Data Science Tools and Ecosystem

Introduction

print("In this notebook, Data Science Tools and Ecosystem are summarized. This notebook will provide an overview of some of the key tools and technologies commonly used in the field of data science, as well as some of the popular libraries and frameworks used to analyze data, build machine learning models, and create visualizations.")

Objectives:

The objectives covered in this notebook include:

- List popular languages for Data Science
- Highlight commonly used libraries in Data Science
- Introduce some popular tools used in Data Science
- Provide examples of evaluating arithmetic expressions in Python
- Convert units of time in Python

By the end of this notebook, you should have a better understanding of some of the key concepts and tools used in the field of Data Science, as well as some practical examples of how to work with numerical data in Python.

Data Science Languages

Some of the popular languages that Data Scientists use are:

1. Python
2. R
3. SQL

Data Science Libraries

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

1. NumPy
2. Pandas
3. Matplotlib
4. Scikit

Data Science Tools

Data Science Tools
Jupyter Notebook
Apache Spark
TensorFlow

Arithmetic Expression Examples

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

In this notebook, we will explore some examples of evaluating arithmetic expressions in Python to help you get started with working with numerical data in Python such as addition, subtraction, multiplication, and division..

2+4 5-3 4*2 4/2 6%3

In [3]:
```
# This is a simple arithmetic expression to multiply then add integers.
3 * 4 + 5
```

Out[3]:
```
17
```

In [4]:
```
# This will convert 200 minutes to hours by dividing by 60.
hours = 200 / 60
rounded_hours = round(hours, 2)
print(rounded_hours)
```

```
3.33
```

Author

My name is Sparks Mhande, and I am the author of this notebook. I hope you find it useful and informative. If you have any feedback or suggestions, please feel free to leave a comment or get in touch with me directly. Thank you for reading!