



Data Science Tools and Ecosystems

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

Some of the popular languages that Data Scientists use are:

1. Python
2. R
3. SQL
4. Julia
5. Java
6. Scala
7. MATLAB
8. SAS

Libraries used by Data Scientists

Commonly used libraries by Data Scientists include:

1. NumPy
2. pandas
3. Matplotlib
4. Seaborn
5. scikit-learn
6. TensorFlow
7. Keras
8. PyTorch
9. XGBoost
10. LightGBM
11. Statsmodels
12. SciPy
13. Plotly
14. NLTK
15. spaCy

Data Science Tools

Commonly used tools by Data Scientists are:

1. Jupyter Notebook
2. RStudio
3. VS Code
4. Apache Zeppelin
5. Google Colab
6. Spyder

Below are a few examples of evaluating arithmetic expressions in Python

```
In [1]: 3+4
```

```
Out[1]: 7
```

```
In [2]: # This a simple arithmetic expression to mutiply then add integers  
(3*4)+5
```

```
Out[2]: 17
```

```
In [3]: # This will convert 200 minutes to hours by diving by 60  
200/60
```

```
Out[3]: 3.3333333333333335
```

Objectives:

The objectives of the notebook include knowing the

- Popular languages
- Popular libraries
- Popular data science tools

used by data scientists

Author

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