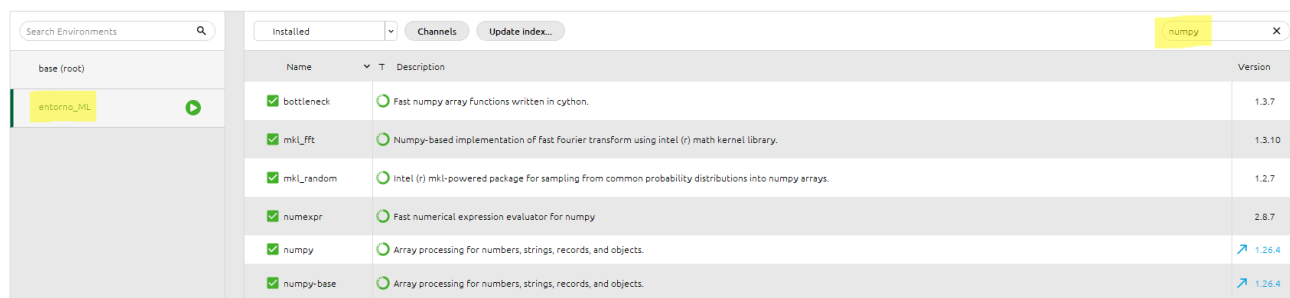


SPRINT 0: INSTALACIÓN Y CONFIGURACIÓN DEL ENTORNO DE TRABAJO PARA MACHINE LEARNING

Crea un entorno virtual en Anaconda con el nombre "entorno_ML" que contenga las librerías necesarias para ML.

He instalado las siguientes librerías en el entorno creado:

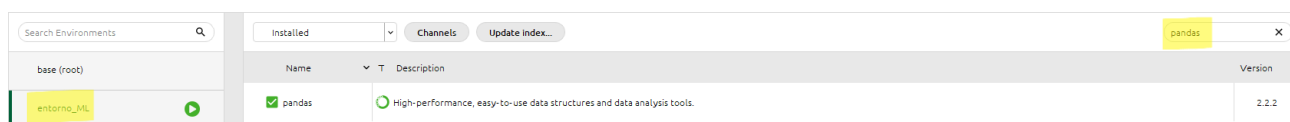
- NumPy



The screenshot shows the Anaconda environment manager interface. On the left, a sidebar lists environments: 'base (root)' and 'entorno_ML'. The 'entorno_ML' environment is selected and highlighted in yellow. The main panel displays a table of installed packages for this environment. The table has columns for 'Name', 'Description', and 'Version'. The installed packages are: bottleneck (Fast numpy array functions written in cython, version 1.3.7), mkl_fft (Numpy-based implementation of Fast Fourier transform using Intel (r) math kernel library, version 1.3.10), mkl_random (Intel (r) mkl-powered package for sampling from common probability distributions into numpy arrays, version 1.2.7), numexpr (Fast numerical expression evaluator for numpy, version 2.8.7), numpy (Array processing for numbers, strings, records, and objects, version 1.26.4), and numpy-base (Array processing for numbers, strings, records, and objects, version 1.26.4). Each package has a green checkmark in the 'Name' column and a green circle in the 'Description' column.

Name	Description	Version
✓ bottleneck	Fast numpy array functions written in cython.	1.3.7
✓ mkl_fft	Numpy-based implementation of Fast Fourier transform using Intel (r) math kernel library.	1.3.10
✓ mkl_random	Intel (r) mkl-powered package for sampling from common probability distributions into numpy arrays.	1.2.7
✓ numexpr	Fast numerical expression evaluator for numpy	2.8.7
✓ numpy	Array processing for numbers, strings, records, and objects.	1.26.4
✓ numpy-base	Array processing for numbers, strings, records, and objects.	1.26.4

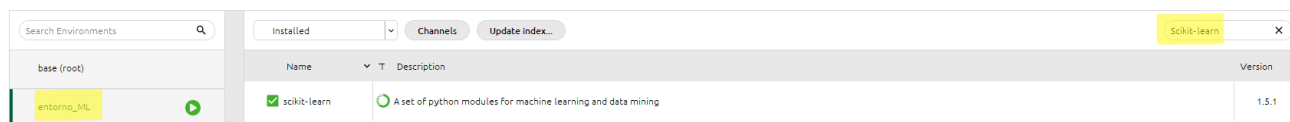
- Pandas



The screenshot shows the Anaconda environment manager interface. On the left, a sidebar lists environments: 'base (root)' and 'entorno_ML'. The 'entorno_ML' environment is selected and highlighted in yellow. The main panel displays a table of installed packages for this environment. The table has columns for 'Name', 'Description', and 'Version'. The installed package is: pandas (High-performance, easy-to-use data structures and data analysis tools, version 2.2.2). It has a green checkmark in the 'Name' column and a green circle in the 'Description' column.

Name	Description	Version
✓ pandas	High-performance, easy-to-use data structures and data analysis tools.	2.2.2

- Scikit-learn



The screenshot shows the Anaconda environment manager interface. On the left, a sidebar lists environments: 'base (root)' and 'entorno_ML'. The 'entorno_ML' environment is selected and highlighted in yellow. The main panel displays a table of installed packages for this environment. The table has columns for 'Name', 'Description', and 'Version'. The installed package is: scikit-learn (A set of python modules for machine learning and data mining, version 1.5.1). It has a green checkmark in the 'Name' column and a green circle in the 'Description' column.

Name	Description	Version
✓ scikit-learn	A set of python modules for machine learning and data mining	1.5.1

- Matplotlib



The screenshot shows the Anaconda environment manager interface. On the left, a sidebar lists environments: 'base (root)' and 'entorno_ML'. The 'entorno_ML' environment is selected and highlighted in yellow. The main panel displays a table of installed packages for this environment. The table has columns for 'Name', 'Description', and 'Version'. The installed packages are: matplotlib (Publication quality figures in python, version 3.9.2) and matplotlib-base (Publication quality figures in python, version 3.9.2). Both have a green checkmark in the 'Name' column and a green circle in the 'Description' column.

Name	Description	Version
✓ matplotlib	Publication quality figures in python	3.9.2
✓ matplotlib-base	Publication quality figures in python	3.9.2

- Seaborn



The screenshot shows the Anaconda environment manager interface. On the left, a sidebar lists environments: 'base (root)' and 'entorno_ML'. The 'entorno_ML' environment is selected and highlighted in yellow. The main panel displays a table of installed packages for this environment. The table has columns for 'Name', 'Description', and 'Version'. The installed package is: seaborn (Statistical data visualization, version 0.13.2). It has a green checkmark in the 'Name' column and a green circle in the 'Description' column.

Name	Description	Version
✓ seaborn	Statistical data visualization	0.13.2

- Streamlit

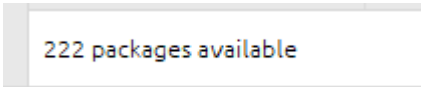


The screenshot shows the Anaconda environment manager interface. On the left, a sidebar lists environments: 'base (root)' and 'entorno_ML'. The 'entorno_ML' environment is selected and highlighted in yellow. The main panel displays a table of installed packages for this environment. The table has columns for 'Name', 'Description', and 'Version'. The installed package is: streamlit (The fastest way to build data apps in python, version 1.37.1). It has a green checkmark in the 'Name' column and a green circle in the 'Description' column.

Name	Description	Version
✓ streamlit	The fastest way to build data apps in python	1.37.1

Adicionalmente, he instalado Jupyter Notebook en este entorno.

Después de instalar todo, el entorno creado contiene un total de 222 paquetes disponibles.

A screenshot of a terminal window with a light gray background. The text "222 packages available" is displayed in a monospaced font. The word "222" is in blue, "packages" is in green, and "available" is in red. The text is positioned on the left side of the terminal, with a vertical gray bar to its left.

222 packages available