5 MOST IMPORTANT

PYTHON LIBRARIES FOR DATA SCIENCE

SWIPE →

01/NumPy

It is the fundamental Python library for scientific computing.

Benefits of using NumPy for data science are:

- It provides powerful N-Dimensional arrays
- It provides a large variety of numerical computing tools
- It is interoperable
- Easy to use and learn

It offers comprehensive mathematical functions, random number generation, linear algebra functions, Fourier transforms, and many other numerical calculation tools.

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02/Pandas

Pandas is the foundational building block for real-world data analysis with Python.

It provides a very fast and efficient DataFrame object for data analysis and manipulation.

From reading a dataset to preparing the data, the pandas library is used everywhere in a data science task.

It is undoubtedly one of the most important Python libraries for data science.

03/Matplotlib

It is a data visualization library for creating static, animated, and interactive visualizations using Python.

Some of the features provided by matplotlib are:

- used to generate publication-quality visualizations
- can create interactive figures
- customizable visual styles and layouts
- can export visualizations to many file formats

04/Scikit-Learn

Scikit-learn is one of the most important data science Python libraries for implementing machine learning algorithms using Python.

It provides simple and efficient tools for implementing machine learning algorithms for classification, regression, clustering, dimensionality reduction, model selection, preprocessing, etc.

Spotify is one of the biggest names among companies using Scikit-learn.

05/TensorFlow

TensorFlow is an open-source framework for machine learning.

Companies like Google, Spotify, Twitter, Airbnb, Intel and much more use TensorFlow in their applications.

You can use TensorFlow for both machine learning and deep learning.

It was developed by Google, and Google itself provides a lot of resources for learning TensorFlow using Python.

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