

DataScienceEcosystem

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1 Data Science Tools and Ecosystem

1.1 Data Science Tools and Ecosystem are summarized

Objectives: * Python

- R studio
- Julia

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

1.Python

2.R studio

3.sql

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

1.Pandas

2.Scikit learn

3.Tensorflow

Data Science Tools

Jupyter Notebooks

RStudio

Apache Zeppelin

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

```
#Addition result_add = 5 + 3
```

```
#Subtraction result_sub = 10 - 4
```

```
#Multiplication result_mul = 6 * 7
```

```
#Division result_div = 20 / 5
```

```
#Exponentiation result_exp = 2 ** 3
```

```
[5]: #This a simple arithmetic expression to mutiply then add integers;
```

```
[6]: (3*4)+5
```

```
[6]: 17
```

```
[7]: # This will convert 200 minutes to hours by diving by 60;
```

```
[8]: minutes = 200  
     hours = minutes / 60  
     print(hours)
```

```
3.3333333333333335
```

1.2 Author

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```
[ ]:
```