write with this kind of coding language. We also took it a bit of the more advanced types of coding that you can do with this language as well, ensuring that you are going to be able to get the results that you would like. There are a lot of things that you are able to do with the Python language and how you can use it with machine learning. This guidebook is going to take some time to look at all of these aspects so you can do some of the codings in the process. When you are ready to begin your journey with Python, make sure to check out this guidebook to help you get started! --->This guide will focus on the following: *Data Types and Variables *Data Structures *The Files *Types of Machine Learning *Machine Learning Algorithms *Neural Networks *If, Then Statements.... AND MORE! Scroll Up and Click the Buy Now Button to start your Journey with Python Programming!

Python Programming - Jason Test 2020-08-03

Are you looking for a super-fast computer programming course? Would you like to learn the Python Programming Language in 7 days? Do you want to increase your business thanks to the web applications? If

so, keep reading: this bundle book is for you! Finally on launch the most complete Python guide with 3 Manuscripts in 1 book: 1-Python for beginners 2-Python for Data Science 4-Python Crash Course Python will introduce you many selected practices for coding . You will discover as a beginner the world of data science, machine learning and artificial intelligence. The following list is just a tiny fraction of what you will learn in this collection bundle. 1) Python for beginners □ The basics of Python programming □ Differences among programming languages □ Vba, SQL, R, Python □ Game creation with Pyhton □ Easy-to-follow steps for reading and writing codes. □ Control flow statements and Error handling □ 4 best strategies with NumPy, Pandas, Matplotlib 2) Python for Data science □ 4 reason why Python is fundamental for Data Science □ Python design patterns □ How to use Python Data Analysis in your business □ Data visualization optimal tools and techniques □ Analysis of popular Python projects templates □ How to set up the Python environment for Data Science □ Most important Machine Learning Algorithms □ How to leverage Data Science in the Cloud 3) Python Crash Course * A Proven Method to Write your First Program in 7 Days * 5 Common Mistakes to Avoid when You Start Coding * A Simple Strategy to Write Clean, Understandable and Flexible Codes * The One Thing You Need to Debug your Codes in Python * 5 Practical exercises to start programming Even if you have never written a programming code before, you will quickly grasp the basics thanks to visual charts and guidelines for coding. Examples and step-by-step guides will guide you during the code-writing learning process. The description of each topic is crystal-clear and you can easily practice with related exercises. You will also learn all the best tricks of writing codes with point by point descriptions of the code elements. If you really wish to to learn Python and master its language, please click the BUY NOW button.

Machine Learning with Python - Mark Coding 2019-11-03

Are you tired of taking risks, hoping that it will pay off big but always being worried about the risks? Have you been hearing about some of the buzzwords in the world of business like data science, data analysis, and machine learning, but worry that this is going to be too hard for you to catch onto and learn more about? Are you looking for ways to know more about your industry, what products to release, and how to gain a competitive edge overall, without all of the risks? If this sounds like something you have dealt with, then machine learning for Python is the best option for you! This guidebook is going to dive into all of the parts of this that you need to know right now! Inside, we will explore what machine learning is all about, how to add it into Python, and so many of the algorithms and steps that you need to really make all of this a reality for your needs. Inside this guidebook, be prepared to take some of the basics of Python and machine learning, and turn yourself into an expert, someone who knows with certainty that all of your decisions are the right ones,

and who has data and information to back them all up. Some of the different topics that we will discuss in this guidebook to help make this a reality, and to ensure that we are able to learn and make good predictions, includes: The basics of machine learning and artificial intelligence. How to work with Python and machine learning to get started with all the options that work with this topic. How to work with some of the different Python machine learning algorithms that are out there for you to choose from. How to work with a model of machine learning and go through the process of having your computer learn on its own. More examples of how to work with Python and machine learning together. The importance of working with neural networks and what all of this can mean to your code. A look at deep learning and data science that can take your machine learning to the next level. The steps you need to know to get started with data pre=processing. A look at where machine learning and more will be able to help lead us to the future. Working with machine learning for Python is an important topic that a lot of businesses are diving into now more than ever. They see the value of working with data science, and what this process can do for them in terms of their success and their sound business decisions. When you are ready to learn how to use machine learning for Python for some of your business and data science needs, make sure to take a look at this guidebook to get started. Scroll the top of the page and select the Buy Now button

The Data Science Handbook - Field Cady 2017-01-20

A comprehensive overview of data science covering the analytics, programming, and business skills necessary to master the discipline Finding a good data scientist has been likened to hunting for a unicorn: the required combination of technical skills is simply very hard to find in one person. In addition, good data science is not just rote application of trainable skill sets; it requires the ability to think flexibly about all these areas and understand the connections between them. This book provides a crash course in data science, combining all the necessary skills into a unified discipline. Unlike many analytics books, computer science and software engineering are given extensive coverage since they play such a central role in the daily work of a data scientist. The author also describes classic machine learning algorithms, from their mathematical foundations to real-world applications. Visualization tools are reviewed, and their central importance in data science is highlighted. Classical statistics is addressed to help readers think critically about the interpretation of data and its common pitfalls. The clear communication of technical results, which is perhaps the most undertrained of data science skills, is given its own chapter, and all topics are explained in the context of solving real-world data problems. The book also features:

- Extensive sample code and tutorials using Python™ along with its technical libraries
- Core technologies of “Big Data,” including their strengths and limitations and how they can be used to solve real-world problems
- Coverage of the practical realities of the

tools, keeping theory to a minimum; however, when theory is presented, it is done in an intuitive way to encourage critical thinking and creativity

- A wide variety of case studies from industry
- Practical advice on the realities of being a data scientist today, including the overall workflow, where time is spent, the types of datasets worked on, and the skill sets needed

The Data Science Handbook is an ideal resource for data analysis methodology and big data software tools. The book is appropriate for people who want to practice data science, but lack the required skill sets. This includes software professionals who need to better understand analytics and statisticians who need to understand software. Modern data science is a unified discipline, and it is presented as such. This book is also an appropriate reference for researchers and entry-level graduate students who need to learn real-world analytics and expand their skill set. FIELD CADY is the data scientist at the Allen Institute for Artificial Intelligence, where he develops tools that use machine learning to mine scientific literature. He has also worked at Google and several Big Data startups. He has a BS in physics and math from Stanford University, and an MS in computer science from Carnegie Mellon.

[Introduction to Machine Learning with Python](#) - David James 2018-08-25

***** BUY NOW (will soon return to 24.78 \$)*****Free eBook for customers who purchase the print book from Amazon***** Are you thinking of learning more about Machine Learning using Python? (For Beginners) This book would seek to explain common terms and algorithms in an intuitive way. The author used a progressive approach whereby we start out slowly and improve on the complexity of our solutions. From AI Sciences Publisher Our books may be the best one for beginners; it's a step-by-step guide for any person who wants to start learning Artificial Intelligence and Data Science from scratch. It will help you in preparing a solid foundation and learn any other high-level courses. To get the most out of the concepts that would be covered, readers are advised to adopt a hands on approach which would lead to better mental representations. Step By Step Guide and Visual Illustrations and Examples This book and the accompanying examples, you would be well suited to tackle problems which pique your interests using machine learning. Instead of tough math formulas, this book contains several graphs and images which detail all important Machine Learning concepts and their applications. Target Users The book designed for a variety of target audiences. The most suitable users would include: Anyone who is intrigued by how algorithms arrive at predictions but has no previous knowledge of the field. Software developers and engineers with a strong programming background but seeking to break into the field of machine learning. Seasoned professionals in the field of artificial intelligence and machine learning who desire a bird's eye view of current techniques and approaches. What's Inside This Book? Supervised Learning Algorithms Unsupervised Learning Algorithms Semi-supervised Learning Algorithms Reinforcement Learning Algorithms Overfitting and underfitting correctness The Bias-Variance

Trade-off Feature Extraction and Selection A Regression Example: Predicting Boston Housing Prices Import Libraries: How to forecast and Predict Popular Classification Algorithms Introduction to K Nearest Neighbors Introduction to Support Vector Machine Example of Clustering Running K-means with Scikit-Learn Introduction to Deep Learning using TensorFlow Deep Learning Compared to Other Machine Learning Approaches Applications of Deep Learning How to run the Neural Network using TensorFlow Cases of Study with Real Data Sources & References Frequently Asked Questions Q: Is this book for me and do I need programming experience? A: If you want to smash Machine Learning from scratch, this book is for you. If you already wrote a few lines of code and recognize basic programming statements, you'll be OK. Q: Does this book include everything I need to become a Machine Learning expert? A: Unfortunately, no. This book is designed for readers taking their first steps in Machine Learning and further learning will be required beyond this book to master all aspects of Machine Learning. Q: Can I have a refund if this book is not fitted for me? A: Yes, Amazon refund you if you aren't satisfied, for more information about the amazon refund service please go to the amazon help platform. We will also be happy to help you if you send us an email at contact@aisciences.net. If you need to see the quality of our job, AI Sciences Company offering you a free eBook in Machine Learning with Python written by the data scientist Alain Kaufmann at <http://aisciences.net/free-books/>

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Data Science and Machine Learning with Python - Swapnil Saurav 2020-12-10

Unlock your potential as an AI and ML professional! This book covers basic to advanced level topics required to master the Machine Learning concepts. There are lot of programs implemented which goes with the explanation - thats why we call it Learn and Practice. Book uses Scikit-learn (formerly scikits.learn and also known as sklearn) is the most popular package and also a free software machine learning library for the Python programming language. It features various classification, regression and clustering algorithms including support vector machines, random forests, gradient boosting, k-means and DBSCAN, and is designed to interoperate with the Python numerical and scientific libraries NumPy and SciPy. Happy Coding in Python

Data Science, Analytics and Machine Learning with R - Luiz Favero 2023-01-16

Data Science, Analytics and Machine Learning with R explains the principles of data mining and machine learning techniques and accentuates the importance of applied and multivariate modeling. The book emphasizes the fundamentals of each technique, with step-by-step codes and real-world examples with data from areas such as medicine and health, biology, engineering, technology and related sciences. Examples use the most recent R language syntax, with recognized robust, widespread and current packages. Code

scripts are exhaustively commented, making it clear to readers what happens in each command. For data collection, readers are instructed how to build their own robots from the very beginning. In addition, an entire chapter focuses on the concept of spatial analysis, allowing readers to build their own maps through geo-referenced data (such as in epidemiologic research) and some basic statistical techniques. Other chapters cover ensemble and uplift modeling and GLMM (Generalized Linear Mixed Models) estimations, both linear and nonlinear. Presents a comprehensive and practical overview of machine learning, data mining and AI techniques for a broad multidisciplinary audience Serves readers who are interested in statistics, analytics and modeling, and those who wish to deepen their knowledge in programming through the use of R Teaches readers how to apply machine learning techniques to a wide range of data and subject areas Presents data in a graphically appealing way, promoting greater information transparency and interactive learning

Python Machine Learning - Andrew Park 2020-11-13

If you want to learn how to design and master different Machine Learning algorithms quickly and easily, then keep reading. Today, we live in the era of Artificial Intelligence. Self-driving cars, customized product recommendations, real-time pricing, speech and facial recognition are just a few examples proving this truth. Also, think about medical diagnostics or automation of mundane and repetitive labor tasks; all these highlight the fact that we live in interesting times. From research topics to projects and applications in different stages of production, there is a lot going on in the world of Machine Learning. Machines and automation represent a huge part of our daily life. They are becoming part of our experience and existence. This is Machine Learning. Artificial Intelligence is currently one of the most thriving fields any programmer would wish to delve into, and for a good reason: this is the future! Simply put, Machine Learning is about teaching machines to think and make decisions as we would. The difference between the way machines learn and the way we do is that while for the most part we learn from experiences, machines learn from data. Starting from scratch, Python Machine Learning explains how this happens, how machines build their experience and compounding knowledge. Data forms the core of Machine Learning because within data lie truths whose depths exceed our imagination. The computations machines can perform on data are incredible, beyond anything a human brain could do. Once we introduce data to a machine learning model, we must create an environment where we update the data stream frequently. This builds the machine's learning ability. The more data Machine Learning models are exposed to, the easier it is for these models to expand their potential. Some of the topics that we will discuss inside include: What is Machine Learning and how it is applied in real-world situations Understanding the differences between Machine Learning, Deep Learning, and Artificial Intelligence Supervised learning, unsupervised learning, and semi-supervised learning The place of Regression

techniques in Machine Learning, including Linear Regression in Python Machine learning training models How to use Lists and Modules in Python The 12 essential libraries for Machine Learning in Python What is the Tensorflow library Artificial Neural Networks And Much More! While most books only focus on widespread details without going deeper into the different models and techniques, Python Machine Learning explains how to master the concepts of Machine Learning technology and helps you to understand how researchers are breaking the boundaries of Data Science to mimic human intelligence in machines using various Machine Learning algorithms. Even if some concepts of Machine Learning algorithms can appear complex to most computer programming beginners, this book takes the time to explain them in a simple and concise way.

Would You Like To Know More? Scroll up and click the BUY NOW button to get your copy now!

[Python](#) - Code Academy 2020-05-17

The Ultimate Crash Course On Python That Will Have You Programming In Just 7 Days! Did you know that there are 698 programming languages? One of them that is the easiest to master is Python. Named after "Monty Python's Flying Circus", a BBC comedy series from the 1970s, learning Python is a piece of cake if you have the right teacher. And, there is no better and more straightforward teacher than this course! Python is a high-level programming language with dynamic semantics that emphasizes readability and ease of use. It can be used to develop websites, desktop GUI applications, and web applications. The syntax rules of Python allow you to express concepts without writing additional code. Unlike other programming languages, Python emphasizes code readability and this programming language allows you to use English keywords instead of punctuations. Python has an extensive and robust standard library, which makes it score over other programming languages. Besides, it is an open-source programming language that will help you curtail the cost of software development significantly. Also, Python is designed with features to facilitate data analysis and visualization. You can use it to create custom big data solutions without putting extra time and effort. So, what stops you from using Python to design amazing apps? Here is the problem you face: Most people are intimidated by the thought of learning how to program because it seems incredibly complicated. While programming terminologies can be intimidating at first, they're actually quite easy to learn. Once you understand the fundamentals, everything else will be much easier. Don't let your fear of trying something new stop you! If you have a great idea for a program or an app, but you don't know how to bring it to life, this book will be your savior. In his book, Oliver teaches you everything there is to know about Python machine learning, data science, data analysis, and programming. Once you get the hang of the basics, this crash course will help you use all this knowledge for practical tasks and start programming in seven days! Here's what you'll discover inside this book: The Basics of Machine Learning: learn how to use classification

algorithms and create data pipelines that are essential to machine learning Essential Skills for Python Programming: a straightforward guide that will turn you from a rookie into an expert in Python programming and coding How to Master Data Science: lessons that will teach you how to collect data from scratch, improve your skills, and become an unprecedented data scientist And much more! This book is not for people who want to learn what is programming. It is for those who dream of becoming expert programmers without spending months learning the basics. The thing is, you can't learn how to program overnight. But, if you set aside some time every day to read this book and practice, then you'll be able to start developing your programs and apps in no time! If you're ready to start this journey then... Scroll up, click on "Buy Now with 1-Click", and Get Your Copy Now!

[Learn Python](#) - Eric Wall 2020-10-07

Are you interested in software development? Are you getting attracted to learning what artificial intelligence is? Do you like to master Python coding? If that's the case, this book, LEARN PYTHON: Crash Course and Coding is the answer to your concerns! Allow this book to bring you the Python language without a fuss and explore the realm of artificial intelligence, machine learning, and data science! You will find a plethora of languages you could work when we talk about coding. However, none are going to offer you the advantages you'll get with Python coding. The language is extraordinarily sought-after and utilized so often. Did you know a few operating systems, which have some version of Python seen on them for you to use? That could make it simpler to learn some of the coding done that you'd wish and will guarantee you'll receive the best advantages out of it in no time. Keep in mind that the Python language isn't just challenging to read. Inside this book, you will realize that it's a simple job to read some of the various parts of the language. That's especially true even if you're a beginner and haven't been able to work with the language ever. The best part here is that you'll still be able to check some of the systems and see that you understand the details quite well. Here's a preview of what you'll find in this book: - How To Install Python On Windows - Variables And Simple Data Types; - Functions In Python; - Testing Your Code; - Data Science With Python And Machine Learning; - Web Applications; - Tips And Tricks To Get The Most Out Of Python; - Inheritances In Python - Python-Specific Definitions - - Analysis Using Panda - Python Machine Learning - Algorithms - Data Files - How To Read Errors And Troubleshooting Your Code - And So Much More! This book is intended for beginners, students, and even professionals who wish to understand how to code and use it to solve challenging real-life concerns. What are you waiting for? Scroll this page and click BUY NOW to get started!

[Python for Beginners](#) - Hacktech Academy 2021-03-16

📦 55% OFF for Bookstores! NOW at \$ 24,95 instead of \$ 38,70 📦 Are you new to software development?

Are you curious about learning what artificial intelligence is? Do you want to master the Python programming language? Well, this book is your best choice! Learning to code is essential to keep up with the times, increasing the opportunities that life has to offer you. Whether you are a tech enthusiast, enterprising student, or entrepreneur, if you choose to learn Python you are making the right and winning choice. Web development? Artificial intelligence? Automation and IoT? Python is all of this and more! Did you know that Python is one of the languages behind extremely popular services and websites like Instagram, YouTube, Reddit, and Mozilla? In this book, you will: Clearly and Easily Understand What Python Is and How It Works, starting from the instructions to correctly install it on your PC to show you how it runs and works. Discover Secret Tips and Tricks to Get Started with Python for Beginners to enhance your skills and help you with daily data science tasks. If you want to make your Python coding more efficient, do not miss these tips/tricks! Learn the Best Machine Learning Algorithms for Beginners with Coding Samples in Python; it is excellent for algorithmic design, as it is used extensively in data science and machine learning technologies. Learn How Python Makes Decisions to Control Flow in Programming. It is crucial to control the program execution because, in real scenarios, the situations are full of conditions, and if you want your program to mimic the real world closer, then you need to transform those real-world situations into your program. ... & Lot More! Your Customers will never stop using this book. Python was designed not only to be simple to understand but also fun to use. You can create prototypes and mini-programs very quickly, to immediately experience real satisfaction. It is thanks to this simplicity that it has gained not only a great deal of popularity but also a reputation as an "easy to learn language". You have only to click on the BUY NOW button Order Your Copy Now to Make Your Customer Starting Coding like a PRO!

Python Programming - Mike Cowley 2019-10-29

Take the guesswork out of learning how to code and get ready for a fulfilling career in the tech industry! If you're new to programming and are trying to choose the best language to learn first and have no idea where to begin, or you're looking for the next programming language to master, then this guide is for you. In Python Programming, Mike Cowley shows you how to break into the most relevant, fast-growing fields such as machine learning, data science and artificial intelligence, all of which heavily use the Python programming language. Here's a snippet of what you're going to learn in Python Programming Everything you need to know about the Python programming language Why the Python programming language is perfect as the first language for coding as beginners How to learn Python for machine learning, big data and web development How to download, install and set up Python on your computer for Windows, Mac and Linux Common terms in the Python programming language you need to know about How to run your very first Python program How to

master variables, operators, functions and modules A crash guide to Python data types-integers, float, strings, etc How to carry out file handling using the Python language Programming graphics and using graphical objects in Python ...and tons more! Even if you're completely new to programming and have never written a single line of code in your entire life or you have some experience programming in other languages and want to add another programming language to your skill set, this guide will show you everything you need to get started building real-world software with Python. Scroll up to the top of the page and click the "Buy Now" button to get your copy today!

Foundational Python for Data Science - Kennedy Behrman 2021

Data science and machine learning - two of the world's hottest fields - are attracting talent from a wide variety of technical, business, and liberal arts disciplines. Python, the world's #1 programming language, is also the most popular language for data science and machine learning. This is the first guide specifically designed to help students with widely diverse backgrounds learn foundational Python so they can use it for data science and machine learning. This book is catered to introductory-level college courses on data science. Leading data science instructor and practitioner Kennedy Behrman first walks through the process of learning to code for the first time with Python and Jupyter notebook, then introduces key libraries every Python data science programmer needs to master. Once students have learned these foundations, Behrman introduces intermediate and applied Python techniques for real-world problem-solving. Throughout, Foundational Python for Data Science presents hands-on exercises, learning assessments, case studies, and more - all created with colab (jupyter compatible) notebooks, so students can execute all coding examples interactively without installing or configuring any software.

QUANTUM PHYSICS WITH PYTHON - Jason Test 2021-05-29

📢 55% OFF for Bookstores! LAST DAYS! 📢 "Your Client Will Appreciate This fabulous guide with unique contents" "Master the best methods for PYTHON. Learn how to programming as a pro and get positive ROI in 7 days with data science and machine learning" Are you looking for a super-fast computer programming course? Would you like to learn the Python Programming Language in 7 days? Do you want to increase your business thanks to the web applications? Finally on launch the most complete Python+Quantum Physics guide with 3 Manuscripts in 1 book! This is a challenging tool to find real help with many unique contents that indirectly will answer to your doubts: 1-Python for Data Science 2-Python Crash Course 3-Quantum Physics for Beginners QUANTUM PHYSICS WITH PYTHON will introduce you many selected practices for coding. You will discover as a beginner the world of data science, machine learning and artificial intelligence. The following list is just a tiny fraction of what you will learn in this collection bundle. 1) PYTHON CRASH

COURSE

- 3 reasons why Python is fundamental for Data Science
- How to use Python Data Analysis in your business
- How to set up the Python environment for Data Science
- Most important Machine Learning Algorithms

2) PYTHON FOR DATA SCIENCE

- A Proven Method to Write your First Program in 7 Days
- The One Thing You Need to Debug your Codes in Python
- 5 Practical exercises to start programming

3) QUANTUM PHYSICS FOR BEGINNERS

- The law and principles of quantum physics and the law of attraction;
- The power of quantum
- Differences between Quantum cryptography and Quantum computers

Examples and step-by-step guides will guide you during the code-writing learning process.

Foundations of Machine Learning, second edition - Mehryar Mohri 2018-12-25

A new edition of a graduate-level machine learning textbook that focuses on the analysis and theory of algorithms. This book is a general introduction to machine learning that can serve as a textbook for graduate students and a reference for researchers. It covers fundamental modern topics in machine learning while providing the theoretical basis and conceptual tools needed for the discussion and justification of algorithms. It also describes several key aspects of the application of these algorithms. The authors aim to present novel theoretical tools and concepts while giving concise proofs even for relatively advanced topics. Foundations of Machine Learning is unique in its focus on the analysis and theory of algorithms. The first four chapters lay the theoretical foundation for what follows; subsequent chapters are mostly self-contained. Topics covered include the Probably Approximately Correct (PAC) learning framework; generalization bounds based on Rademacher complexity and VC-dimension; Support Vector Machines (SVMs); kernel methods; boosting; on-line learning; multi-class classification; ranking; regression; algorithmic stability; dimensionality reduction; learning automata and languages; and reinforcement learning. Each chapter ends with a set of exercises. Appendixes provide additional material including concise probability review. This second edition offers three new chapters, on model selection, maximum entropy models, and conditional entropy models. New material in the appendixes includes a major section on Fenchel duality, expanded coverage of concentration inequalities, and an entirely new entry on information theory. More than half of the exercises are new to this edition.

Step Up for Leadership in Enterprise Data Science & Artificial Intelligence with Big Data - Shitalkumar R Sukhdeve 2020-11-27

Review: "I would recommend this book to all prospective data scientists - as well as those software professionals who choose to transfer or migrate to the domain of data science. It is a useful addition to the body of work already available to guide project managers of data science projects." Lt Col (Dr) Rajesh Kapur (Retd), AI Investor, Asst. Prof. TIMSCDR, Hyderabad, India "It's a masterpiece of work for the aspiring leaders of data science and AI. It's also a guide for executives and investors to get maximum value from their

investment in AI. Beginners in data science can also get the most out of this book.", Jay Ojha, Business intelligence and analytics manager, HCL Infosystem Ltd

Why should you read this book? 87% of data science project fails to make to production in enterprises. Only 50% is the data leadership success rate. Is it not surprising to know when data science and AI are in the top trend? If you are looking for a career in data science or looking for leadership, these insights may disturb you. Don't worry, "Step up for Leadership in Enterprise Data Science & Artificial Intelligence with Big Data." will -Burst the myths around data science, AI & big data-Presents the real business scenarios -Take you on the journey of data science, AI & big data even if you are an ultimate beginner.-Introduce you to the essential skills of success in this field -Develop a leadership mindset by cutting edge methodologies & strategies-Make you aware of technical trends around it-Develop technical skills with R, Python, Machine learning with big data as well as business skills-Reduce failure possibility and increase the chance of success by covering the 360 degrees view of the field. Each day counts. So as your steps. Step up immediately and begin your journey to your dreams of data science and AI.

Data Science for Marketing Analytics - Mirza Rahim Baig 2021-09-07

Turbocharge your marketing plans by making the leap from simple descriptive statistics in Excel to sophisticated predictive analytics with the Python programming language

Key Features

- Use data analytics and machine learning in a sales and marketing context
- Gain insights from data to make better business decisions
- Build your experience and confidence with realistic hands-on practice

Book Description

Unleash the power of data to reach your marketing goals with this practical guide to data science for business. This book will help you get started on your journey to becoming a master of marketing analytics with Python. You'll work with relevant datasets and build your practical skills by tackling engaging exercises and activities that simulate real-world market analysis projects. 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. As well as learning how to clean, explore, and visualize data, you'll implement machine learning algorithms and build models to make predictions. 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. 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 learn

- Load, clean, and explore sales and marketing data using pandas
- Form and test hypotheses using real data sets and analytics tools
- Visualize patterns in customer behavior using Matplotlib
- Use advanced machine learning models like random forest and SVM
- Use various unsupervised learning algorithms for customer segmentation
- Use supervised learning techniques for

sales prediction Evaluate and compare different models to get the best outcomes Optimize models with hyperparameter tuning and SMOTE Who this book is for This marketing book is for anyone who wants to learn how to use Python for cutting-edge marketing analytics. 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. Basic prior knowledge of Python and experience working with data will help you access this book more easily.

Data Science from Scratch - G S Collins 2020-01-13

Become the master of machine learning with this powerful guide. Do you want to know more about neural networks? Have you heard of machine learning, but you're not sure where to begin? Written with the beginner in mind, this detailed guide breaks down everything you need to know about deep and machine learning in a simple, easy-to-understand way. Machine learning is a fascinating and ever-growing field, and its development will shape our futures. Now, you can understand what makes this topic so powerful no matter your level of experience. Using the popular and much-loved programming language Python, inside this comprehensive guide, you will: Learn How to Get Started with Jupyter Notebooks Understand Python Using Various Data Structures Perform Object Oriented Programming Using Python Use The Most Common Libraries Including Numpy, Matplotlib, and Pandas Learn and Recap on The Basics of Linear Algebra and Statistics Comprehend Machine Learning Algorithms Like Linear Regression, Logistic Regression, K-nearest neighbors and Decision Trees Discover Deep Learning Concepts Like Convolutional Neural Networks and Recurrent Neural Networks Implement CNNs and RNNs using Keras Deep Learning Framework And More! With a wide variety of vital topics, this book is your all-in-one ticket to understanding machine learning. Plus, you'll also learn bonus content, such as Generative Adversarial Network (GAN) models and why they're so important. With simple explanations designed to get you comfortable with the maths and statistics behind machine learning, this book is perfect for both the novice and the pro! So what are you waiting for? Buy now to begin your machine learning journey today!

Python for Data Science - Computer Science Academy 2019-12-16

If you are looking to master the fundamental concepts of Data Science driven by the Python programming language to develop a solid understanding of all the latest cutting edge technologies, then this is just that one comprehensive book you have been waiting for. This book is carefully written to help you master the core concepts of Python programming and utilize your coding skills to analyze a large volume of data and uncover valuable information that can otherwise be easily lost in such volume even if you have never learned any programming languages before. Python has been designed primarily to emphasize readability of the

programming code and its syntax will enable you to convey ideas using fewer lines of code. If you are looking to learn how to write effective and efficient codes in Python and master this extremely intuitive and flexible programming language that can be used for a variety of coding projects including machine learning algorithms, web applications, data mining and visualization, game development. Then this is just the book that you need. Some of the highlights of this book include: The five major stages of the TDSP lifecycle that outline the interactive steps required for project execution along with the deliverables created at each stage. Installation instructions for Python so you can download and install Python on your operating system and get hands-on coding experience. Python coding concepts such as data types, classes, and objects variables, numbers, constructor functions, Booleans and much more. Learn the functioning of various data science libraries like Scikit-Learn, which has evolved as the gold standard for machine learning and data analysis. Deep dive into the Matplotlib library, which offers visualization tools and science computing modules supported by SciPy and learn how to create various graphs using Matplotlib and Pandas library. Learn how machine learning allows analysis of large volumes of data and delivers faster and more accurate results. Overview of four different machine learning algorithms that can be used to cater to the available data set and create a desired machine learning model. Learn how companies are able to employ a predictive analytics model to gain an understanding of customer interactions with their products or services based on customer's feelings or emotions shared on the social media platforms. Every concept in this book is explained with examples and exercises so you can learn and test your learning at the same time. There are a variety of real life examples of the application of machine learning technology that has been provided to help you understand the importance of all the cutting edge technologies in shaping our world today. Remember, knowledge is power, and with the great power you will gather from this book, you will be armed to make sound personal and professional technological choices. Your Python programming skillset will improve drastically, and you will be poised to develop your very own machine learning model in no time. So don't wait and click on that BUY NOW button! Then be a good Samaritan, and spread the word to your tech-savvy friends and family, help them get access to this power!

Machine Learning with Python - Dan Phillips 2021-01-13

Are you completely new to Python Programming or do you want to expand your knowledge in the incredible world of Machine Learning? If you would like to start Programming or learn about Machine Learning and its algorithms but may seem to be a struggle, don't worry! Thanks to this complete guide with practical projects and examples you will finally solve your problems! These 2 Books in 1 will teach you fundamental and advance information to master the easiest Programming language, Artificial Intelligence, Data Science and

Machine Learning. Avoid the main mistakes everybody makes and stop waste your precious time and money in expensive online courses. This is what you will find in this step-by-step guide: Why Python and Machine Learning are a successful combo The secrets of the Machine Learning's Success The Best Trick and practice for Python Programming ... and that's not all! The Importance of Artificial Intelligence nowadays Solutions for Small Businesses Using Data Science The best Algorithms to use ...and much more!!! Take advantage of this Guide and discover this fantastic world! What are you waiting for? Press the Buy-Now button and get started!

[Python Crash Course](#) - Eric Wall 2020-09-30

Are you one of those people who are ready to uncover the keys to the future? Perhaps you are seeking a quick way to computer programming course. Would you want to learn about python in a short time? If your answer is yes, then this book Python Crash Course: A beginner's guide to master the basics of python and data science. Learn coding with this machine learning tool. Discover the endless possibilities of computers and codes might be suitable for you! Allow this book to bring you the Python language without a fuss and explore the realm of artificial intelligence, machine learning, and data science! One of the best things about

this book is that it will share with you vital lessons you need to build basic programming structures. These days, you will find essential tools you should have in place to fix day-to-day problems. Guess what? One of such skills involves learning the proper programming language. Can you visualize the things you could do if you'd knew how to make a simple instruction with the use of your computer? Imagine the things you could accomplish if you'd build from scratch something that would fix problems in a blink of an eye. That would be amazing, right? No frontiers, no boundaries, no limits. You see, it's a new world of possibilities in front of you! Here's a quick overview of what you will learn in this book: What Can You Do With Python Programming?; Variables And Simple Data Types; Functions In Python; Conditional Statements In Python And Control Flow Statements; How To Define A Class?; Testing Your Code; Data Science With Python And Machine Learning; Web Applications; Tips And Tricks To Get The Most Out Of Python; And So Much More! You will surely grasp the fundamentals thanks to easy to understand guide in this book, especially if you have never created a programming code before. There's no time to waste. Get this book to get started. Click BUY NOW above! Version with the inside of the book in color