**Python Libraries:**

1. **Pandas**

Pandas is a Python library used for working with data sets.It has functions for analysing, cleaning, exploring, and manipulating data.

Panda was created by Wes McKinney in 2008.Pandas allows us to analyze big data and make conclusions based on statistical theories.

Pandas can clean messy data sets, and make them readable and relevant.

Pandas givee data info upon .

* Is there a correlation between two or more columns?
* What is the average value?
* Max value?
* Min value?

Pandas are also able to delete rows that are not relevant, or contain wrong values, like empty or NULL values. This is called cleaning the data.

1. **Numpy**

NumPy is a Python library.NumPy is short for "Numerical Python".It also has functions for working in domain of linear algebra, fourier transform, and matrices.NumPy was created in 2005 by Travis Oliphant. It is an open source project and you can use it freely.

NumPy aims to provide an array object that is up to 50x faster than traditional Python lists.

Numpy mostly acts as a mathmathical library .It is a essential for data science and machine learning.

Arrays are very frequently used in data science, where speed and resources are very important.

NumPy is a Python library and is written partially in Python, but most of the parts that require fast computation are written in C or C++.

1. **Tensorflow**

TensorFlow is an open source software library for high performance numerical computation. Its flexible architecture allows easy deployment of computation across a variety of platforms (CPUs, GPUs, TPUs), and from desktops to clusters of servers to mobile and edge devices.

Originally developed by researchers and engineers from the Google Brain team within Google's AI organization, it comes with strong support for machine learning and deep learning and the flexible numerical computation core is used across many other scientific domains.

1. **Pytorch**

PyTorch is a fully featured framework for building deep learning models, which is a type of machine learning that’s commonly used in applications like image recognition and language processing. Written in Python, it’s relatively easy for most machine learning developers to learn and use. PyTorch is distinctive for its excellent support for GPUs and its use of reverse-mode auto-differentiation, which enables computation graphs to be modified on the fly. This makes it a popular choice for fast experimentation and prototyping.

1. **Sklearn**

Scikit-learn (Sklearn) is the most useful and robust library for machine learning in Python. It is highly used in machine learning and use statitcs for most part and uses almost every part of staicstcal math.It is based upon matoblib and other librries and is mostly written in pyhton.