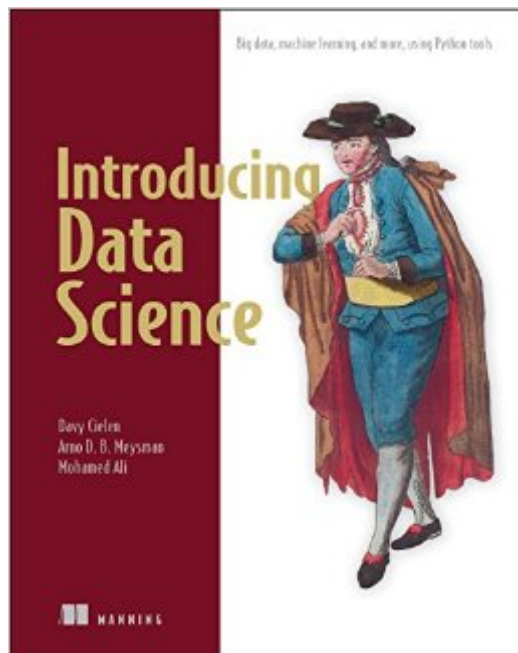


The book was found

Introducing Data Science: Big Data, Machine Learning, And More, Using Python Tools



Synopsis

Summary Introducing Data Science teaches you how to accomplish the fundamental tasks that occupy data scientists. Using the Python language and common Python libraries, you'll experience firsthand the challenges of dealing with data at scale and gain a solid foundation in data science. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

About the Technology Many companies need developers with data science skills to work on projects ranging from social media marketing to machine learning. Discovering what you need to learn to begin a career as a data scientist can seem bewildering. This book is designed to help you get started.

About the Book Introducing Data Science Introducing Data Science explains vital data science concepts and teaches you how to accomplish the fundamental tasks that occupy data scientists. You'll explore data visualization, graph databases, the use of NoSQL, and the data science process. You'll use the Python language and common Python libraries as you experience firsthand the challenges of dealing with data at scale. Discover how Python allows you to gain insights from data sets so big that they need to be stored on multiple machines, or from data moving so quickly that no single machine can handle it. This book gives you hands-on experience with the most popular Python data science libraries, Scikit-learn and StatsModels. After reading this book, you'll have the solid foundation you need to start a career in data science. What's Inside Handling large data Introduction to machine learning Using Python to work with data Writing data science algorithms

About the Reader This book assumes you're comfortable reading code in Python or a similar language, such as C, Ruby, or JavaScript. No prior experience with data science is required.

About the Authors Davy Cielen, Arno D. B. Meysman, and Mohamed Ali are the founders and managing partners of Optimately and Maiton, where they focus on developing data science projects and solutions in various sectors.

Table of Contents Data science in a big data world The data science process Machine learning Handling large data on a single computer First steps in big data Join the NoSQL movement The rise of graph databases Text mining and text analytics Data visualization to the end user

Book Information

Paperback: 320 pages

Publisher: Manning Publications; 1 edition (May 23, 2016)

Language: English

ISBN-10: 1633430030

ISBN-13: 978-1633430037

Product Dimensions: 7.3 x 0.4 x 9.2 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars Â Â See all reviews Â (4 customer reviews)

Best Sellers Rank: #422,330 in Books (See Top 100 in Books) #28 in Â Books > Computers &

Technology > Networking & Cloud Computing > Data in the Enterprise > Electronic Data

Interchange (EDI) #72 in Â Books > Computers & Technology > Computer Science > AI & Machine

Learning > Machine Theory #74 in Â Books > Computers & Technology > Programming >

Languages & Tools > Ruby

Customer Reviews

Loved this book! If I could have given 6 stars, I would have. This book would provide you with a very well rounded approach to Data Science and by that I mean truly would give you a ride through all the aspects of this field versus showing you some regression algorithm using python and call it Data Science. Book has it all - not only it leverages probably the most favorite language (python) for its examples, it also goes in details in supporting tools and eco systems. For examples, Spark - Why create something when Spark is already here and we can just use it in our work. It covered NoSQL technologies to give readers enough information to get started and weighted pros and cons of each. I especially enjoyed reading ACID, BASE and CAP theorem sections. I am familiar with them and gave presentation on exact same topic few years ago and I enjoyed the read since it covered the important key points leaving me with nice warm feeling in my stomach that unaware readers will be in a good hands! During discussion of NoSQL, Elasticsearch was introduced and entire chapter was devoted on how to leverage search capabilities to provide us with valuable results... Search is something that Elasticsearch does best! Section about Damerau-Levenshtein was great. It made you think of dirty data that is present in the real world and how you deal with it (vs giving you example with perfectly clean and ready to use data) Speaking of real world experience - this book took a step back and instead of trying to be data science book and throwing cool python libraries at you, it talked about general approach in the real world when you deal with data science projects by trying to make you think of project's research goals - Why are we doing this?

• Data science, • the three authors of this book point out, • is a very wide field, so wide indeed that a book ten times the size of this one wouldn't be able to cover it all. For each chapter, we picked a different aspect we find interesting. Some hard decisions had to be made to keep this book from collapsing your bookshelf! • In my view, they have made very good choices. This

Introducing • book is written well and logically organized. And it generally is aimed at individual computer users and persons contemplating possible careers in data science. The book also could be good for managers and others trying to get a handle on how some data science techniques could be brought to bear on their growing mounds of business data. If you are impatient to dive straight into dicing, slicing and graphing big data, you should know that books from Manning generally don't follow that kind of quick approach. You get some overviews, explanations and theory first, and then you ease into the heart of the matter. In this book, you get to "First steps in big data" • in chapter five, after first delving into the data science process: 1. Setting the research goal; 2. Retrieving data; 3. Data preparation, 4. Data exploration; 5. Data modeling; and 6. Presentation and automation. Chapter five also is preceded by chapters on machine learning and how to handle large data files on a single computer. The "First steps" • chapter, meanwhile, shows how to work (at the sandbox level) with two big data applications, Hadoop and Spark, and demonstrates how Python can be used to write big data jobs.

[Download to continue reading...](#)

Python: Learn Python In A DAY! - The Ultimate Crash Course to Learning the Basics of Python In No Time (Python, Python Course, Python Development, Python Books, Python for Beginners)
Python: PYTHON CRASH COURSE - Beginner's Course To Learn The Basics Of Python Programming In 24 Hours!: (Python, Python Programming, Python for Dummies, Python for Beginners, python crash course) Introducing Data Science: Big Data, Machine Learning, and more, using Python tools Python: Learn Web Scraping with Python In A DAY! - The Ultimate Crash Course to Learning the Basics of Web Scraping with Python In No Time (Web Scraping ... Python Books, Python for Beginners) Python: Learn Python FAST - The Ultimate Crash Course to Learning the Basics of the Python Programming Language In No Time (Python, Python Programming, ... (Learn Coding Fast with Hands-On Project 7) Big Data, MapReduce, Hadoop, and Spark with Python: Master Big Data Analytics and Data Wrangling with MapReduce Fundamentals using Hadoop, Spark, and Python PYTHON: Python in 8 Hours, For Beginners, Learn Python Fast! A Smart Way to Learn Python, Plain & Simple, Learn Python Programming Language in Easy Steps, A Beginner's Guide, Start Coding Today! Python: Ultimate Crash Course to Learn It Well and Become an Expert in Python Programming (Hands-on Project, Learn Coding Fast, Machine Learning, Data Science) Programming #45: Python Programming Professional Made Easy & Android Programming In a Day! (Python Programming, Python Language, Python for beginners, ... Programming Languages, Android Programming) Python : The Ultimate Python Quickstart Guide - From Beginner To Expert (Hands On Projects, Machine Learning, Learn Coding Fast, Learning

code, Database) Python Data Analytics: Data Analysis and Science using pandas, matplotlib and the Python Programming Language Learning: 25 Learning Techniques for Accelerated Learning - Learn Faster by 300%! (Learning, Memory Techniques, Accelerated Learning, Memory, E Learning, ... Learning Techniques, Exam Preparation) Big Data For Beginners: Understanding SMART Big Data, Data Mining & Data Analytics For improved Business Performance, Life Decisions & More! Bread Machine Cookbook: 101 Delicious, Nutritious, Low Budget, Mouthwatering Bread Machine Cookbook: Best Bread Machine Bread Recipe Recipes for Perfect-Every-Time Bread-From Every Kind of Machine Python: Learn Python in One Day and Learn It Well. Python for Beginners with Hands-on Project. (Learn Coding Fast with Hands-On Project Book 1) Programming Raspberry Pi 3: Getting Started With Python (Programming Raspberry Pi 3, Raspberry Pi 3 User Guide, Python Programming, Raspberry Pi 3 with Python Programming) Data Architecture: A Primer for the Data Scientist: Big Data, Data Warehouse and Data Vault Learn: Cognitive Psychology - How to Learn, Any Skill or Subject in 21 Days! (Learn, Learning Disability, Learning Games, Learning Techniques, Learning ... Learning, Cognitive Science, Study) Python: A Beginner to Expert Guide to Learning the basics of Python Programming (Computer Science Series) Data Analytics: Practical Data Analysis and Statistical Guide to Transform and Evolve Any Business Leveraging the Power of Data Analytics, Data Science, ... (Hacking Freedom and Data Driven Book 2)

[Dmca](#)