Jupyter_Notebook

December 25, 2025

Add your code below following the instructions given in the course

1 Data Science Tools and Ecosystem

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

1.1.1 Objectives:

- Knowing the languages used in data science
- Learn the basics of data science.
- Practice Markdown
- Get your first taste of coding with Python on JupiterNotebook.
- Get an overview of your skills and progress through quizzes and labs.

Some of the popular languages that Data Scientists use are:

1. Python
2. R
3. SQL
4. Java

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

1. Pandas
2. Numpy
3. Matplotlib
4. ggplot2

1.2

Data Science Tools
RStudio
Apache Hadoop

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

This a simple arithmetic expression to mutiply then add integers

```
[9]: # Execute this cell
     (3*4)+5
```

```
[9]: 17
```

This will convert 200 minutes to hours by diving by 60

```
[11]: # Execute this cell
      200/60
```

```
[11]: 3.3333333333333335
```

1.3 Author

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```
[ ]:
```