

# DataScienceEcosystem

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## 1 Data Science tools and Ecosystem

In this notebook, Data Science tools and Ecosystem are summarized

**Objectives** - Popular Languages in Data Science - Commonly used libraries - Few arithmetic expressions in python

Some of the popular languages that Data Scientists use are:

1. R
2. Python
3. Java

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

1. NumPy
2. Matplotlib
3. TensorFlow
4. SciPy

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Data Science Tools

ApacheSpark  
Apache Hadoop  
Apache Hive

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

```
[1]: x=10
      y=15
      z=x+y
      result=z
      print(result)
```

25

```
[2]: 1+1
```

```
[2]: 2
```

```
[3]: 2*6
```

```
[3]: 12
```

```
[8]: (4*6)+2 #This a simple arithmetic expression to multiply then add integer.
```

```
[8]: 26
```

This will convert 200 minutes to hours by diving by 60

```
[11]: minutes=200  
      hours=minutes/60  
      hours
```

```
[11]: 3.3333333333333335
```

### 1.0.2 Author

Vahe Hakobyan

```
[ ]:
```