**Top Python libraries used in data science**

**NumPy(Numerical Python)**—NumPy is a library for the Python programming language, adding support for large, multi-dimensional arrays and matrices, along with a large collection of high-level mathematical functions to operate on these arrays.

**SciPy(Scientific Python)**—SciPy is a free and open-source Python library used for scientific computing and technical computing. SciPy contains modules for optimization, linear algebra, integration, interpolation, special functions, FFT, signal and image processing

StatsModels—Statsmodels is a Python package that allows users to explore data, estimate statistical models, and perform statistical tests

**Data Manipulation and Analysis**

**Pandas (Python Data Analysis Library)**—pandas is a fast, powerful, flexible and easy to use open source data analysis and manipulation tool, built on top of the Python programming language

Visualization.

**Matplotlib**—Matplotlib is a comprehensive library for creating static, animated, and interactive visualizations in Python.

**Seaborn**—Seaborn is a Python data visualization library based on [**matplotlib**](https://matplotlib.org/). It provides a high-level interface for drawing attractive and informative statistical graphics.

**Scikit-learn**— Machine-learning library. Simple and efficient tools for predictive data analysis

**Keras**—Keras is an open-source software library that provides a Python interface for artificial neural networks. Keras acts as an interface for the TensorFlow library.

**TensorFlow**—TensorFlow is an end-to-end open source platform for machine learning.

**Natural Language Processing (NLP)**

**NLTK(Natural Language Toolkit)**—Used for natural language processing (NLP) tasks.

**TextBlob**—TextBlob is a Python library for processing textual data. It provides a simple API for diving into common natural language processing (NLP) tasks.