

# Data Science Tools and Ecosystem

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## Introduction

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

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## Objectives:

- List popular languages for Data Science
  - Identify commonly used libraries
  - Demonstrate arithmetic operations
  - Convert minutes to hours
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Some of the popular languages that Data Scientists use are:

```
Top 5 Data Science Languages:  
1. Python  
2. R  
3. SQL  
4. Julia  
5. Scala
```

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

Essential Libraries:

1. Pandas
  2. NumPy
  3. Scikit-learn
  4. TensorFlow
  5. Matplotlib
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## Data Science Tools

Tool	Type
Jupyter	Notebook
VS Code	IDE
Tableau	Visualization

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

```
# This a simple arithmetic expression to mutiply then add integers
```

```
expression = (3*4)+5
```

```
# Returns 17
```

```
# This will convert 200 minutes to hours by diving by 60
```

```
minutes = 200
```

```
hour = 60
```

```
converted = minutes/hour
```

```
# 200 / 60 Returns 3.33 hours
```

```
print(converted + " hours")
```

```
output: 3.33 hours
```

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