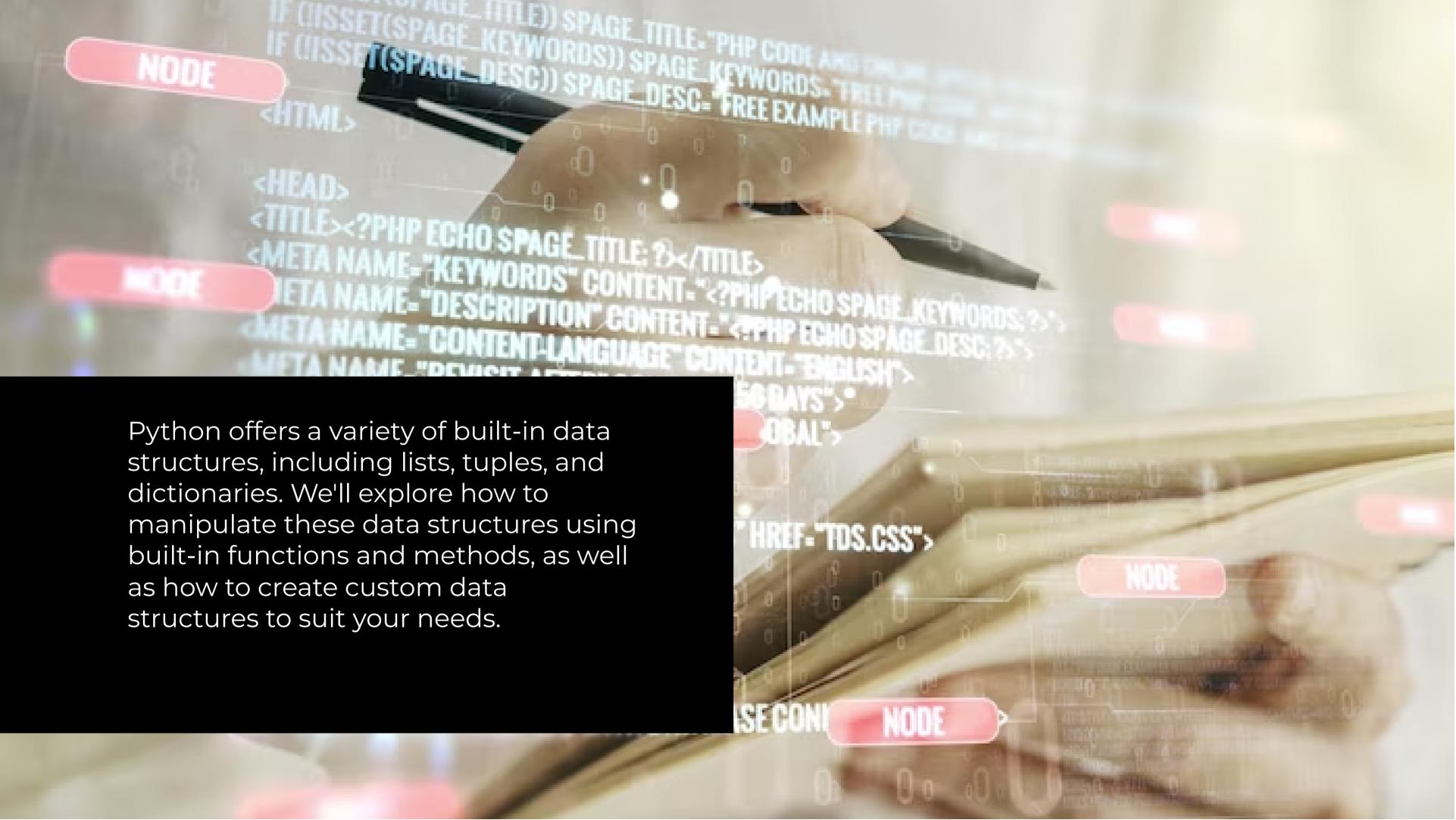


Mastering Data Manipulation in Python: A Comprehensive Guide to Functions and Modules



Introduct ion

Defining a target

- Aquarius is one of the oldest constellations. Its name means "water bearer," and its symbol is a representation of water.
- 2. Capricornus is the smallest constellation in the zodiac. Its name means "horned goat" and is represented by a goat with a fishtail.
- Zodiac constellations, and its symbol represents the ram's horns. It's unique because its image has changed over time.
- 4. Cassiopeia is a constellation in the northern sky. It is easily recognizable due to its distinctive 'W' shape, formed by five bright stars.

Pandas Library

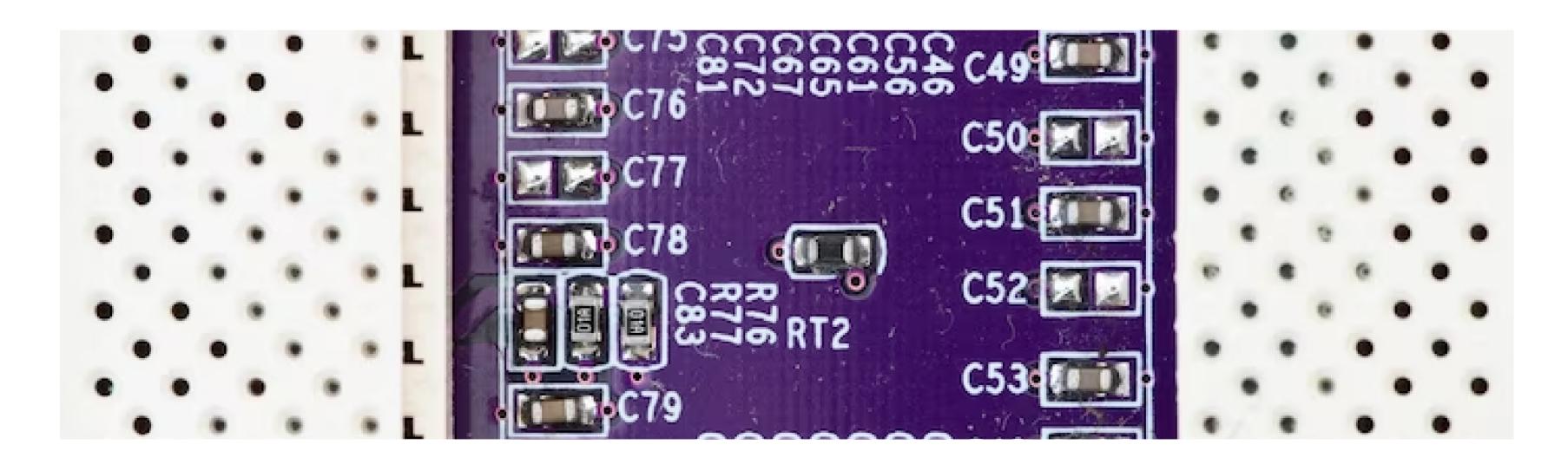
About the project

Pandas is a powerful library for data manipulation and analysis in Python. We'll cover the basics of working with Pandas data frames, including selecting, filtering, and grouping data. We'll also explore how to perform common data cleaning tasks using Pandas.



About the project

NumPy is a library for working with arrays of numerical data in Python. We'll cover the basics of creating and manipulating NumPy arrays, as well as how to perform mathematical operations on them. We'll also explore how to use NumPy for linear algebra and statistical analysis.



Data Visualization

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- Z. Aries is one of the zodiac constellations, and its symbol represents the ram's horns. It's unique because its image has changed over time.
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Regular Expressions

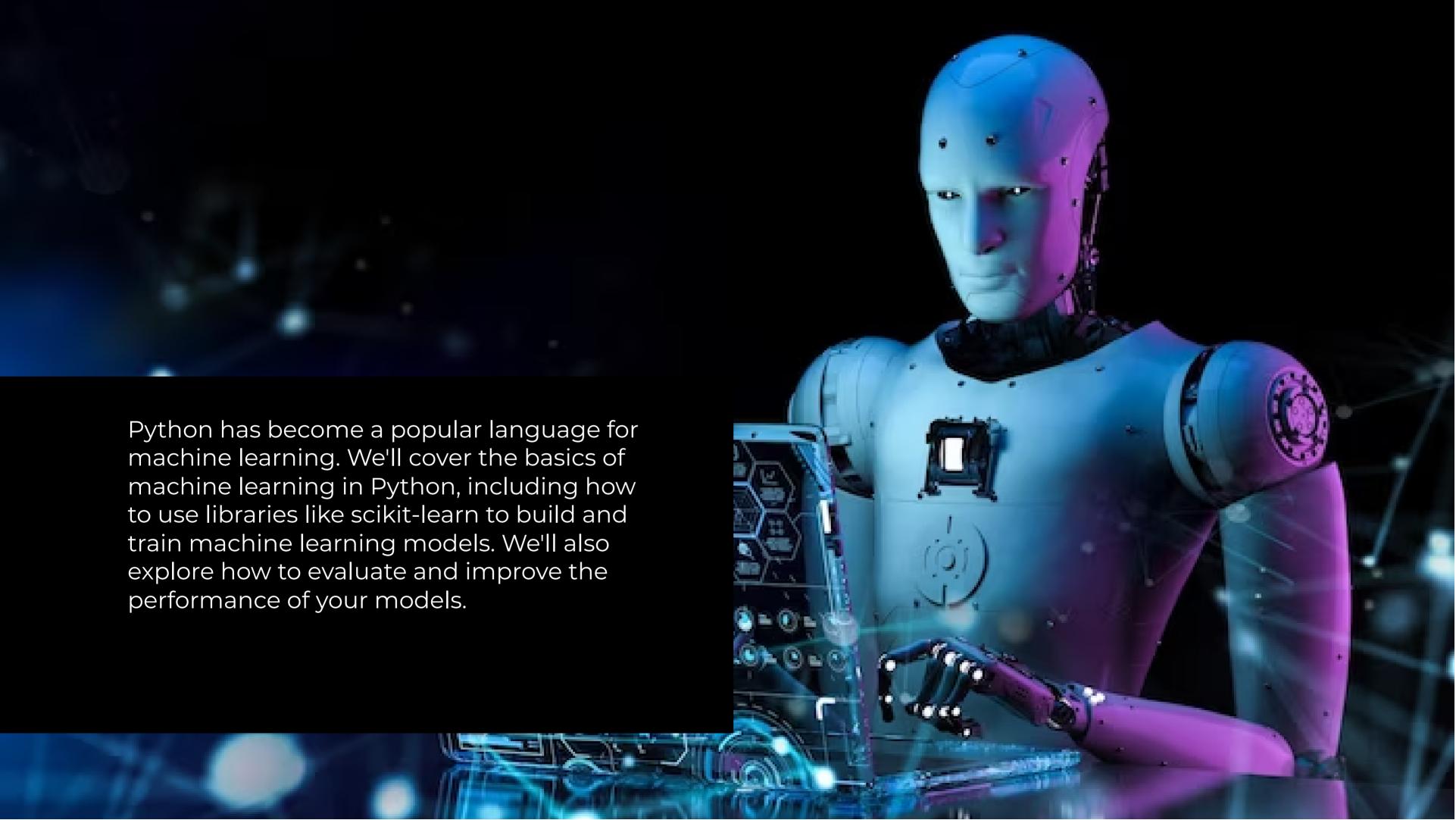
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Web Scraping About the project

Web scraping is a technique for extracting data from websites. We'll cover how to use Python libraries like BeautifulSoup and Scrapy to scrape data from websites. We'll also explore how to handle common issues like pagination and dynamic content.





Conclusi on Where we are

In this presentation, we've covered a comprehensive guide to mastering data manipulation in Python. We've explored various functions and modules that will help you become proficient in handling and analyzing data. With the knowledge gained from this presentation, you'll be well-equipped to tackle any data-related task in Python.



Thanks!

Do you have any questions?

S. THOWFIQ