Data Science Tools and Ecosystem

In this notebook, Data Science Tools and Ecosystem are summarized

Objectives:

- markdown cells are used to type text which are not the part of code
- several features are availabe in markdown eg hashtag for header size, double asterik for bold letters,etc
- some of the important data science programming languages, libraries, tools are mentioned
- a basic python code cell is executed with answers
- some of the python arithmetic expressions are mentioned

Some of the popular languages that Data Scientists use are:

1. Python
2. R
3. Java
4. Scala
5. Julia

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

1. TensorFlow.
    2. NumPy.
    3. SciPy.
    4. Pandas.
    5. Matplotlib.
    6. Keras.

Data Science Tools
Tensorflow
Matlab
Tableau
Apache Spark

Below are a few examples of evaluating arithmetic expressions in Python

Arithmetic symbol	Meaning
*	PRODUCT
+	SUM
-	DIFFERENCE
**	EXPONENT
/	QUOTIENT

```
#This a simple arithmetic expression to mutiply then add integers
a=(3*4)+5
print(a)
```

```
    17
```

```
# This will convert 200 minutes to hours by diving by 60
mins=200
hr=mins//60
mi=mins%60
print(hr,"hours" ,mi,"minutes")
```

```
    3 hours 20 minutes
```

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