

If you have already been working with Jupyter notebooks, with the classical Python packages, you can skip this guide and directly open the notebook file with Jupyter Notebook.

Installation guide for programming exercises in python

- The following steps require a good internet connection.
- We recommend conda for managing your python environment. You can download a conda distribution such as miniconda [here](#).
- Open a terminal, and navigate to the folder where you have the file `exercise0.ipynb`. You can do that with the command `cd path_to_folder`.
- Now you need to create a conda environment. You can do this by running the following command in your terminal:

```
conda create --name bamenv
```

(this might takes some time)

- Then, you need to activate the environment you just created:

```
conda activate bamenv
```

When this is done, you should see the name of the environment at the beginning of the command line, example:

```
(bamenv) user@computer name_of_folder$ ....
```

- Install a couple of packages that are needed

```
conda install python numpy pandas matplotlib
```

- Install jupyter notebook

```
conda install jupyter
```

- (Optional) Install a package to make jupyter look a bit better (subjectively)

```
conda install NbClassic
```

- (Optional) If you want to make your notebooks **even more** sophisticated, you can use some jupyter extensions. For that, you need to install another package. A small guide is available [here](#).
- Now you should be ready to open jupyter notebook! Simply run the following, if you have followed the optional step above:

```
jupyter nbclassic
```

or run the following otherwise:

```
jupyter notebook
```

Eitherway, this should open a new tab in your browser with the jupyter notebook interface. You can simply click on the file `exercise0.ipynb` to open it.

- You can now start working on the exercises. Remember to save your work regularly.

Learn more about Python at home

To learn more about python, you can have a look at the following materials if you feel the need:

- EinfProg an der TF
- Youtube Programming Course
- Think python
- Dive into python3
- Guide for python3