IPython Notebook Essentials

L. Felipe Martins

Click here if your download doesn"t start automatically

IPython Notebook Essentials

L. Felipe Martins

IPython Notebook Essentials L. Felipe Martins
Compute scientific data and execute code interactively with NumPy and SciPy

About This Book

- Perform Computational Analysis interactively
- Create quality displays using matplotlib and Python Data Analysis
- Step-by-step guide with a rich set of examples and a thorough presentation of The IPython Notebook

Who This Book Is For

If you are a professional, student, or educator who wants to learn to use IPython Notebook as a tool for technical and scientific computing, visualization, and data analysis, this is the book for you. This book will prove valuable for anyone that needs to do computations in an agile environment.

What You Will Learn

- Quickly install and get started with IPython Notebook
- Create interactive widgets in the Notebook
- Master the Notebook's interface and navigation features
- Create publication-quality graphs and displays of data with matplotlib
- Add media to the Notebook with IPython's Rich Display System
- Accelerate code using NumbaPro and concurrent computing
- Perform advanced scientific computations with SciPy
- Work with data in the Notebook with pandas

In Detail

In data science, it is difficult to present interesting visual or technical content, as it involves scientific notations that are not easy to type in a normal document format. IPython provides a web-based UI called Notebook, which creates a working environment for interactive computing that combines code execution with computational documents. IPython Notebook makes the task simpler as it was developed for scientific programming to solve larger problems through a series of smaller programs. IPython Notebook is used to learn Python in a fun and interactive way and to do some serious parallel / technical computing.

The book begins with an introduction to the efficient use of IPython Notebook for interactive computation. The book then focuses on the integration of technologies such as matplotlib, pandas, and SciPy. The book is aimed at empowering you to work with IPython Notebook for interactive computing, configuring it, creating your own notebooks / research documents. You will learn how IPython lets you perform efficient computations through examples with NumPy, data analysis with pandas, and visualization with matplotlib.

Download and Read Free Online IPython Notebook Essentials L. Felipe Martins

---

From reader reviews:

Peter Tesch:

Why don't make it to become your habit? Right now, try to ready your time to do the important act, like looking for your favorite publication and reading a book. Beside you can solve your trouble; you can add your knowledge by the reserve entitled IPython Notebook Essentials. Try to make the book IPython Notebook Essentials as your pal. It means that it can for being your friend when you truly feel alone and beside associated with course make you smarter than previously. Yeah, it is very fortuned for you personally. The book makes you considerably more confidence because you can know anything by the book. So , let us make new experience as well as knowledge with this book.

Adelina Thompson:

In this 21st hundred years, people become competitive in most way. By being competitive right now, people have do something to make these survives, being in the middle of typically the crowded place and notice by simply surrounding. One thing that sometimes many people have underestimated this for a while is reading. Yeah, by reading a e-book your ability to survive improve then having chance to endure than other is high. For yourself who want to start reading any book, we give you this specific IPython Notebook Essentials book as basic and daily reading e-book. Why, because this book is greater than just a book.

Donna Canales:

IPython Notebook Essentials can be one of your basic books that are good idea. We recommend that straight away because this book has good vocabulary that could increase your knowledge in vocab, easy to understand, bit entertaining however delivering the information. The article author giving his/her effort to place every word into enjoyment arrangement in writing IPython Notebook Essentials nevertheless doesn't forget the main place, giving the reader the hottest along with based confirm resource facts that maybe you can be considered one of it. This great information can easily drawn you into completely new stage of crucial contemplating.

Frank Foushee:

It is possible to spend your free time to learn this book this reserve. This IPython Notebook Essentials is simple to develop you can read it in the park your car, in the beach, train and also soon. If you did not have much space to bring the actual printed book, you can buy the e-book. It is make you much easier to read it. You can save often the book in your smart phone. Consequently there are a lot of benefits that you will get when you buy this book.

Download and Read Online IPython Notebook Essentials L. Felipe Martins #EX3YJ5BM6PC

Read IPython Notebook Essentials by L. Felipe Martins for online ebook

IPython Notebook Essentials by L. Felipe Martins 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 IPython Notebook Essentials by L. Felipe Martins books to read online.

Online IPython Notebook Essentials by L. Felipe Martins ebook PDF download

IPython Notebook Essentials by L. Felipe Martins Doc

IPython Notebook Essentials by L. Felipe Martins Mobipocket

IPython Notebook Essentials by L. Felipe Martins EPub