

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/>)
 - scikit-image (<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/>)
 - panel (<https://panel.holoviz.org/>)

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

```
PackageIO-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](#).