

Data Science Tools and Ecosystem

In this notebook, Data Science Tools and Ecosystem are summarized.

Some of the popular languages that Data Scientists use are:

1. R.
2. Julia
3. Scala
4. C/C++
5. JavaScript
6. Java
7. SQL
8. Python

Some of the commonly used libraries used by Data Scientists include:

1. Tensorflow
2. Pandas
3. Matplotlib
4. PyTorch
5. Theano
6. SciPy
7. Numpy

Data Science Tools

Apache Spark

BigML

Jupyter Notebook

Rstudio

Below are a few examples of evaluating arithmetic expressions in Python

```
In [1]: print(10-2+3)
```

11

```
In [2]: print(10%2)
```

0

```
In [4]: print((10%3)+3)
```

4

This a simple arithmetic expression to mutiply then add integers

```
In [5]: (3*4)+5
```

```
Out[5]: 17
```

This will convert 200 minutes to hours by diving by 60

```
In [10]: a=200/60  
print("hours "+str(a))
```

```
hours =3.3333333333333335
```

Objectives:

1. List popular languages for Data Science R. Julia Scala C/C++
2. commenly used libraries Tensorflow Pandas Matplotlib
3. arithmetic operation +,-,%
4. also to understand how to use jupyter notebooks

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