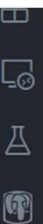


The image shows a screenshot of a Jupyter Notebook environment within the Visual Studio Code editor. The interface is in dark mode. On the left, the Explorer sidebar shows a project named 'COURSERA' with a subfolder 'Coursera' containing a file 'DataScienceEcosystem.ipynb'. The main editor area displays the Jupyter Notebook interface for 'DataScienceEcosystem.ipynb'. The notebook title is 'Data Science Tools and Ecosystem'. The top bar of the notebook shows the file name and a 'U' icon. The right sidebar has a 'Seleccionar el kernel' button. The bottom status bar shows 'main*' and 'Select Postgres Server'. The notebook content area is mostly empty, with the title 'Data Science Tools and Ecosystem' visible at the top.



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.



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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.

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Below are a few examples of evaluating arithmetic expressions in Python

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

[3]

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```
# This will convert 200 minutes to hours by diving by 60

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

[4] Python

... La conversion de 200 minutos a horas es: 3.3333333333333335

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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.

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Author

Gustavo Fernandez

