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Programming in Python[1]

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Lecture XVII: Jupyter Notebooks

Using the notebook in a virtual environment

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Since we are now interested in graphics, Jupyter notebooks can be very convenient to see pictures together with the code.

1. We set up a virtual environment as usual
2. With `pip install notebook` we have the Jupyter notebook machinery available
3. I normally want to have also a clean `.py` file, since `.ipynb` do not play well with configuration management (git) and other command line tools like the type checker or doctest: thus I suggest to install `jupytext`; it needs a `jupytext.toml` text file telling `.ipynb` and `.py` files are **paired**, *i.e.,* they are kept synchronized.

   ```
   # Always pair ipynb notebooks to py files
   formats = "ipynb,py:percent"
   ```
4. launch the notebook with `jupyter notebook`