NumPy Beginner's Guide - Second Edition

Ivan Idris

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

NumPy Beginner's Guide - Second Edition

Ivan Idris

NumPy Beginner's Guide - Second Edition Ivan Idris

An action packed guide using real world examples of the easy to use, high performance, free open source NumPy mathematical library

Overview

- Perform high performance calculations with clean and efficient NumPy code
- Analyze large data sets with statistical functions
- Execute complex linear algebra and mathematical computations

In Detail

NumPy is an extension to, and the fundamental package for scientific computing with Python. In today's world of science and technology, it is all about speed and flexibility. When it comes to scientific computing, NumPy is on the top of the list.

NumPy Beginner's Guide will teach you about NumPy, a leading scientific computing library. NumPy replaces a lot of the functionality of Matlab and Mathematica, but in contrast to those products, is free and open source.

Write readable, efficient, and fast code, which is as close to the language of mathematics as is currently possible with the cutting edge open source NumPy software library. Learn all the ins and outs of NumPy that requires you to know basic Python only. Save thousands of dollars on expensive software, while keeping all the flexibility and power of your favourite programming language.You will learn about installing and using NumPy and related concepts. At the end of the book we will explore some related scientific computing projects. This book will give you a solid foundation in NumPy arrays and universal functions. Through examples, you will also learn about plotting with Matplotlib and the related SciPy project. NumPy Beginner's Guide will help you be productive with NumPy and have you writing clean and fast code in no time at all.

What you will learn from this book

- Install NumPy
- NumPy arrays
- Universal functions
- NumPy matrices
- NumPy modules
- Plot with Matplotlib
- Test NumPy code
- Relation to SciPy

Approach

The book is written in beginner's guide style with each aspect of NumPy demonstrated with real world examples and required screenshots.

Who this book is written for

If you are a programmer, scientist, or engineer who has basic Python knowledge and would like to be able to do numerical computations with Python, this book is for you. No prior knowledge of NumPy is required.

Download and Read Free Online NumPy Beginner's Guide - Second Edition Ivan Idris

From reader reviews:

Melissa Wilcox:

Information is provisions for people to get better life, information today can get by anyone on everywhere. The information can be a know-how or any news even a concern. What people must be consider if those information which is inside former life are challenging to be find than now's taking seriously which one works to believe or which one the resource are convinced. If you find the unstable resource then you understand it as your main information it will have huge disadvantage for you. All of those possibilities will not happen with you if you take NumPy Beginner's Guide - Second Edition as the daily resource information.

Louise Schmidt:

Is it anyone who having spare time and then spend it whole day by simply watching television programs or just resting on the bed? Do you need something totally new? This NumPy Beginner's Guide - Second Edition can be the solution, oh how comes? The new book you know. You are thus out of date, spending your free time by reading in this new era is common not a geek activity. So what these books have than the others?

Scottie Hicks:

A lot of book has printed but it differs. You can get it by world wide web on social media. You can choose the most effective book for you, science, comedy, novel, or whatever by searching from it. It is called of book NumPy Beginner's Guide - Second Edition. You can include your knowledge by it. Without causing the printed book, it may add your knowledge and make a person happier to read. It is most crucial that, you must aware about publication. It can bring you from one place to other place.

Vincent Mickens:

Reading a publication make you to get more knowledge as a result. You can take knowledge and information from the book. Book is published or printed or descriptive from each source in which filled update of news. On this modern era like right now, many ways to get information are available for you. From media social just like newspaper, magazines, science reserve, encyclopedia, reference book, book and comic. You can add your knowledge by that book. Ready to spend your spare time to spread out your book? Or just looking for the NumPy Beginner's Guide - Second Edition when you needed it?

Download and Read Online NumPy Beginner's Guide - Second Edition Ivan Idris #49W0DBUSCJQ

Read NumPy Beginner's Guide - Second Edition by Ivan Idris for online ebook

NumPy Beginner's Guide - Second Edition by Ivan Idris 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 NumPy Beginner's Guide - Second Edition by Ivan Idris books to read online.

Online NumPy Beginner's Guide - Second Edition by Ivan Idris ebook PDF download

NumPy Beginner's Guide - Second Edition by Ivan Idris Doc

NumPy Beginner's Guide - Second Edition by Ivan Idris Mobipocket

NumPy Beginner's Guide - Second Edition by Ivan Idris EPub