Jupyter Notebooks: Basic Requirements

In the tutorial we will work with Jupyter Notebooks (.ipynb files). In order to ensure a smooth workflow, please check if you have a python environment setup, fulfilling the following:

- .ipynb compatibility. You can for example install JupyterLab via

  pip install jupyterlab

  And then run JupyterLab via

  jupyter lab

- The following packages should be installed:
  - numpy (https://numpy.org/)
  - matplotlib (https://matplotlib.org/)
  - skimage (https://scikit-image.org/)
  - torch (https://pytorch.org/)
  - torchvision (https://pytorch.org/vision/stable/index.html)
  - ipywidgets (https://ipywidgets.readthedocs.io/)
  - PyWavelets (https://pywavelets.readthedocs.io/)

  All packages can be installed, e.g., via pip install <package name>.

To test if your setup can be used for the tutorial, we attached a test file named

  Package11-Setup-Test.ipynb.

If you are able to execute this file, then you should be ready to go for the tutorial.

What if I can't get it to run on my machine? :(

If you cannot run Jupyter notebooks on your own machine, you could instead use third-party services like Google Colab.