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Vocal critics have variously dismissed the term as a superfluous label (after all, what science doesn't involve data?) or a simple buzzword that only exists to salt résumés and catch the eye of overzealous tech recruiters.Who Is This Book For?In my teaching both at the University of Washington and at various tech-focused conferences and meetups, one of the most common questions I have heard is this: "how should I learn Python?" The people asking are generally technically minded students, developers, or researchers, often with an already strong background in writing code and using computational and numerical tools. Most of these folks don't want to learn Python per se, but want to learn the language with the aim of using it as a tool for data-intensive and computational science. While a large patchwork of videos, blog posts, and tutorials for this audience is available online, I've long been frustrated by the lack of a single good answer to this question; that is what inspired this book.Outline of This BookEach chapter of this book focuses on a particular package or tool that contributes a fundamental piece of the Python data science story.Python and Jupyter (Chapter 1) : These packages provide the computational environment in which many Python- using data scientists work.NumPy (Chapter 2) : This library provides the ndarray object for efficient storage and manipulation of dense data arrays in Python.Pandas (Chapter 3) : This library provides the DataFrame object for efficient storage and manipulation of labeled/columnar data in Python.Matplotlib (Chapter 4) : This library provides capabilities for a flexible range of data visualizations in Python.Scikit-Learn (Chapter 5) : This library provides efficient and clean Python implementations of the most important and established machine learning algorithms.About the AuthorJake VanderPlas is a long-time user and developer of the Python scientific stack. He currently works as an interdisciplinary research director at the University of Washington, conducts his own astronomy research, and spends time advising and consulting with local scientists from a wide range of fields.PDF INFOBook's Name : Python Data Science Handbook Author : Jake VanderPlas Copyright Owner : Copyright © 2017 Jake VanderPlas. Original language : English Size Of PDF : 21.03 MB Number of Pages : 558 PagesDOWNLOADTo Download This PDF Follow this Setps : Copy the Text given below in Yellow Background : and paste in your browser :StudyFrnd.()Com/pdsh/** Remove () between StudyFrnd. and ComDisclaimer : We dont own this book. PDF is just provided for educational purposes. If you have any issue with post/book/pdf kindly Contact us. 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