

DataScienceEcosystem

March 30, 2025

Add your code below following the instructions given in the course

1 Data Science Tools and Ecosystem

2 In this notebook , Data Science Tools and Ecosystem are summarised.

Objectives: - We learnt about some of the most popular languages that data scientists use. - We learnt some of the most commonly used libraries used by Data Scientists. - We tabulated some of the development environment open source tools used in data science

3 Some of the most popular languages that Data Scientists use are:

1. Python
2. R
3. SQL
4. Scala
5. Java
6. Julia

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

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

Data Science Tools

Jupyter IDE

RStudio

Spyder

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

```
[4]: # This is a simple arithmetic expression to multiply and then add integers
      ↪ (3*4) + 5
      result = (3 * 4) + 5
      print("The result is ", result)
```

The result is 17

```
[5]: # This will convert 200 minutes to hours by dividing by 60
      minutes = 200
      hours = minutes / 60
      print(f"{minutes} minutes is equal to {hours} hours")
```

200 minutes is equal to 3.3333333333333335 hours

4.1 Author

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[ ]:
```