

DataScienceEcosystem

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0.1 Data Science Tools and Ecosystem

0.2 In this notebook, Data Science Tools and Ecosystem are summarized.

Objectives: List of popular languages for Data Science

- Sql
- Java
- Scala
- Swift
- R

0.2.1 Some of the popular languages that Data Scientists use are:

- 1.R
- 2.Python
- 3.SQL
- 4.JAVA
- 5.SCALA

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

- 1.R
- 2.Python
- 3.SQL
- 4.JAVA
- 5.SCALA

0.3 Data science tools

IDE-Open Source Tool

Rstudio

Apache Spark

TensorFlow

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

$(1+1)(3-2(4/7(1*5)))$

0.3.2 This a simple arithmetic expression to mutiply then add integers

```
[54]: var1=3
      var2=4
      var3=5
      product=var1*var2
      print("The product of",var1,"and",var2,"is:",product)
      var4=product
      sum=var3+var4
      print("The sum of",var3,"and",var4,"is:",sum)
```

The product of 3 and 4 is: 12

The sum of 5 and 12 is: 17

```
[2]: (3*4)+5
```

```
[2]: 17
```

0.4 This will convert 200 minutes to hours by diving by 60

```
[51]: minutes=200
      hours= minutes // 60
      print(f"{minutes} minutes is equal to {hours} hours")
```

200 minutes is equal to 3 hours

0.5 Author

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[ ]:
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