# Data Science Tools and Ecosystem

OBJECTIVES:

- Understand the fundamental concepts of data science.
- Learn how to collect, clean, and preprocess data for analysis.
- Explore various data analysis techniques and tools.
- Gain proficiency in programming languages commonly used in data science (e.g., Python and R).
- Acquire knowledge of statistical methods and machine learning algorithms.
- Develop skills in data visualization to effectively communicate insights.
- Apply data science techniques to real-world projects and problems.
- Explore best practices in data ethics and privacy.
- Prepare for a successful career in the field of data science.

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

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

1. Numpy
2. Pandas
3. Seaborn
4. Matplotlib
5. SciPy
6. Keras

# |Data Science Tools|

|Jupyter Notebook| |RStudio| |VS Code|

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

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

Out[2]:  **17**

In [4]:
```python
# This will convert 200 minutes to hours by diving by 60
minutes=200
hours=minutes/60
hours
```

Out[4]:  3.3333333333333335

## Author

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In [ ]: