

Data Science Tools and Ecosystem

In this notebook, Data Science Tools and Ecosystem are summarized. such as Some of the popular languages, commonly used libraries, Data Science Tools, few examples of evaluating arithmetic expressions in Python.

Objectives:

- List of popular languages for Data Science
- List of the commonly used libraries used by Data Scientists
- List of development environment open source tools used in data science
- Few examples of evaluating arithmetic expressions in Python

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Some of the popular languages that Data Scientists use are:

1. Python
2. R
3. SQL
4. Java
5. Julia
6. Scala

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

1. Pandas
2. Numpy
3. Matplotlib
4. Pytorch
5. Scikit
6. Tensorflow
7. Keras
8. Sci-py

Development environment open source tools used in data science

Data Science Tools

- 1 Rstudio
- 2 Apache Spark
- 3 Jupyter Notebook
- 4 GitHub
- 5 Watson Studio

Below are a few examples of evaluating arithmetic expressions in Python

```
#This a simple arithmetic expression to mutiply then add integers  
(3*4)+5
```

```
17
```

```
#This will convert 200 minutes to hours by diving by 60  
# 1 hour = 60minutes  
hour= 200/60  
print(hour)
```

```
3.3333333333333335
```