Data Science Tools and Ecosystem

Author

Francois Louw

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

Objectives:

- List popular languages for Data Science.
- Gain experience using free and open Data Science tools.
- Understand the Data Science environments better.
- Know the roles different parts of Data Science play in the lifecycle of Data.

Some of the popular languages that Data Scientists use are :

1. Python
2. R
3. Java
4. Scala
5. C++

Commonly libraries used by Data Scientists include:

1. Pandas
2. NumPy
3. Scikit-learn
4. Tidyverse
5. ggplot2

Open source Data Science tools

|Data Science Tools|

|RStudio| |Anaconda| |JupyterNotebook|

Below are a few examples of arithmetic expressions in Python

```
In [1]: (3*4)+5 #This is a simple arithmetic expression to multiply then add integers.
Out[1]: 17
```

```
In [2]: 200/60 #This will convert 200 minutes in hours by dividing by 60.
Out[2]: 3.3333333333333335
```