

# DataScienceEcosystem

December 13, 2024

## 1 Data Science Tools and Ecosystem

### 1.1 Author

Amilka Diaz

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

**Objectives:** \* Listing popular languages used by Data Scientist \* Commonly used libraries \* Data science tools \* Arithmetic expression examples

Some of the popular languages that Data Scientists use are: 1. Python 2. Java 3. Javascript

Some of the commonly used libraries used by Data Scientists include: 1. Pandas 2. NumPy 3. TensorFlow

### 1.2 | Data Science Tools |

### 1.3 Jupyter Notebooks

### 1.4 Rstudio

### 1.5 ApacheSpark

#### 1.5.1 Below are a few examples of evaluating arithmetic expressions in Python.

```
[ ]: #This a simple arithmetic expression to multiply then add integers  
  
(3*4)+5
```

```
[26]: #this will convert 200 minutes into hours by dividing by 60  
  
hours==200/60  
print(hours)
```

3.3333333333333335