
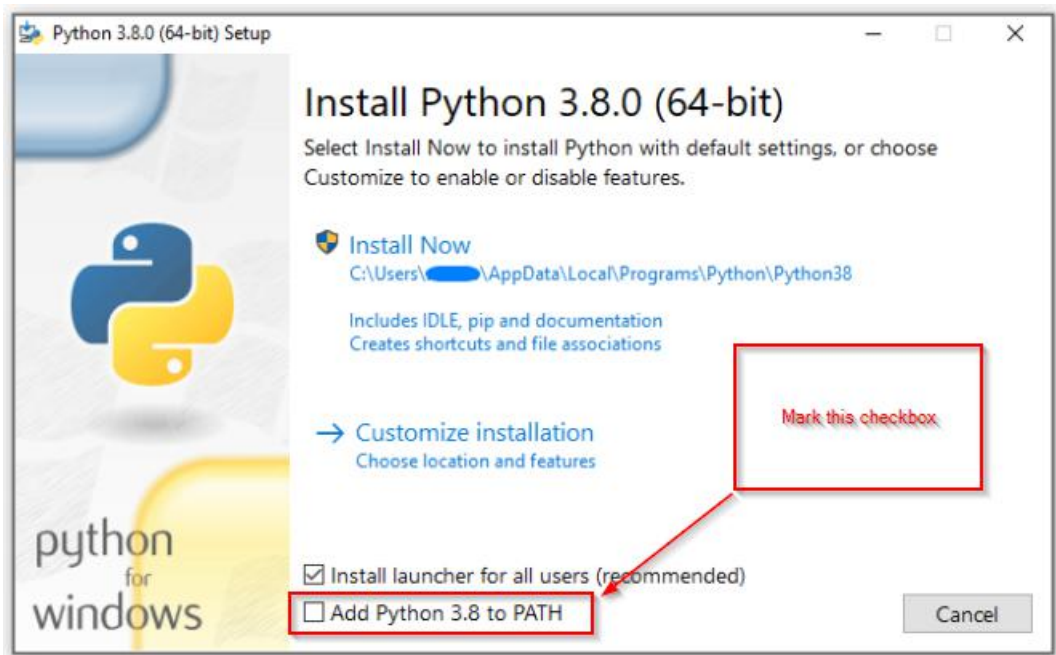


How to deploy Development Environment

1. Install Python:

- a) Latest version: Python 3.8.1 <https://www.python.org/downloads/>
- b)  make sure, that you mark the checkbox: Add to Path



2. Install Jupyter Notebook

- a) Once Python installed, check what packages it has by default installed under **pip**:

Command: **pip list**

```
C:\Users\...>pip list
Package          Version
-----

```

- b) Install Jupyter Notebook

Command: **pip install notebook**

```
C:\Users\...>
C:\Users\...>
C:\Users\...>
C:\Users\...>pip install notebook
```

- c) Verify that the packages have been installed (use the **pip list** command)

Command: **pip list**

```
C:\Users\>
C:\Users\>pip list
Package            Version
-----
attrs              19.3.0
backcall           0.1.0
bleach             3.1.0
colorama           0.4.3
cyclor             0.10.0
decorator          4.4.1
defusedxml         0.6.0
entrypoints        0.3
ipykernel          5.1.4
ipython            7.12.0
ipython-genutils   0.2.0
ipywidgets         7.5.1
jedi               0.16.0
Jinja2             2.11.1
joblib             0.14.1
jsonschema         3.2.0
jupyter            1.0.0
jupyter-client     5.3.4
jupyter-console    6.1.0
jupyter-core       4.6.1
kiwisolver         1.1.0
MarkupSafe         1.1.1
matplotlib         3.1.3
mistune            0.8.4
nbconvert          5.6.1
nbformat           5.0.4
notebook           6.0.3
numpy              1.18.1
pandocfilters      1.4.2
parso              0.6.0
pickleshare        0.7.5
pip                20.0.2
prometheus-client  0.7.1
prompt-toolkit     3.0.3
Pygments           2.5.2
pyparsing          2.4.6
pysistent          0.15.7
python-dateutil    2.8.1
pywin32            227
```

3. Run Jupyter Notebook

- Go to target folder (the location of you project - IPYNB files)
- Command: ***python -m notebook***

```

Microsoft Windows [Version 10.0.18362.592]
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C:\Users\...\Desktop\Maria_test_github\machine_learning_for_dimensionality_reduction-master>python -m notebook
[I 21:15:04.911 NotebookApp] Terminals not available (error was No module named 'winpty.cwinpty')
[I 21:15:04.911 NotebookApp] Serving notebooks from local directory: C:\Users\...\Desktop\Maria_test_github\machine_learning_for_dimensionality_reduction-master
[I 21:15:04.911 NotebookApp] The Jupyter Notebook is running at:
[I 21:15:04.911 NotebookApp] http://localhost:8888/?token=22f70b8bbdf3226f7d4dcc13676cd347065adcc6cd70c0a4
[I 21:15:04.911 NotebookApp] or http://127.0.0.1:8888/?token=22f70b8bbdf3226f7d4dcc13676cd347065adcc6cd70c0a4
[I 21:15:04.911 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).

To access the notebook, open this file in a browser:
file:///C:/Users/.../AppData/Roaming/jupyter/runtime/nbserver-5232-open.html
Or copy and paste one of these URLs:
http://localhost:8888/?token=22f70b8bbdf3226f7d4dcc13676cd347065adcc6cd70c0a4
or http://127.0.0.1:8888/?token=22f70b8bbdf3226f7d4dcc13676cd347065adcc6cd70c0a4
[I 21:15:21.028 NotebookApp] Writing notebook-signing key to C:\Users\.../AppData/Roaming/jupyter/notebook_secret
[W 21:15:21.033 NotebookApp] Notebook SYNASC2019_Dimensionality_reduction_for_PMaSynRM_Machine.ipynb is not trusted
[I 21:15:22.133 NotebookApp] Kernel started: c1b1eb36-da20-494c-81ba-30e378aafeb7
[I 21:17:21.959 NotebookApp] Saving file at /SYNASC2019_Dimensionality_reduction_for_PMaSynRM_Machine.ipynb
[W 21:17:21.960 NotebookApp] Notebook SYNASC2019_Dimensionality_reduction_for_PMaSynRM_Machine.ipynb is not trusted
[I 21:19:22.555 NotebookApp] Saving file at /SYNASC2019_Dimensionality_reduction_for_PMaSynRM_Machine.ipynb

```

In the folder where your project is located, run the command



Do **NOT** close the terminal/cmd window in which you run Jupyter, otherwise it will stop Jupyter from working.



Additional packages that may need to be installed:

1. texttable
2. matplotlib
3. sklearn

Commands:

pip install texttable matplotlib sklearn