

Text Analytics With Python A Practical Real World Approach

CODING FOR BEGINNERS USING PYTHON Machine Learning With Python: A Hands-on Introduction Python Programming Data Science Projects with Python Data Visualization with Python and JavaScript Machine Learning with Python Eye-Tracking with Python and Pylink Rapid GUI Programming with Python and Qt Natural Language Processing with Python and spaCy Get Programming Modern Data Architectures with Python Introduction to Machine Learning with Python Data Wrangling with Python Machine Learning with Python Modernizing Oracle Tuxedo Applications with Python Machine Learning with Python Mastering OpenCV 4 with Python Python Programming Learning Python Python *Mark Matthes Siddharth Savyasachi Malu & Sanjay Kumar Pandey Daniel O'Reilly Stephen Klosterman Kyran Dale Oliver Theobald Zhiguo Wang Mark Summerfield Yuli Vasiliev Ana Bell Brian Lipp Andreas C. Müller Jacqueline Kazil Russel R Russo Aivars Kalvans Mark Coding Alberto Fernández Villán Daniel O'Reilly Fabrizio Romano Charlie Masterson*

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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 there may be a lot of different languages that you can work with when it comes to the coding that you would like to work with but none are going to provide you with the benefits that you are working with this language is so popular and used so often that there are a few different operating systems that already have some version of python found on them for you to use this can make it easier to get some of the coding done that you would like and will ensure that you will get the best benefits out of it in no time this book covers what is python and his history and why learn python getting started with python variables and operators basic operators data types in python and so much more the python language is more natural to read if you take a look through some of the codes that we have later on in this guidebook you will find that this is an easy task to read through some of the different parts of the law even if you have not been able to work with this language before you will still be able to look at some of the systems and notice that you recognize the parts as well the program is open source this means that you won't have to worry about someone taking over the code and ruining it it also means that the original python is free and available to anyone who wants to download it if you are curious about this world then click and get your copy now

embark on an exciting journey into the world of machine learning with machine learning with python a hands on introduction your guide to demystifying complex concepts and turning data into actionable insights picture yourself stepping into the fascinating realm of data exploration and visualisation it's like embarking on a thrilling adventure where you'll learn the language of statistics and uncover hidden patterns in your data preparing you for the challenges ahead as you venture further you'll be introduced to the heroes of supervised machine learning from the dependable linear regression to the versatile tree based methods each chapter is

designed to build your confidence like mastering a new skill that empowers you to make sense of the world around you step by step but wait there s more unit iii invites you to meet the geniuses of the machine learning world neural networks imagine diving into the inner workings of these digital brains understanding how they learn and adapt just like we humans do as the journey progresses you ll encounter unsupervised learning where data reveals its secrets without guidance it s like exploring uncharted territory where every discovery brings you closer to understanding the mysteries of your data and fear not weary traveller for our appendices are like trusty companions ready to assist you on your quest from python basics to advanced data wrangling and visualisation techniques they re here to lend a helping hand whenever you need them so whether you re a curious beginner or a seasoned explorer machine learning with python a hands on introduction promises an adventure like no other join us and together let s unlock the power of data and embark on a thrilling journey of discovery and innovation

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everything up and running essential tools guide learn how to use the best tools that are available for programming with python programming made easy quick and easy way to learn how to make amazing and useful programs mastering the art of programming find out how to go from beginner to pro in no time with unique coding methods practical techniques and exercises put your knowledge to test and bring your ideas to life in no time it doesn't matter if you are a beginner or you have never coded before this guide will slowly ease you into the world of python and data science while most of the other similar books focus purely on theory and complicated concepts these guides focus on a more practical approach to learning python and data science first of all you'll learn basic programming concepts such as variables lists classes and loops then you will practice clean code writing and how to test your code safely after that you'll be able to put your knowledge to the test with some practical projects here is what else this bundle will show you the basics of data types variables and structures how to properly define the data type of data structure suitable types of operations and functions for data structuring methods and applications of data analysis the basics of neural networks and how to create one use of algorithm and models in data science using data for prediction and deep learning the best thing about python is that it's easy to learn and even easier to get up and running by using tools like django for example you can quickly bring your ideas and creations to life and start monetizing them in no time the second best thing about learning how to program in python is the advantage you'll have when you start learning other programming languages after you master python learning different programming languages will be a piece of cake if you want to conquer the python programming language in no time all you have to do is take these guides in your hands and follow the step by step instructions get your copy now

gain hands on experience of python programming with industry standard machine learning techniques using pandas scikit learn and xgboost key features think critically about data and use it to form and test a hypothesis choose an appropriate machine learning model and train it on your data communicate data driven insights with confidence and clarity book description if data is the new oil then machine learning is the drill as companies gain access to ever increasing quantities of raw

data the ability to deliver state of the art predictive models that support business decision making becomes more and more valuable in this book you'll work on an end to end project based around a realistic data set and split up into bite sized practical exercises this creates a case study approach that simulates the working conditions you'll experience in real world data science projects you'll learn how to use key python packages including pandas matplotlib and scikit learn and master the process of data exploration and data processing before moving on to fitting evaluating and tuning algorithms such as regularized logistic regression and random forest now in its second edition this book will take you through the end to end process of exploring data and delivering machine learning models updated for 2021 this edition includes brand new content on xgboost shap values algorithmic fairness and the ethical concerns of deploying a model in the real world by the end of this data science book you'll have the skills understanding and confidence to build your own machine learning models and gain insights from real data what you will learn load explore and process data using the pandas python package use matplotlib to create compelling data visualizations implement predictive machine learning models with scikit learn use lasso and ridge regression to reduce model overfitting evaluate random forest and logistic regression model performance deliver business insights by presenting clear convincing conclusions who this book is for data science projects with python second edition is for anyone who wants to get started with data science and machine learning if you're keen to advance your career by using data analysis and predictive modeling to generate business insights then this book is the perfect place to begin to quickly grasp the concepts covered it is recommended that you have basic experience of programming with python or another similar language and a general interest in statistics

learn how to turn raw data into rich interactive web visualizations with the powerful combination of python and javascript with this hands on guide author kyran dale teaches you how build a basic dataviz toolchain with best of breed python and javascript libraries including scrapy matplotlib pandas flask and d3 for crafting engaging browser based visualizations as a working example throughout the book dale walks you through transforming wikipedia's table based list of nobel prize

winners into an interactive visualization you'll examine steps along the entire toolchain from scraping cleaning exploring and delivering data to building the visualization with javascript's d3 library if you're ready to create your own web based data visualizations and know either python or javascript this is the book for you learn how to manipulate data with python understand the commonalities between python and javascript extract information from websites by using python's web scraping tools beautifulsoup and scrapy clean and explore data with python's pandas matplotlib and numpy libraries serve data and create restful web apis with python's flask framework create engaging interactive web visualizations with javascript's d3 library

unlock the secrets of data science and machine learning with our comprehensive python course designed to take you from basics to complex algorithms effortlessly key features navigate through python's machine learning libraries effectively learn exploratory data analysis and data scrubbing techniques design and evaluate machine learning models with precision book description the course starts by setting the foundation with an introduction to machine learning python and essential libraries ensuring you grasp the basics before diving deeper it then progresses through exploratory data analysis data scrubbing and pre model algorithms equipping you with the skills to understand and prepare your data for modeling the journey continues with detailed walkthroughs on creating evaluating and optimizing machine learning models covering key algorithms such as linear and logistic regression support vector machines k nearest neighbors and tree based methods each section is designed to build upon the previous reinforcing learning and application of concepts wrapping up the course introduces the next steps including an introduction to python for newcomers ensuring a comprehensive understanding of machine learning applications what you will learn analyze datasets for insights scrub data for model readiness understand key ml algorithms design and validate models apply linear and logistic regression utilize k nearest neighbors and svms who this book is for this course is ideal for aspiring data scientists and professionals looking to integrate machine learning into their workflows a basic understanding of python and statistics is beneficial

several python programming books feature tools designed for experimental psychologists what sets this book apart is its focus on eye tracking eye tracking is a widely used research technique in psychology and neuroscience labs research grade eye trackers are typically faster more accurate and of course more expensive than the ones seen in consumer goods or usability labs not surprisingly a successful eye tracking study usually requires sophisticated computer programming easy syntax and flexibility make python a perfect choice for this task especially for psychology researchers with little or no computer programming experience this book offers detailed coverage of the pylink library a python interface for the gold standard eyelink eye trackers with many step by step example scripts this book is a useful reference for eye tracking researchers but you can also use it as a textbook for graduate level programming courses

whether you re building gui prototypes or full fledged cross platform gui applications with native look and feel pyqt 4 is your fastest easiest most powerful solution qt expert mark summerfield has written the definitive best practice guide to pyqt 4 development with rapid gui programming with python and qt you ll learn how to build efficient gui applications that run on all major operating systems including windows mac os x linux and many versions of unix using the same source code for all of them summerfield systematically introduces every core gui development technique from dialogs and windows to data handling from events to printing and more through the book s realistic examples you ll discover a completely new pyqt 4 based programming approach as well as coverage of many new topics from pyqt 4 s rich text engine to advanced model view and graphics view programming every key concept is illuminated with realistic downloadable examples all tested on windows mac os x and linux with python 2.5 qt 4.2 and pyqt 4.2 and on windows and linux with qt 4.3 and pyqt 4.3

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get programming learn to code with python teaches you the basics of computer programming using the python language in this exercise driven book you ll be doing something on nearly every page as you work through 38 compact lessons and 7 engaging capstone projects by exploring the crystal clear illustrations exercises that check your understanding as you go and tips for what to try next you ll start thinking like a programmer in no time this book works perfectly alongside our video course get programming with python in motion available exclusively at manning com manning com livevideo get programming with python in motion purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications what s inside programming skills you can use in any language learn to code no experience required learn python the language for beginners dozens of exercises and examples help you learn by doing about the reader no prior programming experience needed table of contents learning how to program lesson 1 why should you learn how to program lesson 2 basic principles of learning a programming language unit 1 variables types expressions and statements lesson 3 introducing python a programming language lesson 4 variables and expressions giving names and values to things lesson 5 object types and statements

of code 46 lesson 6 capstone project your first python program convert hours to minutes unit 2 strings tuples and interacting with the user lesson 7 introducing string objects sequences of characters lesson 8 advanced string operations lesson 9 simple error messages lesson 10 tuple objects sequences of any kind of object lesson 11 interacting with the user lesson 12 capstone project name mashup unit 3 making decisions in your programs lesson 13 introducing decisions in programs lesson 14 making more complicated decisions lesson 15 capstone project choose your own adventure unit 4 repeating tasks lesson 16 repeating tasks with loops lesson 17 customizing loops lesson 18 repeating tasks while conditions hold lesson 19 capstone project scrabble art edition unit 5 organizing your code into reusable blocks lesson 20 building programs to last lesson 21 achieving modularity and abstraction with functions lesson 22 advanced operations with functions lesson 23 capstone project analyze your friends unit 6 working with mutable data types lesson 24 mutable and immutable objects lesson 25 working with lists lesson 26 advanced operations with lists lesson 27 dictionaries as maps between objects lesson 28 aliasing and copying lists and dictionaries lesson 29 capstone project document similarity unit 7 making your own object types by using object oriented programming lesson 30 making your own object types lesson 31 creating a class for an object type lesson 32 working with your own object types lesson 33 customizing classes lesson 34 capstone project card game unit 8 using libraries to enhance your programs lesson 35 useful libraries lesson 36 testing and debugging your programs lesson 37 a library for graphical user interfaces lesson 38 capstone project game of tag appendix a answers to lesson exercises appendix b python cheat sheet appendix c interesting python libraries

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many python developers are curious about what machine learning is and how it can be concretely applied to solve issues faced in businesses handling medium to large amount of data machine learning with python teaches you the basics of machine learning and provides a thorough hands on understanding of the subject you ll learn important machine learning concepts and algorithms when to use them and how to use them the book will cover a machine learning workflow data preprocessing and working with data training algorithms evaluating results and implementing those algorithms into a production level system

how do you take your data analysis skills beyond excel to the next level by learning just enough python to get stuff done this hands on guide shows non programmers like you how to process information that s initially too messy or difficult to access you don t need to know a thing about the python programming language to get started through various step by step exercises you ll learn how to acquire clean analyze and present data efficiently you ll also discover how to automate your data process schedule file editing and clean up tasks process larger datasets and create compelling stories with data you obtain quickly learn basic python syntax data types and language concepts work with both machine readable and human consumable data scrape websites and apis to find a bounty of useful information clean and format data to eliminate duplicates and errors in your datasets learn when to standardize data and when to test and script data cleanup explore and analyze your datasets with new python libraries and techniques use python solutions to automate your entire data wrangling process

are you fascinated by machine learning but it seems too complicated do you have some coding skills but you want to go deeper in python and machine learning if this is you please keep reading you are in the right place looking at the right book since you are reading this you are probably aware of how important artificial intelligence is in these days in your everyday life artificial intelligence is all around you every time you buy a product on amazon follow a new profile on instagram listen to a song on spotify or reserve a room on booking they are learning something out of your behavior and these are just the most visible aspects of how machine learning is having an impact on our lives everyone knows well almost everyone how important machine learning is for the growth and success of the biggest tech companies and many people know about the machine learning impact in science medicine and statistics also it is quite commonly known that artificial intelligence machine learning and the mastering of their most important language python can offer a lot of possibilities in work and business and you yourself are probably thinking i surely can see that opportunity but how can i seize it well if you kept reading so far you are on the right track to answer your question in machine learning with python you will find why python is the best language for machine learning how to bring your

ideas into a computer the smartest way to approach machine learning how to deal with variables and data tips and tricks for a smooth and painless journey into artificial intelligence the most common myths about machine learning debunked so whether you decided to start now or to go deeper into artificial intelligence machine learning and python programming you will only have two unanswered questions right now what is the best way to do it and when is the best time to start an easy clear and complete guide as machine learning with python is the answer to your first question and about the second one well that s an easy one the best time is now download machine learning with python now and start mastering the secrets of artificial intelligence scroll to the top of the page and click the buy now button

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understand oracle tuxedo as a microservice platform develop oracle tuxedo applications using python 3 perform administration tasks programmatically with python 3 extract tuxedo statistics for monitoring application performance integrate tuxedo into the modern software ecosystem understand how distributed transactions work in tuxedo who this book is for this book is for developers who are new to tuxedo and are looking to develop a new modern front end or integrate tuxedo in their applications the book will also help experienced tuxedo c or cobol developers to improve their productivity and qa engineers to automate tuxedo application tests beginner level knowledge of python and linux shell is required before getting started with this book

are you tired of taking risks hoping things will pay off big but you are always 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 they will 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 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 we will discuss in this guidebook to help make this a reality and to ensure we can 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 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 preprocessing 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 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

create advanced applications with python and opencv exploring the potential of facial recognition machine learning deep learning web computing and augmented reality key features develop your computer vision skills by mastering algorithms in open source computer vision 4 opencv 4 and python apply machine learning and deep learning techniques with tensorflow and keras discover the modern design patterns you should avoid when developing efficient computer vision applications book description opencv is considered to be one of the best open source computer vision and machine learning software libraries it helps developers build complete projects in relation to image processing motion detection or image segmentation among many others opencv for python enables you to run computer vision algorithms smoothly in real time combining the best of the opencv c api and the python language in this book you ll get started by setting up opencv and delving into the key concepts of computer vision you ll then proceed to study more advanced concepts and discover the full potential of opencv the book will also introduce you to the creation of advanced applications using python and opencv enabling you to develop applications that include facial recognition target tracking or augmented reality next you ll learn machine learning techniques and concepts understand how to apply them in real world examples and also explore their benefits including real time data production and faster data processing you ll also discover how to translate the functionality provided by opencv into optimized application code projects using python bindings toward the concluding chapters you

ll explore the application of artificial intelligence and deep learning techniques using the popular python libraries tensorflow and keras by the end of this book you ll be able to develop advanced computer vision applications to meet your customers demands what you will learn handle files and images and explore various image processing techniques explore image transformations including translation resizing and cropping gain insights into building histograms brush up on contour detection filtering and drawing work with augmented reality to build marker based and markerless applications work with the main machine learning algorithms in opencv explore the deep learning python libraries and opencv deep learning capabilities create computer vision and deep learning web applications who this book is for this book is designed for computer vision developers engineers and researchers who want to develop modern computer vision applications basic experience of opencv and python programming is a must

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dynamic and varied nature it reads easily and lays a good foundation for those who are interested in digging deeper it has a practical and example oriented approach through which both the introductory and the advanced topics are explained starting with the fundamentals of programming and python it ends by exploring very different topics like guis web apps and data science the book takes you all the way to creating a fully fledged application the book begins by exploring the essentials of programming data structures and teaches you how to manipulate them it then moves on to controlling the flow of a program and writing reusable and error proof code you will then explore different programming paradigms that will allow you to find the best approach to any situation and also learn how to perform performance optimization as well as effective debugging throughout the book steers you through the various types of applications and it concludes with a complete mini website built upon all the concepts that you learned what you will learn get python up and running on windows mac and linux in no time grasp the fundamental concepts of coding along with the basics of data structures and control flow write elegant reusable and efficient code in any situation understand when to use the functional or the object oriented programming approach create bulletproof reliable software by writing tests to support your code explore examples of guis scripting data science and web applications learn to be independent capable of fetching any resource you need as well as dig deeper who this book is for python is the most popular introductory teaching language in u s top computer science universities so if you are new to software development or maybe you have little experience and would like to start off on the right foot then this language and this book are what you need its amazing design and portability will help you become productive regardless of the environment you choose to work with

have you been coding for awhile now but could still use some useful python coding tips do you have some basic knowledge with python and want to learn more if you answered yes to any of these questions then look no further this book is for you in this definitive python intermediate level guide you re about to discover several different tips and tricks to help improve your work with python you will find coding in each chapter that helps with a certain application each chapter will cover

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