Jupyter_Notebook

November 7, 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.

Some of the popular languages that Data Scientists use are: 1. Python 2. R language 3. SQL 4. Java

Some of the commonly used librareies are: 1. Pandas 2. ApacheSpark 3. DeepLearning TensorFlow 4. Scala

1.1

Data Science Tools

JupyterLab Anaconda VS Code

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

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

```
[11]: 17
```

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

```
[12]: 3
```

Objectives:

- List popular languages for Data Science
- Name 3 commonly used environments in Data Science
- Indicate 3 development environment open source tools used in data science

1.2 Author

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