Python Data Science Essentials - Second Edition

Alberto Boschetti, Luca Massaron

[Click here](#) if your download doesn"t start automatically

Python Data Science Essentials - Second Edition

Alberto Boschetti, Luca Massaron

Python Data Science Essentials - Second Edition Alberto Boschetti, Luca Massaron

Key Features

- Quickly get familiar with data science using Python 3.5
- Save time (and effort) with all the essential tools explained
- Create effective data science projects and avoid common pitfalls with the help of examples and hints dictated by experience

Book Description

Fully expanded and upgraded, the second edition of Python Data Science Essentials takes you through all you need to know to suceed in data science using Python. Get modern insight into the core of Python data, including the latest versions of Jupyter notebooks, NumPy, pandas and scikit-learn. Look beyond the fundamentals with beautiful data visualizations with Seaborn and ggplot, web development with Bottle, and even the new frontiers of deep learning with Theano and TensorFlow.

Dive into building your essential Python 3.5 data science toolbox, using a single-source approach that will allow to to work with Python 2.7 as well. Get to grips fast with data munging and preprocessing, and all the techniques you need to load, analyse, and process your data. Finally, get a complete overview of principal machine learning algorithms, graph analysis techniques, and all the visualization and deployment instruments that make it easier to present your results to an audience of both data science experts and business users.

What you will learn

- Set up your data science toolbox using a Python scientific environment on Windows, Mac, and Linux
- Get data ready for your data science project
- Manipulate, fix, and explore data in order to solve data science problems
- Set up an experimental pipeline to test your data science hypotheses
- Choose the most effective and scalable learning algorithm for your data science tasks
- Optimize your machine learning models to get the best performance
- Explore and cluster graphs, taking advantage of interconnections and links in your data

About the Author

Alberto Boschetti is a data scientist with expertise in signal processing and statistics. He holds a PhD in telecommunication engineering and currently lives and works in London. In his work projects, he faces challenges ranging from natural language processing (NLP), behavioral analysis, and machine learning to distributed processing. He is very passionate about his job and always tries to stay updated about the latest developments in data science technologies, attending meet-ups, conferences, and other events.

Luca Massaron is a data scientist and marketing research director specializing in multivariate statistical analysis, machine learning, and customer insight, with over a decade of experience of solving real-world problems and generating value for stakeholders by applying reasoning, statistics, data mining, and algorithms. From being a pioneer of web audience analysis in Italy to achieving the rank of a top ten

Kaggler, he has always been very passionate about every aspect of data and its analysis, and also about demonstrating the potential of data-driven knowledge discovery to both experts and non-experts. Favoring simplicity over unnecessary sophistication, Luca believes that a lot can be achieved in data science just by doing the essentials.

Table of Contents

1. First Steps
2. Data Munging
3. The Data Pipeline
4. Machine Learning
5. Social Network Analysis
6. Visualization, Insights, and Results
7. Strengthen Your Python Foundations

⬇ Download Python Data Science Essentials - Second Edition ...pdf

🖹 Read Online Python Data Science Essentials - Second Edition ...pdf

Download and Read Free Online Python Data Science Essentials - Second Edition Alberto Boschetti, Luca Massaron

---

From reader reviews:

Steve Bennett:

In other case, little men and women like to read book Python Data Science Essentials - Second Edition. You can choose the best book if you appreciate reading a book. Given that we know about how is important a book Python Data Science Essentials - Second Edition. You can add expertise and of course you can around the world by way of a book. Absolutely right, due to the fact from book you can recognize everything! From your country right up until foreign or abroad you will be known. About simple point until wonderful thing you are able to know that. In this era, you can open a book as well as searching by internet system. It is called e-book. You can use it when you feel fed up to go to the library. Let's go through.

Micheal McDonough:

Reading a e-book tends to be new life style within this era globalization. With reading you can get a lot of information which will give you benefit in your life. Using book everyone in this world can share their idea. Books can also inspire a lot of people. Many author can inspire their own reader with their story or their experience. Not only the storyline that share in the books. But also they write about the knowledge about something that you need example of this. How to get the good score toefl, or how to teach your young ones, there are many kinds of book which exist now. The authors these days always try to improve their expertise in writing, they also doing some study before they write with their book. One of them is this Python Data Science Essentials - Second Edition.

Peter Christensen:

People live in this new day time of lifestyle always try and and must have the free time or they will get lot of stress from both day to day life and work. So , once we ask do people have extra time, we will say absolutely yes. People is human not only a robot. Then we inquire again, what kind of activity are you experiencing when the spare time coming to you actually of course your answer will unlimited right. Then do you ever try this one, reading ebooks. It can be your alternative throughout spending your spare time, the book you have read will be Python Data Science Essentials - Second Edition.

Kimberly Casselman:

The book untitled Python Data Science Essentials - Second Edition contain a lot of information on this. The writer explains her idea with easy approach. The language is very easy to understand all the people, so do not really worry, you can easy to read it. The book was compiled by famous author. The author will take you in the new era of literary works. It is possible to read this book because you can read on your smart phone, or program, so you can read the book within anywhere and anytime. In a situation you wish to purchase the e-book, you can open up their official web-site along with order it. Have a nice study.

Download and Read Online Python Data Science Essentials - Second Edition Alberto Boschetti, Luca Massaron #HIJ613PFY75

Read Python Data Science Essentials - Second Edition by Alberto Boschetti, Luca Massaron for online ebook

Python Data Science Essentials - Second Edition by Alberto Boschetti, Luca Massaron Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Python Data Science Essentials - Second Edition by Alberto Boschetti, Luca Massaron books to read online.

Online Python Data Science Essentials - Second Edition by Alberto Boschetti, Luca Massaron ebook PDF download

Python Data Science Essentials - Second Edition by Alberto Boschetti, Luca Massaron Doc

Python Data Science Essentials - Second Edition by Alberto Boschetti, Luca Massaron Mobipocket

Python Data Science Essentials - Second Edition by Alberto Boschetti, Luca Massaron EPub