



Data Science Tools and Ecosystem

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

Some of the popular languages that Data Scientists use are:

1. Python
2. R
3. SQL
4. Julia

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

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

Data Science Tools

Jupyter Notebook

RStudio

Apache Zeppelin

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

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

Out[5]: 17

```
In [3]: #This will convert 200 minutes to hours by diving by 60

minutes = 200
hours = minutes // 60      # full hours
remaining = minutes % 60   # leftover minutes
print(hours, "hours and", remaining, "minutes")
```

3 hours and 20 minutes

Objectives:

- List popular languages for Data Science
- Identify common libraries used in Data Science
- Describe what data sets are and where they can be found
- Explain the role of Data Science in real-world applications

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In []:

In []: