

# DataScienceEcosystem

October 15, 2024

## 1 Data Science Tools and Ecosystem

1.1 This notebook reports what was learned in the course.

### Objetivo

- Lenguajes de la Ciencia de Datos. Ventajas de Python, R, SQL y otros lenguajes comunes.
- Conocer en profundidad las diferentes bibliotecas.
- Jupyter Notebook.
- RStudio y GitHub

#### 1.1.1 Exercise 4 - Create a markdown cell to list data science languages

Some of the popular languages that Data Scientists use are:

- R Language
- SQL
- Java \_\_ Python

#### 1.2 Exercise 5 - Create a markdown cell to list data science libraries

- NumPy
- Panda
- TensorFlow
- NumPy

#### 1.3 Exercise 6 - Create a markdown cell with a table of Data Science tools

Data Science tools
Jupyter
Apache
Phython

1.4 Exercise 7 - Create a markdown cell introducing arithmetic expression examples

1.4.1 Below are a few examples of evaluating arithmetic expressions in Python

1.5 Exercise 8 - Create a code cell to multiply and add numbers

1.5.1 In this code cell evaluate the expression  $(3*4)+5$

```
[1]: (3*4)
```

```
[1]: 12
```

1.6 Exercise 9 - Create a code cell to convert minutes to hours

1.6.1 In this code cell write an expression that converts 200 minutes into hours.

This will convert 200 minutes to hours by dividing by 60

```
[4]: 200/60
```

```
[4]: 3.3333333333333335
```

1.7 Exercise 10 - Insert a markdown cell to list Objectives

1.8 Exercise 11 - Create a markdown cell to indicate the Author's name

1.9 Author. Milka Elena Escalera Chávez