DataScienceEcosystem

April 15, 2025

Add your code below following the instructions given in the course

[3]:
```
# Criar célula Markdown com título H1
from IPython.display import Markdown, display
display(Markdown("# Data Science Tools and Ecosystem"))

# Criar célula Markdown com introdução
display(Markdown("In this notebook, Data Science Tools and Ecosystem are␣
 ↪summarized."))



# Criar célula Markdown com lista de linguagens
display(Markdown("""
Some of the popular languages that Data Scientists use are:
1. Python
2. R
3. SQL
"""))



# Criar célula Markdown com lista de bibliotecas
display(Markdown("""
Some of the commonly used libraries used by Data Scientists include:
1. Pandas
2. NumPy
3. Matplotlib
"""))



# Criar célula Markdown com tabela de ferramentas
display(Markdown("""
| Data Science Tools |
|--------------------|
| Jupyter Notebook   |
| RStudio            |
| Apache Zeppelin    |
"""))
```

```
# Criar célula Markdown com título para exemplos de expressões aritméticas
display(Markdown("### Below are a few examples of evaluating arithmetic␣
 ↪expressions in Python"))


# Criar célula de código para multiplicação e adição de números
print("# This is a simple arithmetic expression to multiply then add integers")
print((3*4)+5)


# Criar célula de código para converter minutos para horas
print("# This will convert 200 minutes to hours by dividing by 60")
print(200 / 60)


# Criar célula Markdown com lista de objetivos
display(Markdown("""
**Objectives:**
- List popular languages for Data Science
- Describe common libraries used in Data Science
- Illustrate open-source tools for development
"""))


# Criar célula Markdown para incluir o nome do autor
display(Markdown("""
## Author
Anderson M.
"""))
```

1 Data Science Tools and Ecosystem

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

Some of the commonly used libraries used by Data Scientists include: 1. Pandas 2. NumPy 3. Matplotlib

Data Science Tools
Jupyter Notebook
RStudio
Apache Zeppelin

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

```
# This is a simple arithmetic expression to multiply then add integers
17
```

```
# This will convert 200 minutes to hours by dividing by 60
3.3333333333333335
```

Objectives: - List popular languages for Data Science - Describe common libraries used in Data Science - Illustrate open-source tools for development

1.1 Author

Anderson M.

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