

The image shows a screenshot of a Jupyter Notebook environment within the Visual Studio Code editor. On the left side, the 'EXPLORADOR' (Explorer) panel is open, showing a file tree under the 'COURSERA' folder. The file 'DataScienceEcosystem.ipynb' is selected and highlighted in green. Below it, a file named 'Prueba Sinc Git bash.txt' is visible. The main editor area on the right displays the content of the selected notebook, which is a title 'Data Science Tools and Ecosystem' in a large, white font on a dark background. The top of the interface shows the standard VS Code menu bar with options like 'Archivo', 'Editar', 'Selección', 'Ver', 'Ir', 'Ejecutar', and 'Terminal'. The bottom status bar indicates the current file is 'main*' and shows various icons for file operations and a 'Select Postgres Server' button. The overall theme is dark, typical of VS Code.

Archivo

Editar

Selección

Ver

Ir

Ejecutar

Terminal

...

←

→

Coursera

EXPLORADOR

COURSERA

Coursera

DS Fundamentals Final Assig...

DataScienceEcosystem.ipynb U

Prueba Sinc Git bash.txt

Bienvenido

DataScienceEcosystem.ipynb U

Coursera > DataScienceEcosystem.ipynb > ...

+ Código

+ Markdown

| ▶ Ejecutar todo

≡ Borrar todas las salidas

| ≡ Esquema

...

Seleccionar el kernel

Data Science Tools and Ecosystem

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

ESQUEMA

LÍNEA DE TIEMPO

main*

0 0 0

Select Postgres Server

Celda 2 de 2

ArchivoEditarSelecciónVerIrEjecutarTerminal

Coursera

EXPLORADOR

COURSERA

Coursera

DS Fundamentals Final Assig...

DataScienceEcosystem.ipynb

Prueba Sinc Git bash.txt

ESQUEMA

LÍNEA DE TIEMPO

Bienvenido

DataScienceEcosystem.ipynb

Coursera > DataScienceEcosystem.ipynb > ...

+ Código + Markdown | ▶ Ejecutar todo | ⌵ Borrar todas las salidas | Esquema

Seleccionar el kernel

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: A versatile and widely-used language for data science, with a rich ecosystem of libraries and tools.
2. R: A domain-specific language for statistical computing and graphics, commonly used in academia and research.
3. SQL: A language for managing and manipulating relational databases, essential for working with large datasets.
4. Julia: A high-level, high-performance language for numerical and scientific computing, gaining popularity in data science.

Archivo

Editar

Selección

Ver

Ir

Ejecutar

Terminal

...

←

→

Coursera

EXPLORADOR

...

COURSERA

Coursera

DS Fundamentals Final Assig...

DataScienceEcosystem.ipynb

Prueba Sinc Git bash.txt

ESQUEMA

LÍNEA DE TIEMPO

Bienvenido

DataScienceEcosystem.ipynb

Código

Markdown

Ejecutar todo

Borrar todas las salidas

Esquema

...

Seleccionar el kernel

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: A versatile and widely-used language for data science, with a rich ecosystem of libraries and tools.
2. R: A domain-specific language for statistical computing and graphics, commonly used in academia and research.
3. SQL: A language for managing and manipulating relational databases, essential for working with large datasets.
4. Julia: A high-level, high-performance language for numerical and scientific computing, gaining popularity in data science.

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

1. NumPy: A library for numerical computing in Python.
2. Pandas: A library for data manipulation and analysis in Python.
3. Matplotlib: A library for data visualization in Python.
4. Scikit-learn: A library for machine learning in Python.

main*

0

0

0

Select Postgres Server

Spaces: 4

Celda 3 de 4

Archivo

Editar

Selección

Ver

Ir

Ejecutar

Terminal

...

Coursera

EXPLORADOR

COURSERA

Coursera

DS Fundamentals Final Assig...

DataScienceEcosystem.ipynb

Prueba Sinc Git bash.txt

ESQUEMA

LÍNEA DE TIEMPO

Bienvenido

DataScienceEcosystem.ipynb

Coursera > DataScienceEcosystem.ipynb > Data Science Tools and Ecosystem > Below are a few examples of evaluating arithmetic expressions in Python

+ Código

+ Markdown

Ejecutar todo

Borrar todas las salidas

Esquema

...

Seleccionar el kernel

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: A versatile and widely-used language for data science, with a rich ecosystem of libraries and tools.
2. R: A domain-specific language for statistical computing and graphics, commonly used in academia and research.
3. SQL: A language for managing and manipulating relational databases, essential for working with large datasets.
4. Julia: A high-level, high-performance language for numerical and scientific computing, gaining popularity in data science.

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

1. NumPy: A library for numerical computing in Python.
2. Pandas: A library for data manipulation and analysis in Python.
3. Matplotlib: A library for data visualization in Python.
4. Scikit-learn: A library for machine learning in Python.

Below are a few examples of evaluating arithmetic expressions in Python

main*

0 0

Select Postgres Server

Spaces: 4

Celda 5 de 5

Archivo

Editar

Selección

Ver

Ir

Ejecutar

Terminal

...

←

→

Coursera

EXPLORADOR

COURSERA

Coursera

DS Fundamentals Final Assig...

DataScienceEcosystem.ipynb

Prueba Sinc Git bash.txt

Bienvenido

DataScienceEcosystem.ipynb

Coursera > DataScienceEcosystem.ipynb > ...

+ Código

+ Markdown

Ejecutar todo

Reiniciar

Borrar todas las salidas

Variables

Esquema

...

Python 3.12.3

Some of the popular languages that Data Scientists use are:

1. Python: A versatile and widely-used language for data science, with a rich ecosystem of libraries and tools.
2. R: A domain-specific language for statistical computing and graphics, commonly used in academia and research.
3. SQL: A language for managing and manipulating relational databases, essential for working with large datasets.
4. Julia: A high-level, high-performance language for numerical and scientific computing, gaining popularity in data science.

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

1. NumPy: A library for numerical computing in Python.
2. Pandas: A library for data manipulation and analysis in Python.
3. Matplotlib: A library for data visualization in Python.
4. Scikit-learn: A library for machine learning in Python.

Below are a few examples of evaluating arithmetic expressions in Python

▶

▼

```
# This a simple arithmetic expression to mutiply then add integers  
  
(3*4)+5
```

[3]

✓

0.0s

Python

...

17

ESQUEMA

LÍNEA DE TIEMPO

main*

0 0 0

0

Select Postgres Server

Spaces: 4 CRLF Celda 6 de 6

Archivo

Editar

Selección

Ver

Ir

Ejecutar

Terminal

...

Coursera

Python 3.12.3

EXPLORADOR

COURSERA

Coursera

DS Fundamentals Final Assig...

DataScienceEcosystem.ipynb

Prueba Sinc Git bash.txt

ESQUEMA

LÍNEA DE TIEMPO

Bienvenido

DataScienceEcosystem.ipynb

Código

Markdown

Ejecutar todo

Reiniciar

Borrar todas las salidas

Variables

Esquema

...

1. NumPy: A library for numerical computing in Python.

2. Pandas: A library for data manipulation and analysis in Python.

3. Matplotlib: A library for data visualization in Python.

4. Scikit-learn: A library for machine learning in Python.

Below are a few examples of evaluating arithmetic expressions in Python

This a simple arithmetic expression to mutiply then add integers

(3*4)+5

[3] ✓ 0.0s

Python

...

17

This will convert 200 minutes to hours by diving by 60

print('La conversion de 200 minutos a horas es:',200/60)

[4] ✓ 0.0s

Python

...

La conversion de 200 minutos a horas es: 3.3333333333333335

main*

0 0 0

Select Postgres Server

Spaces: 4

CRLF

Celda 7 de 7

🔔

🔗

Archivo

Editar

Selección

Ver

Ir

Ejecutar

Terminal

...

Coursera

EXPLORADOR

COURSERA

Coursera

DS Fundamentals Final Assig...

DataScienceEcosystem.ipynb

Prueba Sinc Git bash.txt

Bienvenido

DataScienceEcosystem.ipynb

Código

Markdown

Ejecutar todo

Reiniciar

Borrar todas las salidas

Variables

Esquema

Python 3.12.3

Data Science Tools and Ecosystem

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

Objectives:

- Open a notebook in Jupiter and give it a name
- Learn how to make a markdown in Jupiter's notebook
- Perform simple arithmetic operations
- Learn how to use different tools in markdown mode such as: highlighting text, adjusting the size of headings, displaying ordered lists, among others.

Some of the popular languages that Data Scientists use are:

1. Python: A versatile and widely-used language for data science, with a rich ecosystem of libraries and tools.
2. R: A domain-specific language for statistical computing and graphics, commonly used in academia and research.
3. SQL: A language for managing and manipulating relational databases, essential for working with large datasets.
4. Julia: A high-level, high-performance language for numerical and scientific computing, gaining popularity in data science.

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

1. NumPy: A library for numerical computing in Python.
2. Pandas: A library for data manipulation and analysis in Python.
3. Matplotlib: A library for data visualization in Python.
4. Scikit-learn: A library for machine learning in Python.

Below are a few examples of evaluating arithmetic expressions in Python

EXPLORADOR

COURSERA

Coursera

DS Fundamentals Final Assig...

DataScienceEcosystem.ipynb U

Prueba Sinc Git bash.txt

Bienvenido

DataScienceEcosystem.ipynb U

Coursera > DataScienceEcosystem.ipynb > M4 Data Science Tools and Ecosystem > M4 Author

+ Código

+ Markdown

Ejecutar todo

Reiniciar

Borrar todas las salidas

Variables

Esquema

Python 3.12.3

2. Pandas: A library for data manipulation and analysis in Python.

3. Matplotlib: A library for data visualization in Python.

4. Scikit-learn: A library for machine learning in Python.

Below are a few examples of evaluating arithmetic expressions in Python

This a simple arithmetic expression to mutiply then add integers

(3*4)+5

[3] ✓ 0.0s

Python

17

This will convert 200 minutes to hours by diving by 60

print('La conversion de 200 minutos a horas es:',200/60)

[4] ✓ 0.0s

Python

La conversion de 200 minutos a horas es: 3.3333333333333335

Author

Gustavo Fernandez

ESQUEMA

LÍNEA DE TIEMPO

main*

Select Postgres Server

Spaces: 4

CRLF

Celda 9 de 9

