

# DataScienceEcosystem

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## 1 Data Science Tools and Ecosystem

This notebook summarizes Data Science Tools and Ecosystem.

Some of the popular languages Data scientists use are: 1. Python 2. R 3. Scala 4. SQL 5. Java 6. C++ 7. Javascript 8. Julia

Some of the common libraries used by Data Scientists are as follows: 1. Pandas 2. NumPy 3. scikitLearn 4. Tensorflow 5. Keras 6. matplotlib 7. seaborn 8. ggplot (R) 9. caret (R) 10. PyTorch 11. Apache Spark 12. VEGAS (Scala) 13. BigDL (Scala)

**Objectives:** - To list popular Languages used in Data Science - To list popular open source tools used in Data Science - To show arithmetic operations in Python - To show how Hours are converted to minutes in Python - To make a Table in Jupyter Notebook - To create ordered and unordered lists in Jupyter Notebook

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Data Science Tools

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RStudio

Spyder

Jupyter

Apache Zeppelin

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**1.0.1 Below are a few examples of evaluating arithmetic expressions in Python:**

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[2]: #This is a simple arithmetic expression to multiply and sum integers  
(3*4)+5
```

[2]: 17

```
[7]: #This will convert 200 minutes to hours by dividing by 60 and print the result  
x=200/60  
print(str(x)+" hours")
```

3.3333333333333335 hours

## 1.1 Author

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