

DataScienceEcosystem

January 17, 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 in Data Science - List common Data Science Tools - Evaluate simple arithmetic expressions using Python

Some of the popular languages that Data Scientists use are: 1. Python 2. R 3. SQL 4. Scala 5. Java 6. C++ 7. Julia

Some of the commonly used libraries used by Data Scientists include: 1. Pandas 2. NumPy 3. Matplotlib 4. ggplot2 5. Vegas 6. bigDL

Data Science Tools

Jupyter Lab

RStudio

Apache Zeppelin

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

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

[1]: 17

```
[5]: # This will convert 200 minutes to hours by diving by 60
      x=200/60
      print(x); print('hours')
```

3.3333333333333335

hours

1.1 Author

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[ ]:
```