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Nota di contenuto	Cover -- Title Page -- Copyright Page -- Dedication -- Contents -- Preface -- Chapter 1: Introduction to Python -- Tools for Python -- easy_install and pip -- virtualenv -- IPython -- Python Installation -- Setting the PATH Environment Variable (Windows Only) -- Launching Python on Your Machine -- The Python Interactive Interpreter -- Python Identifiers -- Lines, Indentation, and Multi-Line Comments -- Quotations and Comments in Python -- Saving Your Code in a Module -- Some Standard Modules in Python -- The help() and dir() Functions -- Compile Time and Runtime Code Checking -- Simple Data Types -- Working with Numbers -- Working with Other Bases -- The chr() Function -- The round() Function -- Formatting Numbers -- Working with Fractions -- Unicode and UTF-8 -- Working with Unicode -- Working with Strings -- Comparing Strings -- Formatting Strings -- Slicing and Splicing Strings -- Testing for Digits and Alphabetic Characters -- Search and Replace a String in Other Strings -- Remove Leading and Trailing Characters -- Printing Text without NewLine Characters -- Text Alignment -- Working with Dates -- Converting Strings to Dates -- Exception Handling in Python -- Handling User Input -- Command-Line Arguments -- Summary -- Chapter 2: Introduction to NumPy -- What is NumPy? -- Useful NumPy Features -- What are NumPy Arrays? -- Working with Loops -- Appending Elements

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Stacked Bar Charts with Matplotlib.

Sommario/riassunto

This book provides a comprehensive guide to Python 3 data visualization using ChatGPT and GPT-4. It covers essential tools and techniques for Python programming, including installation, virtual environments, and standard modules. The book delves into the use of NumPy for mathematical operations and array manipulations, and Pandas for data manipulation and visualization tasks. Readers will learn to create and manage dataframes, handle missing values, and perform data cleaning. The book also explores integration with SQL databases and features libraries like Matplotlib for plotting. It aims to equip readers with practical skills for implementing data visualization solutions in Python, targeting programmers and data analysts seeking to enhance their data visualization capabilities.
