

Datenanalyse und Data Mining

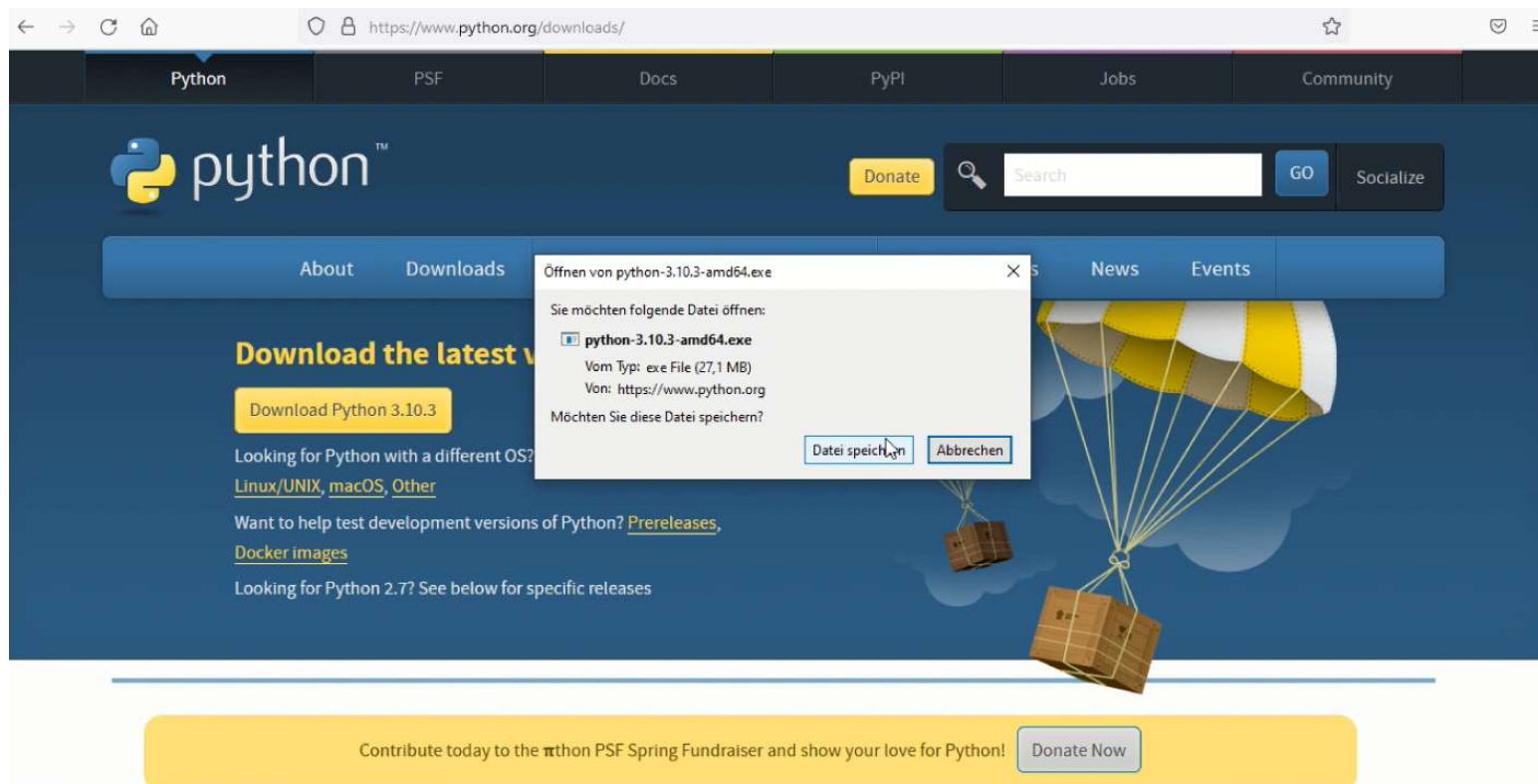
Vorbereitung und

Installation

SS 22 – GI 6
Alexander Pflieger

Installation – Schritt 1: Python

- <https://www.python.org/downloads/>



Installation – Schritt 1: Python

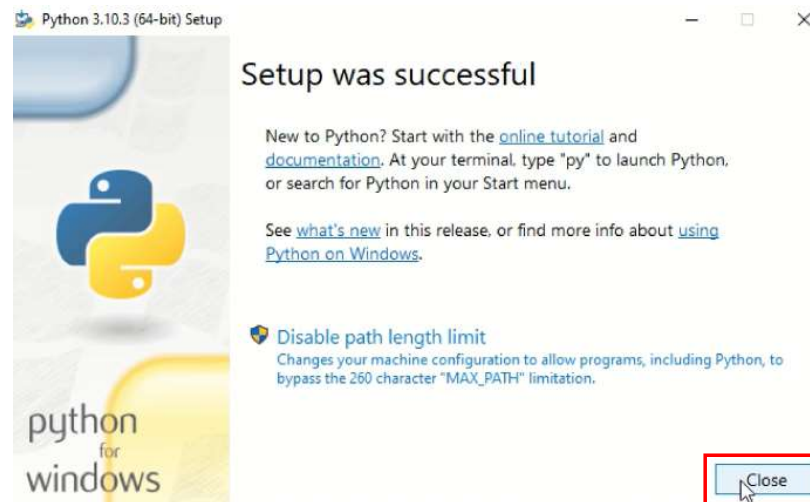
- <https://www.python.org/downloads/>

Achtung: Wichtig!



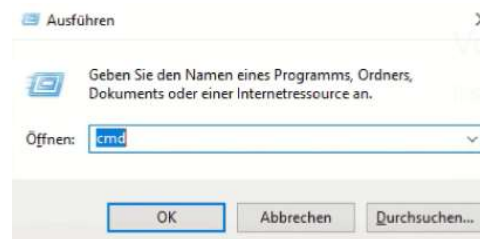
Installation – Schritt 2: Jupyter Notebook

- <https://www.python.org/downloads/>



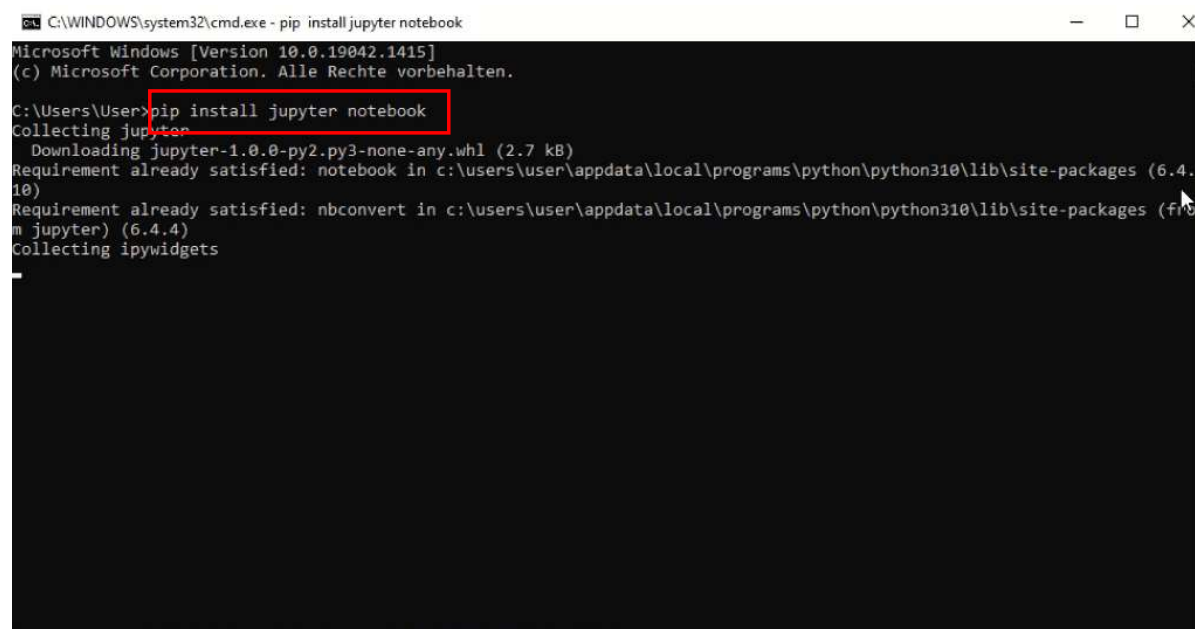
Installation – Schritt 2: Jupyter Notebook

- [Windows] + [R] > cmd > OK



Installation – Schritt 2: Jupyter Notebook

- `pip install jupyter notebook` + [Enter]

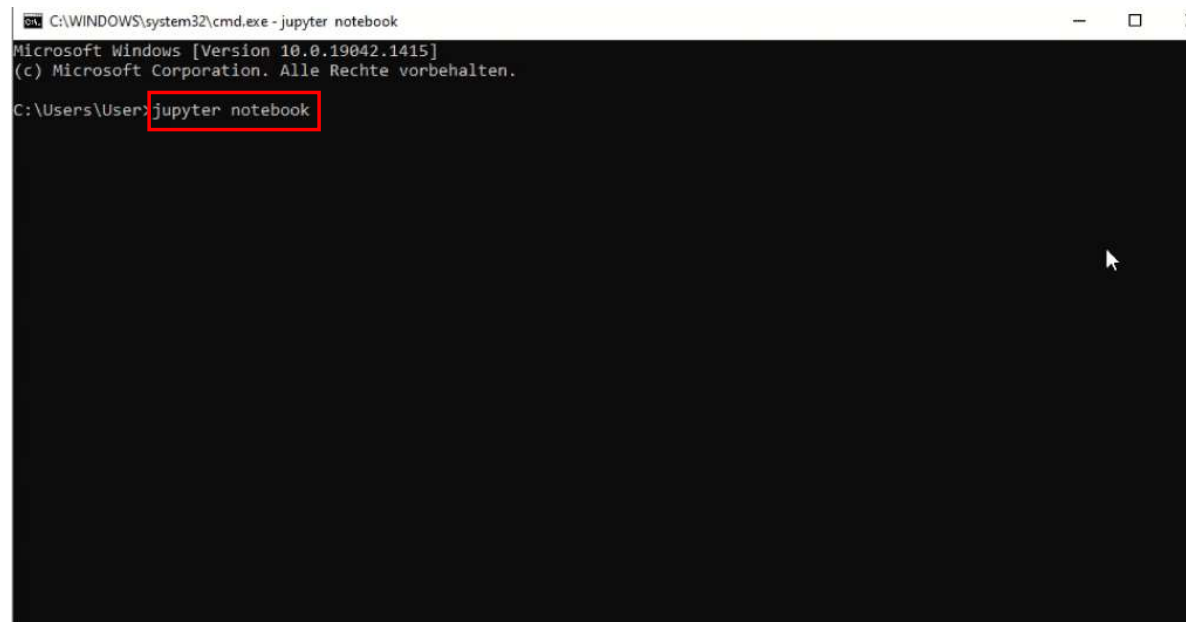


```
C:\WINDOWS\system32\cmd.exe - pip install jupyter notebook
Microsoft Windows [Version 10.0.19042.1415]
(c) Microsoft Corporation. Alle Rechte vorbehalten.

C:\Users\User>pip install jupyter notebook
Collecting jupyter
  Downloading jupyter-1.0.0-py2.py3-none-any.whl (2.7 kB)
Requirement already satisfied: notebook in c:\users\user\appdata\local\programs\python\python310\lib\site-packages (6.4.0)
Requirement already satisfied: nbconvert in c:\users\user\appdata\local\programs\python\python310\lib\site-packages (6.4.0)
Requirement already satisfied: jupyterlab in c:\users\user\appdata\local\programs\python\python310\lib\site-packages (3.0.1)
Collecting ipywidgets
```

Installation – Schritt 2: Jupyter Notebook

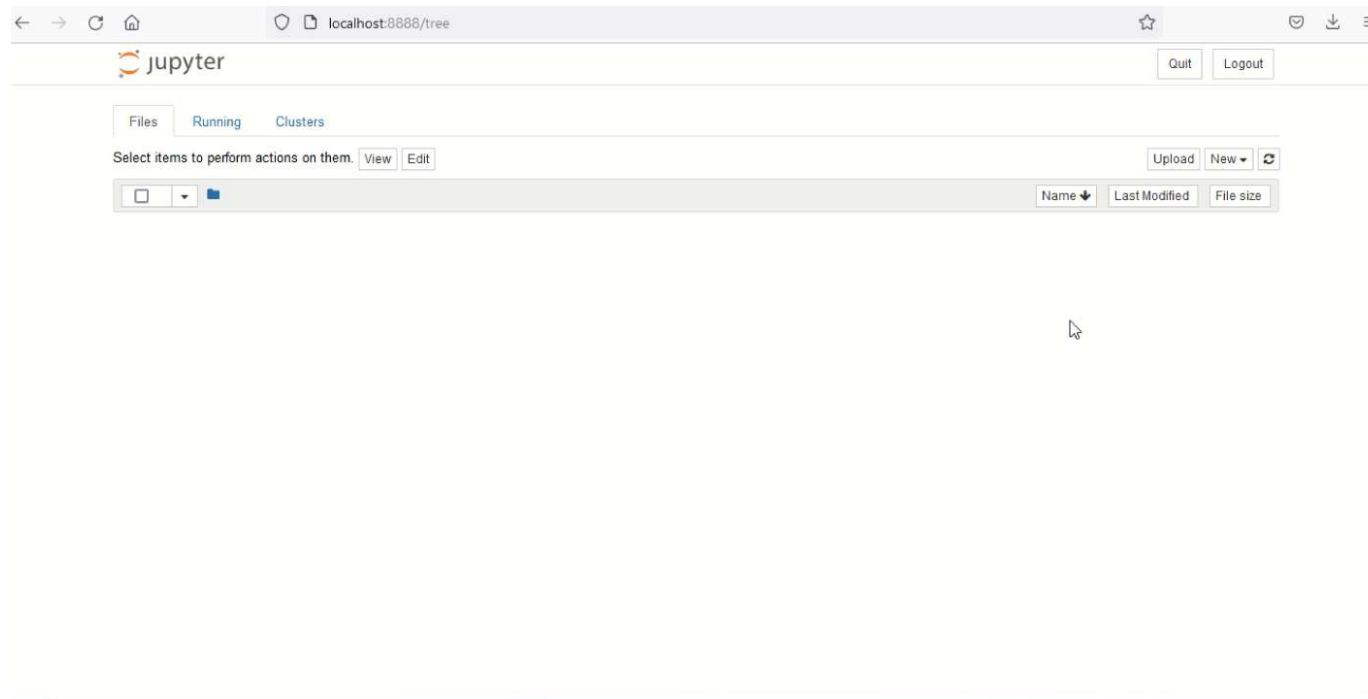
- jupyter notebook + [Enter]



A screenshot of a Windows Command Prompt window. The title bar at the top reads "C:\WINDOWS\system32\cmd.exe - jupyter notebook". The window content shows the following text: "Microsoft Windows [Version 10.0.19042.1415]" and "(c) Microsoft Corporation. Alle Rechte vorbehalten." Below this, the command prompt shows "C:\Users\User> jupyter notebook", where the command "jupyter notebook" is highlighted with a red rectangular box. A mouse cursor is visible on the right side of the window.

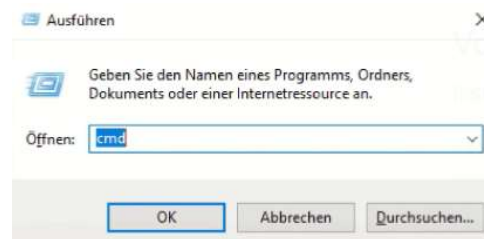
Installation – Schritt 2: Jupyter Notebook

- Wenn alles geklappt hat, müsste folgende Seite im Browser erscheinen



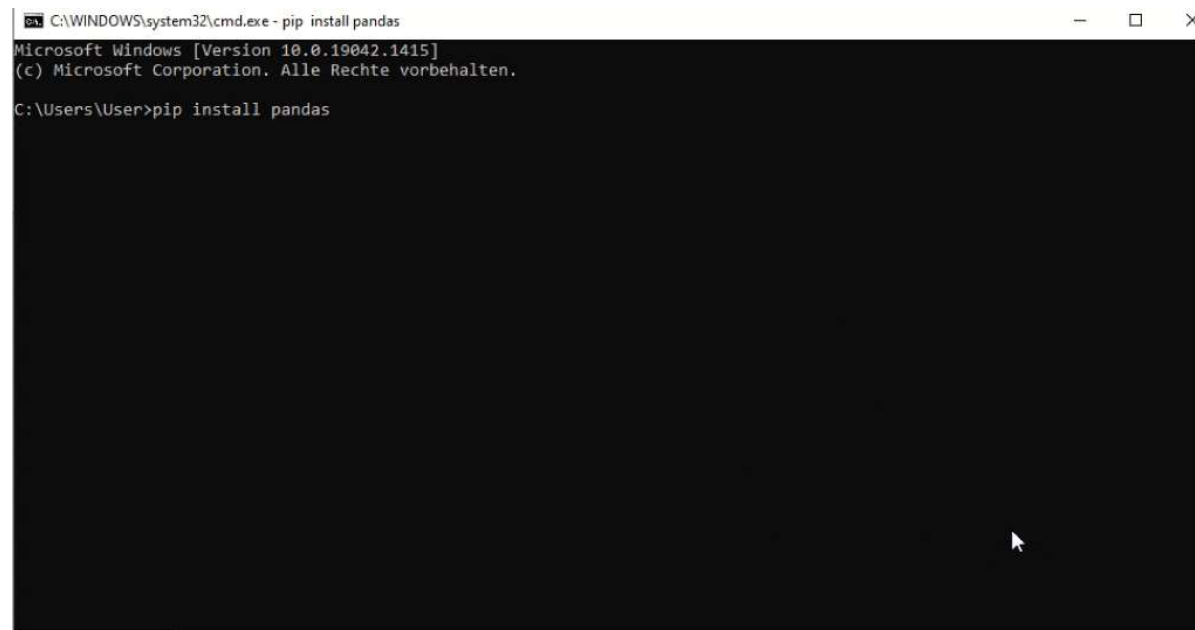
Installation – Schritt 2: Jupyter Notebook

- [Windows] + [R] > cmd > OK



Installation – Schritt 3: Pandas

- pip install pandas + [Enter]



```
C:\WINDOWS\system32\cmd.exe - pip install pandas
Microsoft Windows [Version 10.0.19042.1415]
(c) Microsoft Corporation. Alle Rechte vorbehalten.
C:\Users\User>pip install pandas
```

Installation – Schritt 4: restliche Pakete

- `pip install matplotlib + [Enter]`
- `pip install seaborn + [Enter]`
- `pip install openpyxl + [Enter]`
- **Anmerkung:** numpy sollte normalerweise bereits mit pandas installiert werden.

Anmerkungen:

- numpy sollte normalerweise bereits mit pandas installiert werden.
- Anaconda wird vorerst nicht benötigt.
- Rest besprechen wir später.