DataScienceEcosystem

February 9, 2025

1 Data Science Tools and Ecosystem

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

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

- Python
- R
- SQL
- Julia
- Scala
- JavaScript

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

- Matplotlib
- NumPy
- TensorFlow
- SciPy
- Keras
- PyTorch

Data Science Tools
Apache Spark
TensorFlow
Scikit-Learn

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

```
[6]: (3*4)+5 #This a simple arithmetic expression to mutiply then add integers
```

```
[6]: 17
```

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

```
[8]: 3.3333333333333335
```

Objectives: - List popular languages for Data Science - List commonly used libraries used by Data Scientists - Wrtie arithmetic expressions - Create table

1.1 Author:

VISHAL MURMU