Python Library Notes

Pandas: This is one of Python's power tools for analysts and users who wish to analyze or manipulate data. Based on the Python language, it creates data structures such as Data Frames for easy handling of complex datasets, thereby letting one clean, analyze, and visualize data efficiently. It is a powerful tools for data science experts.

Numpy is a Python library with very high efficiency for handling huge numerical data sets and arrays. It provides extensive support to multi-dimensional matrices, which helps in performing complicated mathematical operations. Numpy provides the user with the capability to compute large-scale numerical data quickly.

TensorFlow is a very powerful Google library for AI and Machine Learning. It offers a full ecosystem for efficiently building, training, and deploying machine learning models in production. Its flexibility and support for both CPU and GPU processing make it perfectly fit for handling large scale neural network training and covering various machine learning needs.

Keras is a high-level deep learning framework; it can thus be seamlessly integrated to make the neural network-building process very easy. It allows people to build very complex models and makes deep learning more convenient for a large number of people.

Pytorch is a very popular and powerful library for Ai and Deep Learning. It was developed mostly by FAIR Team. (Facebook AI Research Team). It has become a go to for Ai Developers working in python.

SkLearn used to be known as Scikits.learn is a python library for machine learning, also used by a lot of Data Analysts and Data Miners.