

DataScienceEcosystem

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1 Data Science Tools and Ecosystem

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

Objectives:

- List popular languages for Data Science
- Understand basic arithmetic operations
- Learn how to use Markdown for formatting
- Explore how to combine multiple expressions in a single line

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

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

Data Science Tools

Jupyter Notebook

RStudio

Apache Zeppelin

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

This is a simple arithmetic expression to multiply then add integers

```
[2]: result = (3 * 4) + 5
result
```

[2]: 17

This will convert 200 minutes to hours by dividing by 60

```
[8]: import math
hours = math.floor(200 / 60)
minutes = 200 % 60
```

```
[10]: print(f'{hours} hours' + (f' and {minutes} minutes' if minutes > 0 else ''))
```

3 hours and 20 minutes

1.1 Author

imed-eddine benmadi