Data Science Tools and Ecosystem

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

Objectives

Objectives:

- List popular languages for Data Science.
- Explore key libraries used in Data Science.
- Understand basic arithmetic operations and order of operations.
- Convert minutes to hours using Python.
- Gain familiarity with Jupyter Notebook and code cells.

Data science languages

- python
- r
- sql
- scala
- julia

most commonly used languages for data science

1. python
2. r
3. sql

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

1. pandas
2. numpy
3. scikt learn
4. tensorflow
5. pytorch

Data Science Tools

Data Science Tools

Jupyter Notebook

RStudio

Visual Studio Code

Below are a few examples of evaluating arithmetic expressions in Python

1. Addition: `2 + 3 = 5`
2. Subtraction: `10 - 5 = 5`
3. Multiplication: `4 * 6 = 24`
4. Division: `15 / 3 = 5`

```python
In [1]: #his a simple arithmetic expression to mutiply then add integers
        result = (3 * 4) + 5
        print(result)
```

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```python
In [2]: #This will convert 200 minutes to hours by diving by 60
        minutes = 200
        hours = minutes / 60
        print(hours)
```

3.3333333333333335

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```python
In [ ]:
```