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. Julia

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

1. ggplot (Data visualization)
2. caret (Machine learning)
3. dplyr (Data Manipulation)

Data Science Tools	description
MYSQL	Relational Query Language (SQL) is used to manage and store data
Superset	It is a web application for data exploration and visualization
ModeIDB	Model database that stores information about the model

Below are a few examples of evaluating arithmetic expressions in Python

his a simple arithmetic expression to mutiply then add integers

```
In [6]:   A=3
          B=4
          Result=(A*B)+5
          print(Result)
```

```
In [16]:  Minutes=200
          Result=(Minutes/60)
          print(Result)
```

3.3333333333333335

Objectives of this course

Data Science Tools Categories:

- Data management
- Data integration and transformation
- Data visualization
- Model building
- Model deployment
- Model monitoring and assessment

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