

# DataScienceEcosystem

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Add your code below following the instructions given in the course

## 1 Data Science Tools and Ecosystems

**Objectives:** + Popular languages for Data Science + Commonly used libraries used by Data Scientists + Open source tools used in data science + Evaluating arithmetic expressions in Python + Writing expressions as a code to execute

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

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

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

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Data Science Tools

Jupyter Notebook

RStudio

Apache Spark

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

4+4

4\*4

(40+10)\*6

This a simple arithmetic expression to multiply then add integers.

```
[14]: print((3*4)+5)
```

17

This will convert 200 minutes to hours by diving by 60.

```
[17]: print(200/60)
```

3.333333333333335

## 1.1 Author

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