

Data Science Tools and Ecosystem

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

Objectives:

- List popular languages for Data Science
- List commonly used libraries by Data Scientists
- Make a single column table of Data Science Tools
- Run some examples of evaluating arithmetic expressions in Python

Some of the popular languages that Data Scientists use are:

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

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

1. Pandas
2. Matplotlib
3. Seaborn
4. Vegas
5. NumPy
6. Scikit-Learn
7. PyTorch

Data Science Tools

MySQL

MongoDB

Apache Cassandra

Below are a few examples of evaluating arithmetic expressions in Python

```
In [6]: # This a simple arithmetic expression to mutiply then add integers. E.g:  
(3*4)+5
```

```
Out[6]: 17
```

```
In [9]: # This will convert 200 minutes to hours by diving by 60  
one_hour = 60  
x = 200
```

```
x_in_hours = x/one_hour  
print(x_hours)
```

```
3.3333333333333335
```

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In []: