

## Tools and Technology required for data science

### 1.SQL

Sql is a structure query language which is used to communicate with data and manage the data in systematic manner .To take data secure the sql is helpful It also help to sort data in simplest form.

### 2.Python-

numpy,pandas,matplotlib,seaborn .Python's pandas is a gateway into the world of data science

### 3.ML-

Machine learning is a field which is used to trained the data .Sklearn is a tool for visualization ,preprocessing ,model fitting ,selection and evaluation.

### 4.BI tools

tools are proprietary or open source application software that are used to collect, process, analyze, sort, filter, and report large quantities of data from internal and external systems

### 5.Deep learning-

It is a subset of machine learning that trains a computer to performs umans likes tasks ,such as speech recognition ,image identification and prediction making.

### 6.nlp

It is a field of data science and artificial intelligence that studies how the computers and languages interacts.

### 7.time series analysis-

It is a specific way of analyzing a sequence of data points collected over an interval of time

## 8.big data-

It extremely large and diverse collections of structured ,unstructured and semistructured data that continues to grow eponentioally over a time .

hadoop,hive,pig etc