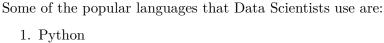
Data Science Ecosystem

March 13, 2025

1 Data Science Tools and Ecosystem

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



- 2. R
- 3. SQL
- 4. Julia
- 5. Java

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

- 1. Pandas
- 2. NumPy
- 3. Scikit-learn
- 4. TensorFlow
- 5. Matplotlib

Data Science Tools

Jupyter Notebook

RStudio

Apache Zeppelin

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

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

[1]: 17

[2]: # This will convert 200 minutes to hours by dividing by 60.
200 / 60

[2]: 3.333333333333333

Objectives:

- List popular languages for Data Science
- Identify commonly used libraries in Data Science
- Introduce open-source development environment tools for Data Science
- Perform basic arithmetic operations in Python
- Convert time units using Python expressions

1.1 Author

Pryson R

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