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Programming in Python¹

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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 `jupytertext`; it needs a `jupytertext.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`