

DataScienceEcosystem

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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

List popular languages that Data Scientists use.

List commonly used libraries used by Data Scientists.

Comment on Data Science tools.

Some of the popular languages that Data Scientists use are:

Python

R

SQL

Java

Julia

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

TensorFlow

Numpy

SciPy

Pandas

Matplotlib

Data Science Tools | Tools | ———— | | SAS | | Apache Spark | BigML

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

```
code = compile("5 + 4", "", "eval") eval(code)
```

Output: 9

```
code1 = compile("(5 + 7) * 2", "", "eval") eval(code1)
```

Output:24

This a simple arithmetic expression to mutiply then add integers

```
[17]: (3*4)+5
```

```
[17]: 17
```

This will convert 200 minutes to hours by diving by 60

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

      time = 200
      leftover_minutes = time % 1440
      hours = leftover_minutes / 60
      print(str(days) + " days, " + str(hours) + " hours, " + str(mins) + " mins. ")
```

```
0 days, 3.3333333333333335 hours, 0 mins.
```

Objectives: List popular languages for Data Science

Python

R

SQL

Java

Julia

2 Author:

Germano Costa