

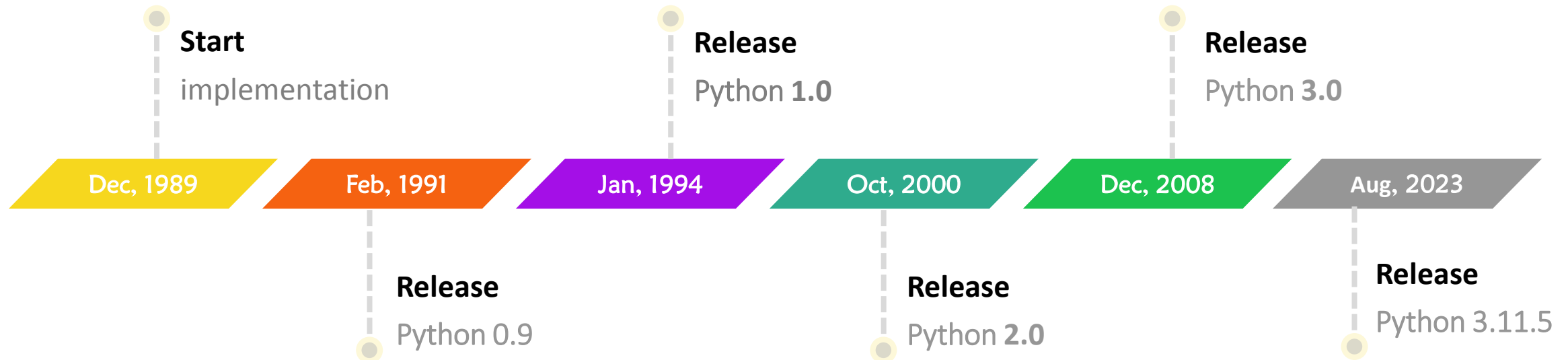
Overview of *Python* Programming Language

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Introduction

- ❖ Python is a **High-Level Programming Language** which is Extremely **user friendly**
- ❖ Python was created by **Guido van Rossum**, and first released on **February 20, 1991**.



Why Python?

Strong Community Support

Python boasts a large, active community that continually contributes to its vast library ecosystem.

Versatile and Powerful

Python is used across a broad range of applications including web development, data analysis, artificial intelligence.

Ease of Learning and Use

With a simple and readable syntax, Python is easy to learn for beginners.

Robust Library Ecosystem

Python's extensive array of libraries and frameworks, like NumPy, Pandas, and Django, simplifies complex application development.

Platform Independent

Python can run on various operating systems including Windows, macOS, and Linux, with minimal to no modifications.





Web

Python, with frameworks like **Django** and **Flask**, facilitates robust web application development.

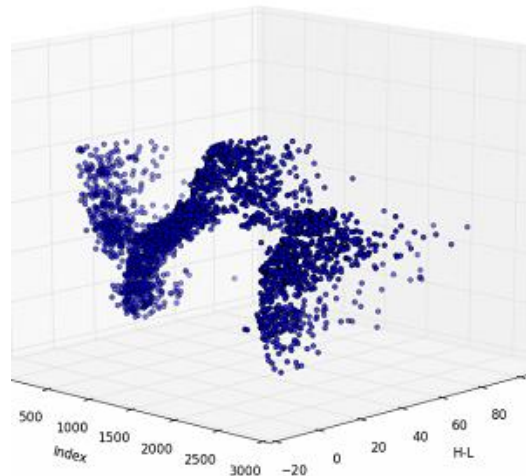


AI

Utilized for machine learning and deep learning via libraries like **TensorFlow** and **Keras**.

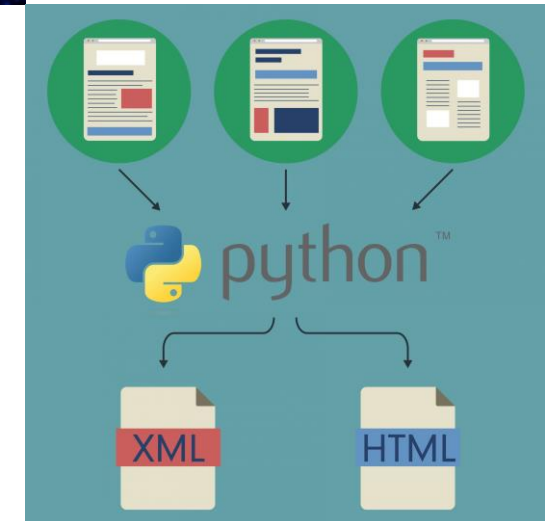
Data Analysis

Employed for statistical analysis and data visualization with libraries like **Pandas** and **Matplotlib**.



Web Scrapping

Python enables web scraping through libraries like **BeautifulSoup** and **Scrapy**, allowing data extraction from websites.



References

- ❖ <https://www.w3schools.com/python/>
- ❖ <https://www.geeksforgeeks.org/python-programming-language/>
- ❖ <https://www.python.org/>



Thank you for your attention!



I hope you enjoy it!

