

DataScienceEcosystem

January 22, 2025

Add your code below following the instructions given in the course

1 Data Science Tools and Ecosystem

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

Objectives

- List popular languages for Data Science
- List commonly used libraries for Data Science
- List commonly used Data Science tools
- Evaluate arithmetic expressions in Python

Some of the popular languages that Data Scientists use are:

1. Python
2. SQL
3. R

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

1. Pandas (Data Manipulation and Analysis)
2. Matplotlib (Visualization)
3. Scikit-learn (ML)

Data Science Tools

Jupyter Notebook

RStudio

VSCode

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

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

[3]: 17

```
[4]: # This will convert 200 minutes to hours by dividing by 60
      200/60
```

[4] : 3.333333333333335

1.1 Author

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