Modeling Techniques In Predictive Analytics With Python And R A To Data Science

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Workshop Data Wrangling with Python Machine Learning with Python *Bassem Aly Al Sweigart Mark Summerfield Charlie Masterson Yuli Vasiliev Alan Clements John C. Shovic Kyran Dale Dan Nixon Daniel O'Reilly Timothy Eastridge Jonathan Rioux Luca Zavarella Peter Jones Oliver Theobald Robert S. Sutor Andrew Bird Jacqueline Kazil Russel R Russo*

invent your own python scripts to automate your infrastructure key features make the most of python libraries and modules to automate your infrastructure leverage python programming to automate server configurations and administration tasks efficiently develop your python skill set book description hands on enterprise automation with python starts by covering the set up of a python environment to perform automation tasks as well as the modules libraries and tools you will be using we ll explore examples of network automation tasks using simple python programs and ansible next we will walk you through automating administration tasks with python fabric where you will learn to perform server configuration and administration along with system administration tasks such as user management database management and process management as you progress through this book you ll automate several testing services with python scripts and perform automation tasks on virtual machines and cloud infrastructure with python in the concluding chapters you will cover python based offensive security tools and learn how to automate your security tasks by the end of this book you will have mastered the skills of automating several system administration tasks with python what you will learn understand common automation modules used in python develop python scripts to manage network devices automate common linux administration tasks with ansible and fabric managing linux processes administrate vmware openstack and aws instances with python security automation and sharing code on github who this book is for hands on enterprise automation with python is for system administrators and devops engineers who are looking for an alternative to major automation frameworks such as puppet and chef basic programming knowledge with python and linux shell scripting is necessary

learn how to code while you write programs that effortlessly perform useful feats of automation the second edition of this international fan favorite includes a brand new chapter on input validation gmail and google sheets automations tips for updating csv files and more if you ve ever spent hours renaming files or updating spreadsheet cells you know how tedious

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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

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 a different tip and will have different coding here is a preview of what you ll learn how to change colors using python for better looking interfaces accessing e mails and text messages how to manipulate images scheduling and timing programs and much much more other benefits of owning this book gain more knowledge about the capabilities of the python programming language learn the intermediate essentials of python in order to gain the confidence to tackle more complex topics gain the critical steps in your path towards python programming mastery by implementing the lessons in this book not only would you learn one of today s popular computer language but it will serve as your guide in accomplishing all your python goals whether as a fun hobby or as a starting point into a successful and long term programming career

an introduction to natural language processing with python using spacy a leading python natural language processing library natural language processing with python and spacy will show you how to create nlp applications like chatbots text condensing scripts and order processing tools quickly and easily you ll learn how to leverage the spacy library to extract meaning from text intelligently how to determine the relationships between words in a sentence syntactic dependency parsing identify nouns verbs and other parts of speech part of speech tagging and sort proper nouns into categories like people organizations and locations named entity recognizing you ll even learn how to transform statements into questions to keep a conversation going you ll also learn how to work with word vectors to mathematically find words with similar meanings chapter 5 identify patterns within data using spacy s built in displacy visualizer chapter 7 automatically extract keywords from user input and store them in a relational database chapter 9 deploy a chatbot app to interact with users over the internet chapter 11 try this sections in each chapter encourage you to practice what you ve learned by expanding the book s example scripts to handle a wider range of inputs add error handling and build professional quality applications by the end of the book you ll be creating your own nlp applications with python and spacy

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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

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when it comes to data analytics itpays to think big pyspark blends the powerful spark big data processing engine with the python programming language to provide a data analysis platform that can scale up for nearly any task data analysis with python and pysparkis your guide to delivering successful python driven data projects packed with relevant examples and essential techniques this practical book teaches you to build lightning fast pipelines for reporting machine learning and otherdata centric tasks no previous knowledge of spark is required

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python and statistics is beneficial

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