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Data Science Tools and Ecosystem

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

Objectives:

- Learned how to navigate through GitHub with repositories, branches, commits, pull requests, and merges.
- Gained exposure to the GUI Anaconda and the many computational notebooks it has to offer
- Learned of other visualization packages in R like GGally, plotly, lattice, and leaflet.
- Learned that through VScode, jupyter notebooks can be installed and ran
- Learned that git is Linux-based

Some of the popular languages that Data Scientists use are:

1. Python
2. R
3. Scala

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

1. Scikit-learn
2. Matplotlib
3. Caret
4. ggplot2

Data Science Tools

VS Code

RStudio

Jupyter Notebook

Below are a few examples of evaluating arithmetic expressions in Python

```
In [1]: # this is a simple arithmetic expression to multiply then add integers  
(3*4)+5
```

```
Out[1]: 17
```

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

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