

Data Science Tools and Ecosystem

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

Objectives:

- Popular Languages for Data Science
- Libraries used by Data Scientists
- Tools for Data Science
- Simple arithmetic expression

Some of the popular languages that Data Scientist use are:

1. Python
2. SQL
3. R
4. Scala
5. Java
6. C++
7. Julia

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

1. Pandas
2. NumPy
3. Matplotlib
4. Seaborn
5. Scikit-learn
6. Keras
7. TensorFlow
8. PyTorch

```
import pandas as pd
ds_tools = ['Jupyter lab', 'RStudio', 'Spyder']
df = pd.DataFrame(ds_tools)
df.columns = ['Tools for Data Science']
```

df

	Tools for Data Science
0	Jupyter lab
1	RStudio
2	Spyder

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

```
#This is a simple arithmetic expression to multiply then add integers.  
(3*4)+5
```

```
17
```

```
#This will convert 200 minutes to hours by dividing by 60.  
200/60
```

```
3.3333333333333335
```

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