1. Install Jupyter

1.1. Local

- Install Python in local machine.
- Install Jupyter lab - the latest version of Jupyter notebooks with some additional functionalities.

  `pip install jupyterlab`

- The following error might occur when running code locally in an Anaconda environment.

  `ImportError: DLL load failed while importing _ssl: The specified module could not be found.`

  Solution:

  Copy `libcrypto-1_1-x64.dll` and `libssl-1_1-x64.dll` files from `C:\ProgramData\Anaconda3\Library\bin` to `C:\ProgramData\Anaconda3\DLLs`.

- It is recommended to use Anaconda to manage your environment. Create a Jupyter kernel from the activated Anaconda environment.

  `python -m ipykernel install --user --name nnfs`

- Open Jupyter notebook by typing in terminal, Jupyter server is opened in a default web brower, select Kernel (env) to work in.

  `jupyter notebook`

- Open Jupyter lab by typing in terminal, Jupyter server is opened in a default web brower, select Kernel (env) to work in.

  `jupyter lab`

1.2. Cloud

Advantages:

- The environment on cloud usually set up with a lot of data science packages aldready loaded.
- Computing resources are available for free (GPU, TPU)

1.2.1. Google Colab

Go to Google Colab with an Google account.

1.2.2. Kaggle Notebook

Go to Kaggle Notebook with an Kaggle account.