

# Data Science Tools and Ecosystem

In this notebook, Data science tools and Ecosystem are summarized

## Goal List

- Gain knowledge about the types of tools used by data scientists
- Languages used by data scientists
- Identify criteria and functions of data languages
- Identify packages, API, datasets and models
- Description and use of Jupyter and JupyterLab

Some of the popular languages that Data Scientists use are:

1. Python
2. R
3. SQL
4. SCALA
5. JAVA
6. C++
7. JULIA

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

1. PANDAS
2. NUMPY
3. MATPLOTLIB
4. SEABORN
5. SCIKIT-LEARN
6. KERAS

## DATA SCIENCE TOOLS

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MYSQL

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POSTGRESQL

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HADOOP

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Below are a few example of evaluating arithmetic expressions in Python

```
# Arithmetic expression of simple multiplication and addition of integer: (3x4)+5  
a = 3
```

```
b = 4
c = 5

m = a * b
s = m + 5

print("El valor es", s)
El valor es 17

# Conversion de 200 minutes to hours by dividing by 60

min = 200

hours = min / 60

print("La cantidad de horas es:", hours)
La cantidad de horas es: 3.3333333333333335
```

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