DataScienceEcosystem

December 28, 2024

Add your code below following the instructions given in the course

1 Notebook

2 Data Science Tools and Ecosystem

3 Introduction

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

Some of the popular languages that Data Scientists use are:

1. Python

2. R

3. SQL

4. Julia

5. Scala

Some of the commonly used libraries used by Data Scientists include: 1. Pandas 2. NumPy 3. Matplotlib 4. Scikit-learn 5. TensorFlow

Data Science Tools
Jupyter Notebook
Apache Spark
RStudio

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

1. **Addition**
   "'python
   result = 5 + 3
   print(result) # Output: 8

4 This is a simple arithmetic expression to multiply then add integers

result = (3 * 4) + 5
print(result) # Expected output: 17

```
[3]: # This will convert 200 minutes to hours by dividing by 60.
     minutes = 200
     hours = minutes / 60
     hours
```

[3]: 3.3333333333333335

Objectives:

- Familiarize with popular programming languages for Data Science.

- Understand key concepts and methods of data analysis.

- Learn statistical approaches for data interpretation.

- Explore data visualization tools.

- Gain knowledge about machine learning and its applications in business.

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<h2>Author</h2>
<p>Your Name</p>
```