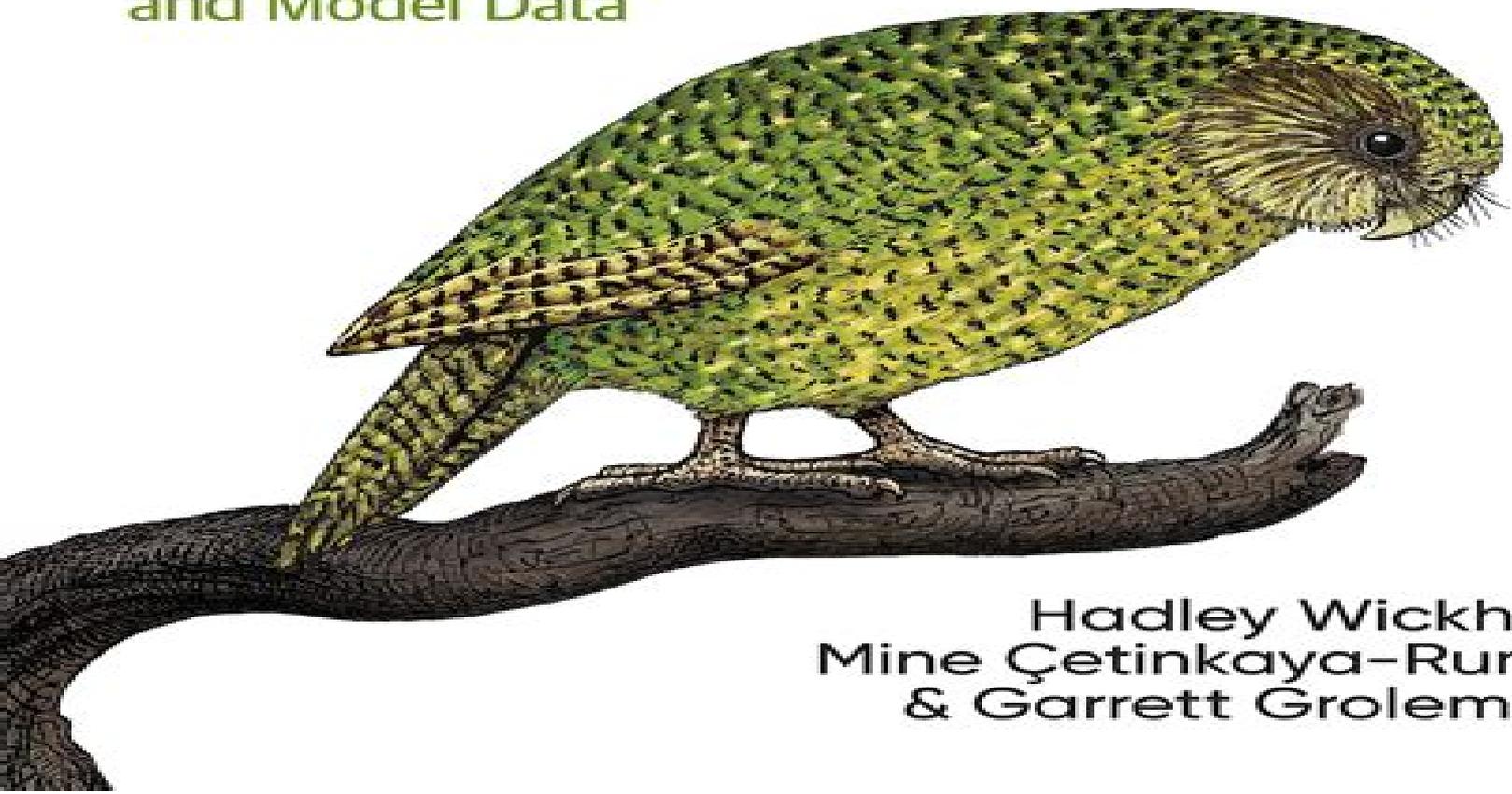


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Hadley Wickham,  
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**Paul Deitel, Harvey Deitel**



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regression and classification algorithms Leverage the command line from Python Jupyter R RStudio and Apache Spark

**Python for Programmers** Paul Deitel,Harvey Deitel,2019-03-15 The professional programmer s Deitel guide to Python with introductory artificial intelligence case studies Written for programmers with a background in another high level language Python for Programmers uses hands on instruction to teach today s most compelling leading edge computing technologies and programming in Python one of the world s most popular and fastest growing languages Please read the Table of Contents diagram inside the front cover and the Preface for more details In the context of 500 real world examples ranging from individual snippets to 40 large scripts and full implementation case studies you ll use the interactive IPython interpreter with code in Jupyter Notebooks to quickly master the latest Python coding idioms After covering Python Chapters 1 5 and a few key parts of Chapters 6 7 you ll be able to handle significant portions of the hands on introductory AI case studies in Chapters 11 16 which are loaded with cool powerful contemporary examples These include natural language processing data mining Twitter for sentiment analysis cognitive computing with IBM Watson™ supervised machine learning with classification and regression unsupervised machine learning with clustering computer vision through deep learning and convolutional neural networks deep learning with recurrent neural networks big data with Hadoop Spark™ and NoSQL databases the Internet of Things and more You ll also work directly or indirectly with cloud based services including Twitter Google Translate™ IBM Watson Microsoft Azure OpenMapQuest PubNub and more Features 500 hands on real world live code examples from snippets to case studies IPython code in Jupyter Notebooks Library focused Uses Python Standard Library and data science libraries to accomplish significant tasks with minimal code Rich Python coverage Control statements functions strings files JSON serialization CSV exceptions Procedural functional style and object oriented programming Collections Lists tuples dictionaries sets NumPy arrays pandas Series DataFrames Static dynamic and interactive visualizations Data experiences with real world datasets and data sources Intro to Data Science sections AI basic stats simulation animation random variables data wrangling regression AI big data and cloud data science case studies NLP data mining Twitter IBM Watson™ machine learning deep learning computer vision Hadoop Spark™ NoSQL IoT Open source libraries NumPy pandas Matplotlib Seaborn Folium SciPy NLTK TextBlob spaCy Textatistic Tweepy scikit learn Keras and more Accompanying code examples are available here [http://ptgmedia.pearsoncmg.com/imprint\\_downloads/informit/bookreg/9780135224335\\_9780135224335\\_examples.zip](http://ptgmedia.pearsoncmg.com/imprint_downloads/informit/bookreg/9780135224335_9780135224335_examples.zip) Register your product for convenient access to downloads updates and or corrections as they become available See inside book for more information

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**Science**, 2011 **Python and R for the Modern Data Scientist** Rick Scavetta, Boyan Angelov, 2021

Success in data science depends on the flexible and appropriate use of tools That includes Python and R two of the foundational programming languages in the field With this book data scientists from the Python and R communities will learn how to speak the dialects of each language By recognizing the strengths of working with both you ll discover new ways to accomplish data science tasks and expand your skill set Authors Boyan Angelov and Rick Scavetta explain the parallel structures of these languages and highlight where each one excels whether it s their linguistic features or the powers of their open source ecosystems Not only will you learn how to use Python and R together in real world settings but you ll also broaden your knowledge and job opportunities by working as a bilingual data scientist Learn Python and R from the perspective of your current language Understand the strengths and weaknesses of each language Identify use cases where one language is better suited than the other Understand the modern open source ecosystem available for both including packages frameworks and workflows Learn how to integrate R and Python in a single workflow Follow a real world case study that demonstrates ways to use these languages together

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**Library Literature & Information Science** ,2008 An index to library and information science literature

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**Fundamentals of Database Systems** Ramez Elmasri,Sham Navathe,2007 This edition combines clear explanations of database theory and design with up to date coverage of models and real systems It features excellent examples and access to Addison Wesley s database Web site that includes further teaching tutorials and many useful student resources

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