

# Python Data Science Essentials - Learn the fundamentals of Data Science with Python

*By Alberto Boschetti, Luca Massaron*

Download now

Read Online ➔

## Python Data Science Essentials - Learn the fundamentals of Data Science with Python By Alberto Boschetti, Luca Massaron

### Key Features

- Quickly get familiar with data science using Python
- 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

The book starts by introducing you to setting up your essential data science toolbox. Then it will guide you across all the data munging and preprocessing phases. This will be done in a manner that explains all the core data science activities related to loading data, transforming and fixing it for analysis, as well as exploring and processing it. Finally, it will complete the overview by presenting you with the main machine learning algorithms, the graph analysis technicalities, and all the visualization instruments that can make your life easier in presenting your results.

In this walkthrough, structured as a data science project, you will always be accompanied by clear code and simplified examples to help you understand the underlying mechanics and real-world datasets.

### 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 hypothesis
- 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 Authors


**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 involving natural language processing (NLP), machine learning, and probabilistic graph models everyday.

**Luca Massaron** is a data scientist and marketing research director who specializes in multivariate statistical analysis, machine learning, and customer insight, with over a decade of experience in solving real-world problems and generating value for stakeholders by applying reasoning, statistics, data mining, and algorithms.

## Table of Contents

1. First Steps
2. Data Munging
3. The Data Science Pipeline
4. Machine Learning
5. Social Network Analysis
6. Visualization

 [Download Python Data Science Essentials - Learn the fundame ...pdf](#)

 [Read Online Python Data Science Essentials - Learn the funda ...pdf](#)

# Python Data Science Essentials - Learn the fundamentals of Data Science with Python

*By Alberto Boschetti, Luca Massaron*

**Python Data Science Essentials - Learn the fundamentals of Data Science with Python** By Alberto Boschetti, Luca Massaron

## Key Features

- Quickly get familiar with data science using Python
- 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

The book starts by introducing you to setting up your essential data science toolbox. Then it will guide you across all the data munging and preprocessing phases. This will be done in a manner that explains all the core data science activities related to loading data, transforming and fixing it for analysis, as well as exploring and processing it. Finally, it will complete the overview by presenting you with the main machine learning algorithms, the graph analysis technicalities, and all the visualization instruments that can make your life easier in presenting your results.

In this walkthrough, structured as a data science project, you will always be accompanied by clear code and simplified examples to help you understand the underlying mechanics and real-world datasets.

## 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 hypothesis
- 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 Authors

**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 involving natural language processing (NLP), machine learning, and probabilistic graph models everyday.

**Luca Massaron** is a data scientist and marketing research director who specializes in multivariate statistical analysis, machine learning, and customer insight, with over a decade of experience in solving real-world problems and generating value for stakeholders by applying reasoning, statistics, data mining, and algorithms.

## Table of Contents

1. First Steps
2. Data Munging
3. The Data Science Pipeline
4. Machine Learning
5. Social Network Analysis
6. Visualization

## Python Data Science Essentials - Learn the fundamentals of Data Science with Python By Alberto Boschetti, Luca Massaron Bibliography

- Sales Rank: #936375 in Books
- Published on: 2015-04-30
- Released on: 2015-04-30
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .59" w x 7.50" l, 1.05 pounds
- Binding: Paperback
- 216 pages

 [Download Python Data Science Essentials - Learn the fundame ...pdf](#)

 [Read Online Python Data Science Essentials - Learn the funda ...pdf](#)

## **Download and Read Free Online Python Data Science Essentials - Learn the fundamentals of Data Science with Python By Alberto Boschetti, Luca Massaron**

---

### **Editorial Review**

About the Author

#### **Alberto Boschetti**

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 involving natural language processing (NLP), machine learning, and probabilistic graph models everyday. He is very passionate about his job and he always tries to stay updated on the latest developments in data science technologies by attending meetups, conferences, and other events.

#### **Luca Massaron**

Luca Massaron is a data scientist and marketing research director who specializes in multivariate statistical analysis, machine learning, and customer insight, with over a decade of experience in 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 10 Kaggle, he has always been passionate about everything regarding data and analysis and about demonstrating the potentiality of data-driven knowledge discovery to both experts and nonexperts. Favoring simplicity over unnecessary sophistication, he believes that a lot can be achieved in data science by understanding its essentials.

### **Users Review**

#### **From reader reviews:**

##### **Alberta Sanchez:**

What do you concerning book? It is not important to you? Or just adding material when you need something to explain what your own problem? How about your free time? Or are you busy individual? If you don't have spare time to complete others business, it is make one feel bored faster. And you have extra time? What did you do? All people has many questions above. They must answer that question simply because just their can do that will. It said that about publication. Book is familiar in each person. Yes, it is proper. Because start from on pre-school until university need this particular Python Data Science Essentials - Learn the fundamentals of Data Science with Python to read.

##### **Marian Jackson:**

The particular book Python Data Science Essentials - Learn the fundamentals of Data Science with Python has a lot of knowledge on it. So when you read this book you can get a lot of help. The book was published by the very famous author. This articles author makes some research before write this book. That book very easy to read you will get the point easily after reading this article book.

**Iris Robertson:**

That reserve can make you to feel relax. This book Python Data Science Essentials - Learn the fundamentals of Data Science with Python was colorful and of course has pictures on there. As we know that book Python Data Science Essentials - Learn the fundamentals of Data Science with Python has many kinds or type. Start from kids until adolescents. For example Naruto or Investigation company Conan you can read and think that you are the character on there. So , not at all of book are make you bored, any it offers you feel happy, fun and relax. Try to choose the best book to suit your needs and try to like reading in which.

**John Keys:**

A lot of reserve has printed but it takes a different approach. You can get it by internet on social media. You can choose the very best book for you, science, witty, novel, or whatever by simply searching from it. It is named of book Python Data Science Essentials - Learn the fundamentals of Data Science with Python. You can include your knowledge by it. Without causing the printed book, it can add your knowledge and make you happier to read. It is most significant that, you must aware about e-book. It can bring you from one location to other place.

**Download and Read Online Python Data Science Essentials - Learn the fundamentals of Data Science with Python By Alberto Boschetti, Luca Massaron #HO7WXTS6PV4**

# **Read Python Data Science Essentials - Learn the fundamentals of Data Science with Python By Alberto Boschetti, Luca Massaron for online ebook**

Python Data Science Essentials - Learn the fundamentals of Data Science with Python 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 - Learn the fundamentals of Data Science with Python By Alberto Boschetti, Luca Massaron books to read online.

## **Online Python Data Science Essentials - Learn the fundamentals of Data Science with Python By Alberto Boschetti, Luca Massaron ebook PDF download**

**Python Data Science Essentials - Learn the fundamentals of Data Science with Python By Alberto Boschetti, Luca Massaron Doc**

**Python Data Science Essentials - Learn the fundamentals of Data Science with Python By Alberto Boschetti, Luca Massaron Mobipocket**

**Python Data Science Essentials - Learn the fundamentals of Data Science with Python By Alberto Boschetti, Luca Massaron EPub**

**HO7WXTS6PV4: Python Data Science Essentials - Learn the fundamentals of Data Science with Python By Alberto Boschetti, Luca Massaron**