**Why use Python for Data Analysis?**

Python is a powerful programming language for data analysis because of its flexibility, huge library collections, graphics, visualizations, and built-in data analytics tools. Some of the key libraries for data analysis in Python include:

* **Numpy**: a library for numerical computing in Python.
* **Pandas**: a library for data manipulation and analysis.
* **Matplotlib and Seaborn:** a library for data visualizations.
* **Scikit-learn**: a library for machine learning.

**Python Packages used in Data Analysis?**

Python is a collection of functions and methods that allows you to perform a lot of activities without writing any code. Python libraries usually contain built-in modules with different functionalities that can be directly used.

Some commonly used Python packages include:

* **NumPy:** This package is used for numerical computing in Python. It provides tools for working with arrays. Using this package you can work with multidimensional arrays or matrix and can even do advanced mathematical operations in a easy and faster way.
* **Pandas:** This package provide easy-to-use data structure and data analysis tools, which is used for data cleaning, preparation & exploration.
* **Matplotlib:** This package is used to create 2D graphs, charts and maps by using python script.
* **Seaborn:** This package is built on top of Matplotlib. Seaborn provides advanced visualization options like heat-maps, time series and violin plot.
* **SciPy:** It is collection of scientific computing tools for Python. It includes modules for optimization, integration, linear algebra and more.
* **Scikit-learn:** This package provides a wide range of statistical models & tests for Python. It includes tools for regression, classification, clustering, and dimensionality reduction.
* **Statsmodels:** This package provides a wide range of statistical models & tests for Python. It includes tools for regression time-series analysis and hypothesis testing.
* **PySpark:** This is a python library for Apache Spark. It is used for big data processing and analysis.

All these packages can be used individually or in combination to perform a variety of data analysis tasks in python.