

DataScienceEcosystem

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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
3. Scala
4. SQL

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

1. Scientific computing
2. Visualization
3. Machine learning

Data Science Tools

Jupyter notebook
R Studios
Zeplin Notebooks

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

This a simple arithmetic expression to mutiply then add integers.

```
[62]: # Arithmetic operations
code = compile("(3*4)+5", "<string>", "eval")
eval(code)
```

[62]: 17

This will convert 200 minutes to hours by diving by 60

```
[67]: days = 0
hours = 0
mins = 0

time = 200
#days = time / 1440
```

```
leftover_minutes = time % 1440
hours = leftover_minutes / 60
#mins = time - (days*1440) - (hours*60)
print(str(days) + " days, " + str(hours) + " hours, " + str(mins) + " mins. ")
```

0 days, 3.3333333333333335 hours, 0 mins.

2 Objectives:

- Languages for Data Science
- Libraries used in Data Science
- Data Science Tools
- Arithmetic Expression

2.1 Author

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