

Terrorism_BreakingNews_Script

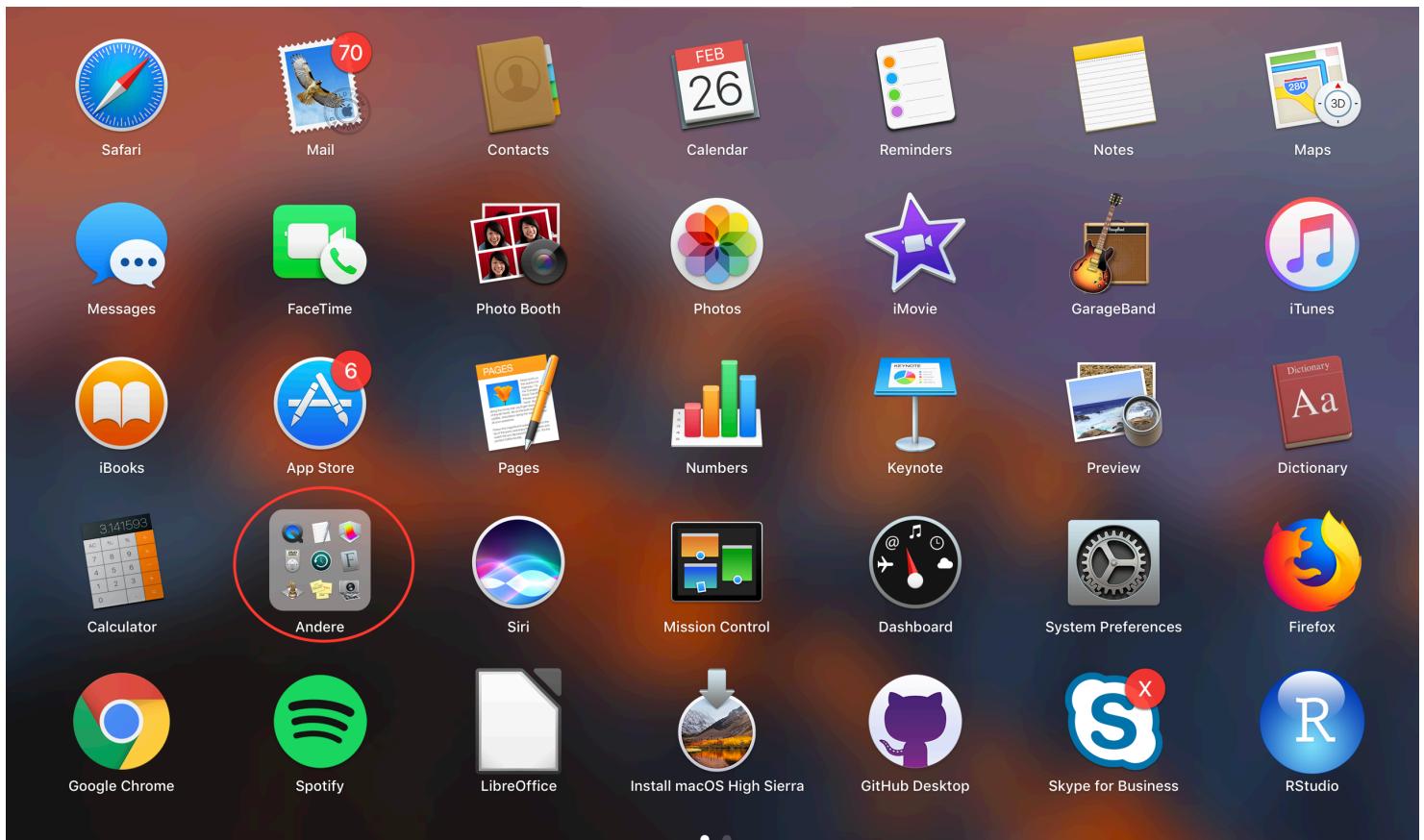
This Readme.md should explain how to set up your Mac to run Jupyter Notebooks and then also how to run a simple python scraper from there.

Setting up your python environment (only needed the first time)

First things first, let's make sure that you can quickly install everything you need. Go to your Launchpad.



Go to "other" / "Andere"



Click on Terminal



Then something like this should appear. This is the "terminal"

```
Last login: Mon Feb 26 09:48:08 on ttys008
Halukas-MacBook-Pro:ValTest halukamaier-borst$
```

Now copy and paste the following code into your terminal

```
ruby -e "$(curl -fsSL https://raw.githubusercontent.com/mxcl/homebrew/go)"
```

Like this:

```
Last login: Mon Feb 26 09:48:08 on ttys008
Halukas-MacBook-Pro:ValTest halukamaier-borst$ ruby -e "$(curl -fsSL https://raw.githubusercontent.com/mxcl/homebrew/go)"
```

And hit "enter"

...wait for brew finishing up its magic.

After this, we want to set up Python3

```
brew install python3
```

And then we want to install the awesome library tool pip3. First do...

```
curl -O http://python-distribute.org/distribute_setup.py
```

Then...

```
sudo python3 distribute_setup.py
```

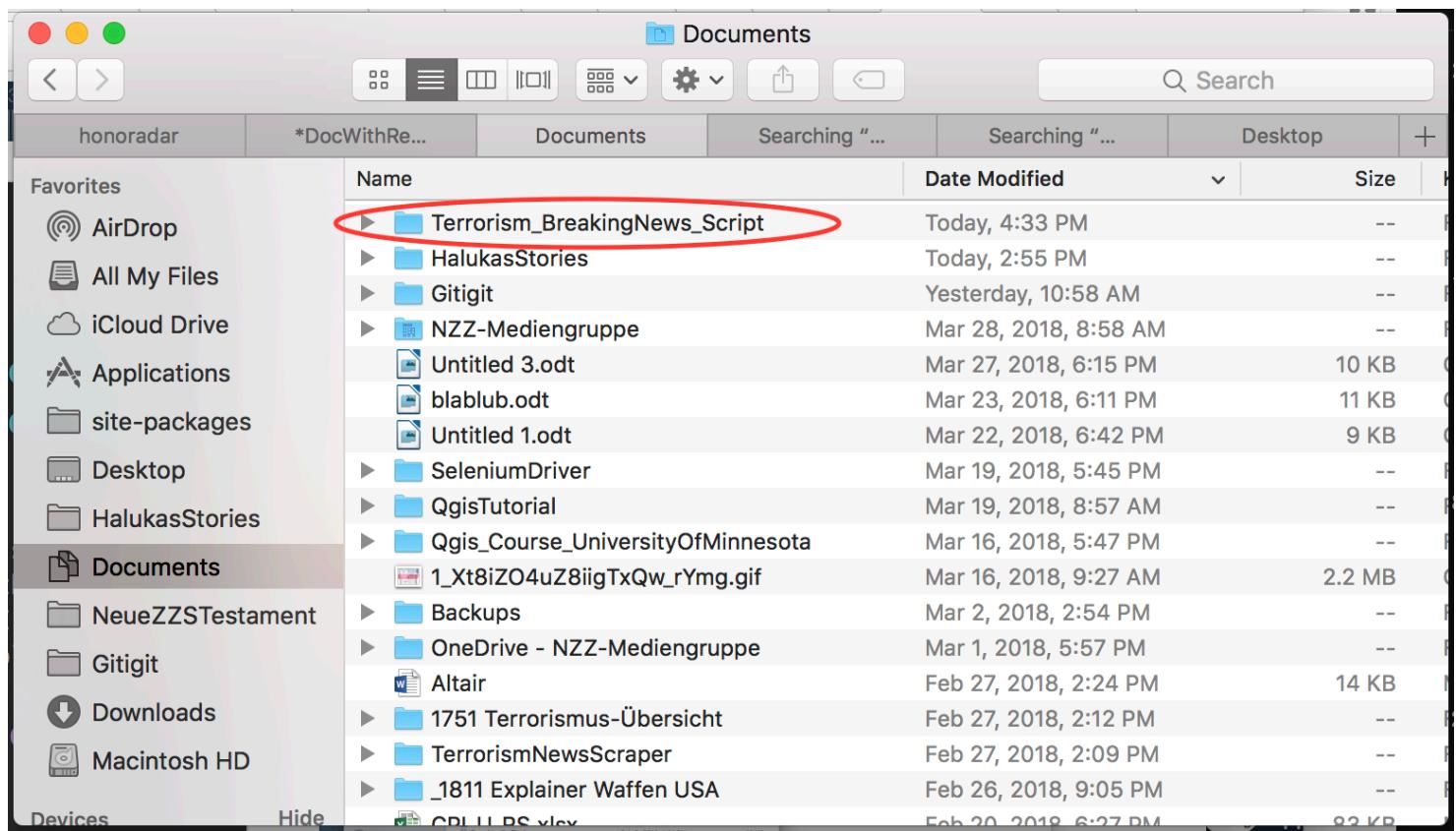
Next... `curl -O https://raw.github.com/pypa/pip/master/contrib/get-pip.py`

And finally.

```
sudo python3 get-pip.py
```

Getting the libraries that you need for this scraper (also only needed the first time)

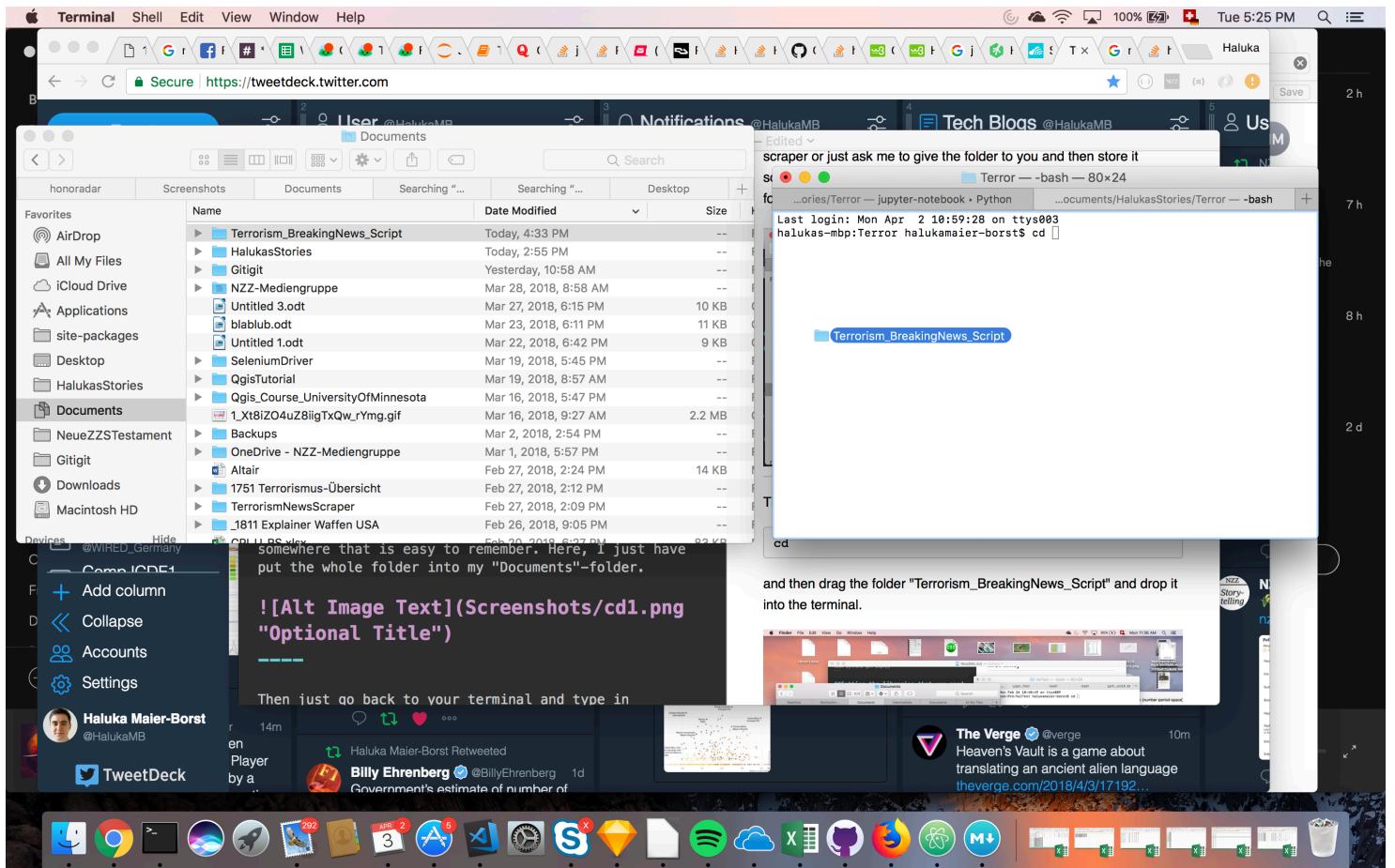
Now download the folder "Terrorism_BreakingNews_Script" with the scraper or just ask me to give the folder to you and then store it somewhere that is easy to remember. Here, I just have put the whole folder into my "Documents"-folder.



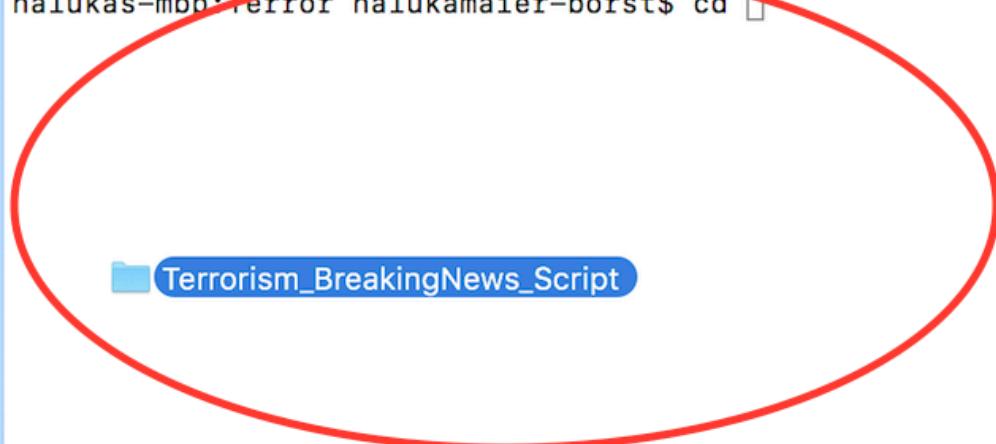
Then just go back to your terminal and type in

```
cd
```

and then drag the folder "Terrorism_BreakingNews_Script" and drop it into the terminal.

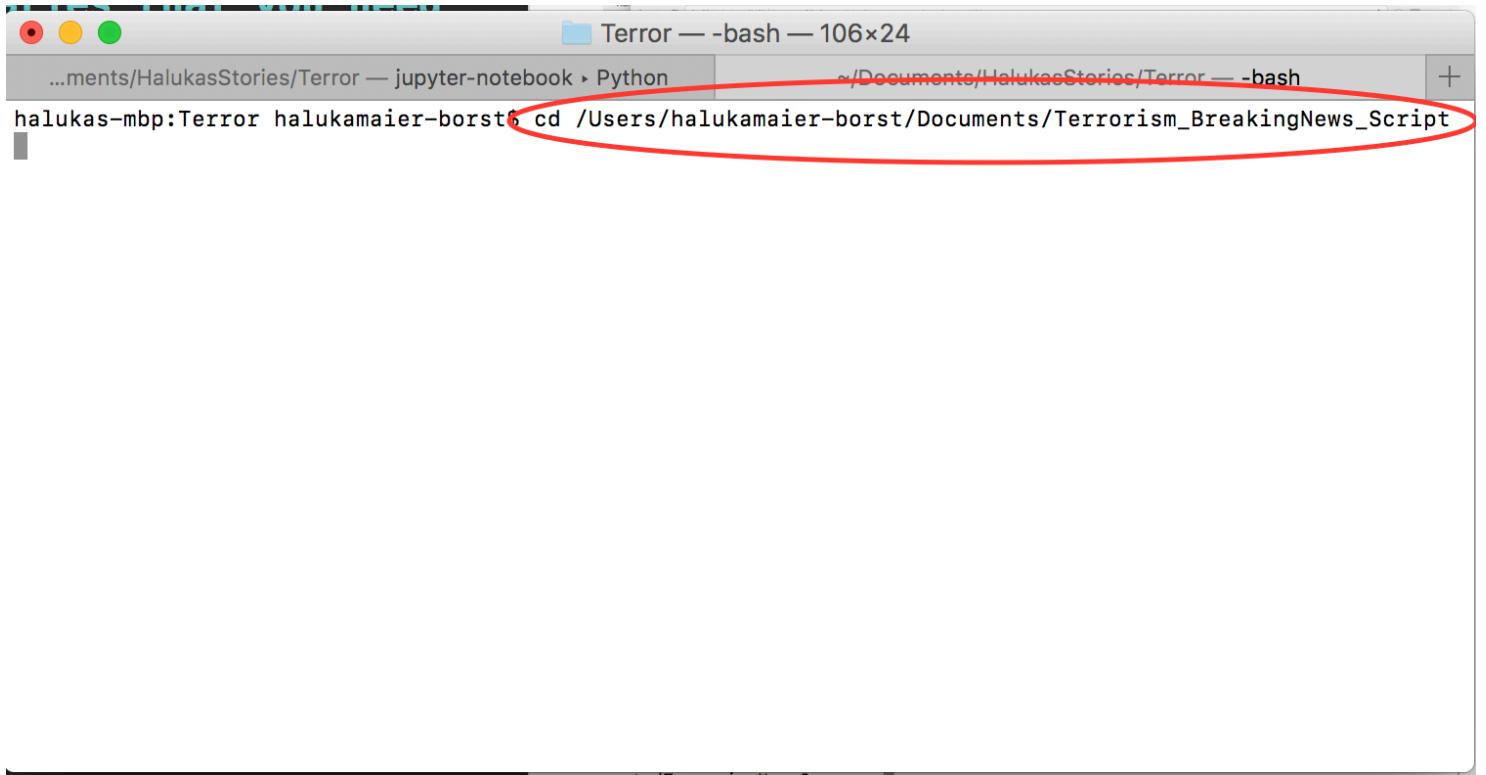


like this



```
...ories/Terror — jupyter-notebook ▸ Python ...ocuments/HalukasStories/Terror — -bash
Last login: Mon Apr 2 10:59:28 on ttys003
halukas-mbp:~ halukamaier-borst$ cd
└── Terrorism_BreakingNews_Script
```

and then this should pop up



```
...ments/HalukasStories/Terror — jupyter-notebook > Python ~/Documents/HalukasStories/Terror — bash  
halukas-mbp:Terror halukamaier-borst$ cd /Users/halukamaier-borst/Documents/Terrorism_BreakingNews_Script
```

Hit enter. Now you are in the folder. Install the libraries that you will need by typing into the terminal.

```
pip3 install -r requirements.txt
```

Once it is done with all the installation processes, you are good to go.

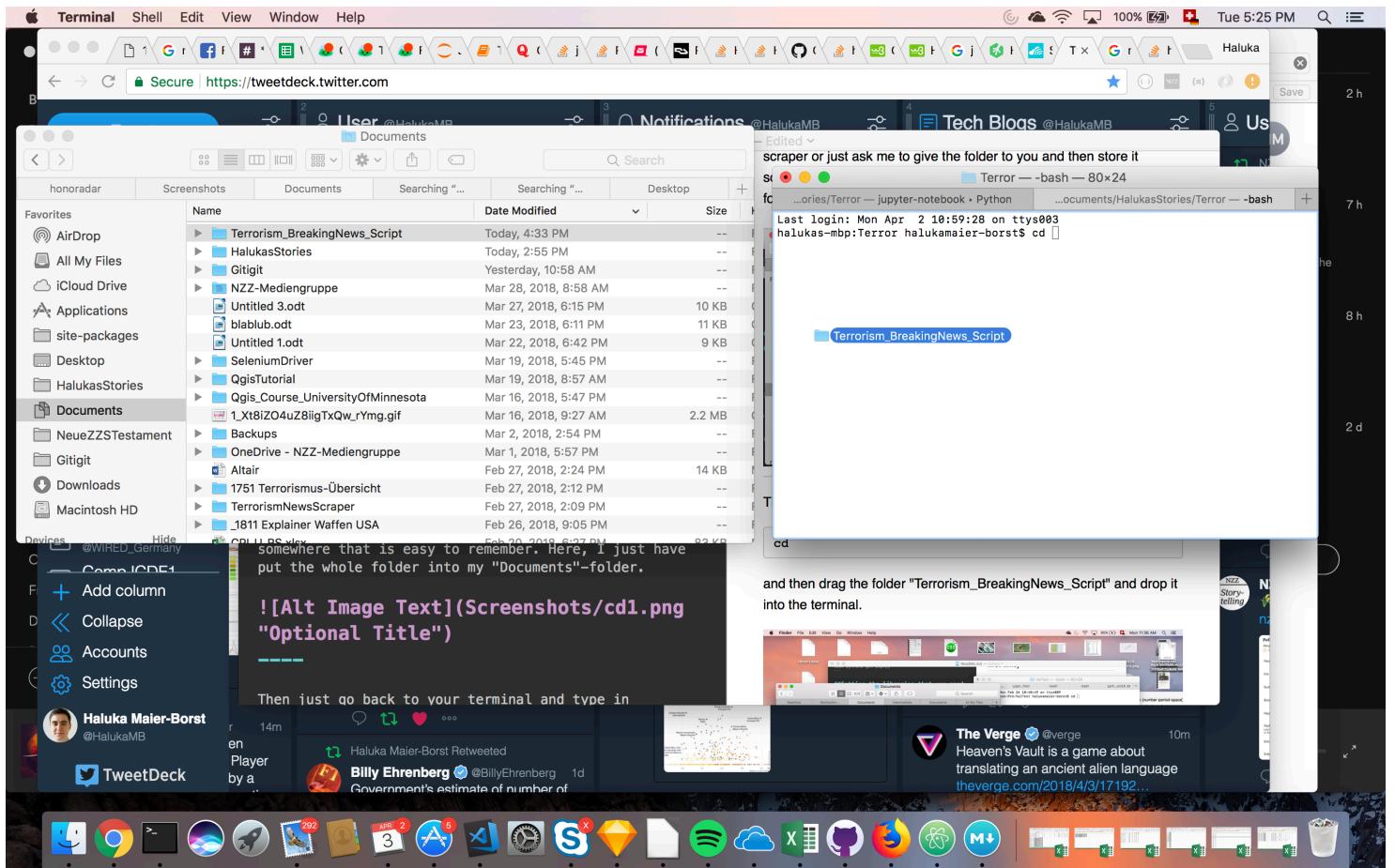
The actual scraping/analysing (always needed)

Launch the terminal as explained earlier and then type in cd and get into the folder again by drag and dropping the folder into the terminal.

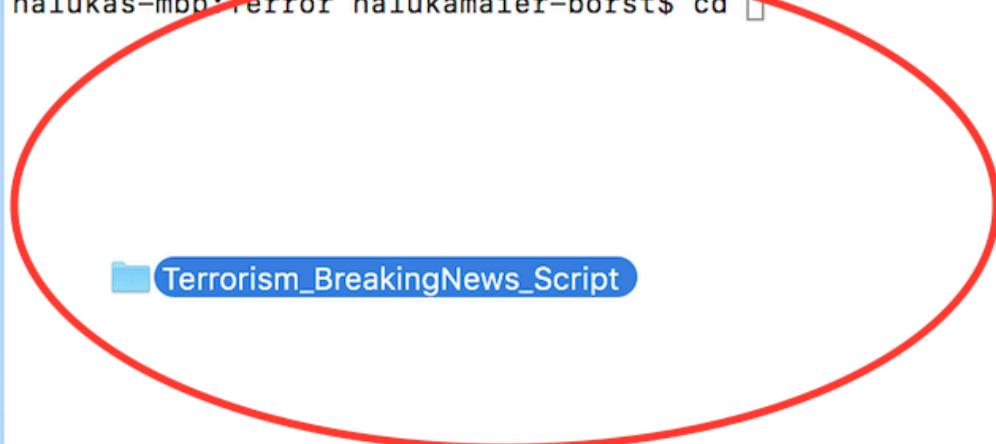
Recap from earlier:

```
cd
```

and then drag the folder "Terrorism_BreakingNews_Script" and drop it into the terminal.

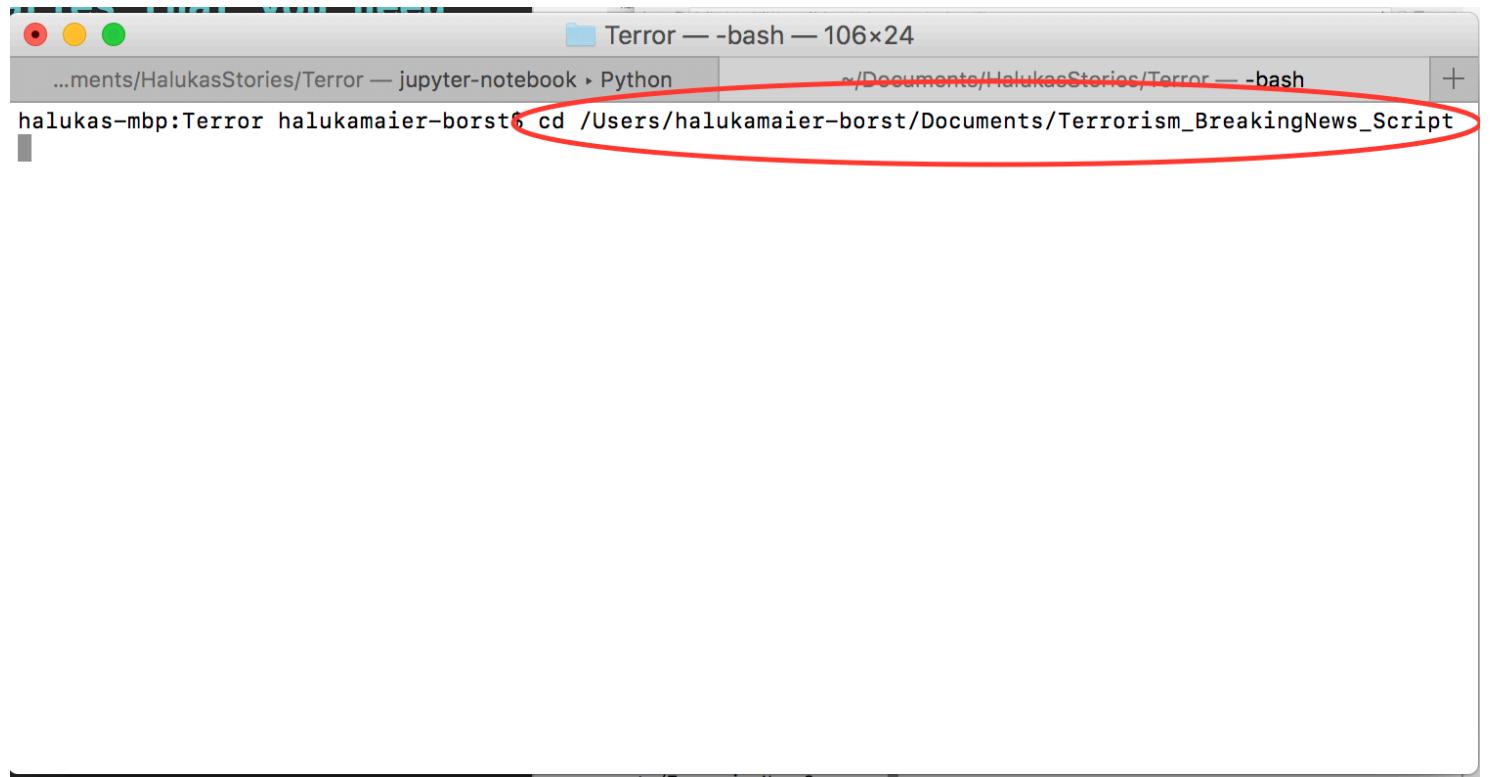


like this



```
...ories/Terror — jupyter-notebook ▸ Python ...ocuments/HalukasStories/Terror — -bash
Last login: Mon Apr  2 10:59:28 on ttys003
halukas-mbp:~ halukamaier-borst$ cd
└── Terrorism_BreakingNews_Script
```

and then this should pop up



```
...ments/HalukasStories/Terror — jupyter-notebook > Python ~/Documents/HalukasStories/Terror — bash  
halukas-mbp:Terror halukamaier-borst$ cd /Users/halukamaier-borst/Documents/Terrorism_BreakingNews_Script
```

Hit enter. Now you are in the folder.

Now the actual analysis

Type in

```
jupyter notebook
```

like this...



```
Last login: Mon Feb 26 11:36:22 on ttys001  
[Halukas-MacBook-Pro:~ halukamaier-borst$ cd /Users/halukamaier-borst/Documents/TerrorismNewsScraper  
Halukas-MacBook-Pro:TerrorismNewsScraper halukamaier-borst$ jupyter notebook
```

And on your Chrome Browser a new window should open. Looking like this.

The screenshot shows a Jupyter Notebook interface within a browser window. The title bar indicates the URL is `localhost:8888/tree`. The main area displays a file tree with the following structure:

- 0
- LatestData
- reduceddatasets
- Terrorism_Master_Script.ipynb (highlighted with a red oval)
- requirements.txt

At the top, there are tabs for "Files", "Running", and "Clusters". Below the file tree, there are buttons for "Upload" and sorting by "Name" or "Last M".

Click on "Terrorism_Master_Script.ipynb" and something like this should appear

The screenshot shows a Jupyter Notebook interface with the title "jupyter Terrorism_Master_Script (autosaved)". The notebook contains the following text:

Newsflash-Terrorscraper

Dieses Script wurde entwickelt, um in aktuellen Nachrichtenlagen einen Anschlag in einen ersten Kontext setzen zu können. Damit sind Sätze gemeint wie:
"Der X. grösste Anschlag des Islamischen Staat im Irak innerhalb der letzten 90 Tage".

Die Datenbasis, die das Script hierfür nutzt, ist Wikipedia ab Januar 2015. Für solche Ranking-artige Einschätzungen ist das in Ordnung.

ABER WICHTIG!!! **Wikipedias Auflistung von Terroranschlägen ist nicht annähernd vollständig.** In einem groben Abgleich mit der Global Terrorism Database zeigte sich, dass Wikipedia zum Beispiel für 2015/2016 nur ein 1/10 aller Anschläge listet, die in der Global Terrorism Database auftauchen. Sprich: Viele kleinere Anschläge tauchen bei Wikipedia nicht auf. Entsprechend sind keine absoluten Aussagen möglich, sondern eben nur Rankings oder Aussagen wie...

Richtig: "Das war mindestens die Xte Attacke von Al Qaeda in den letzten sechs Monaten"

Falsch: "Während es im März X Anschläge im Irak gab, waren es nur Y im April."

Ausserdem sollte ausser in begründeten Ausnahmefällen keine Vergleiche über mehr als zwei Jahre gezogen werden, eben weil die jährlich aktualisierte Global Terrorism Database vollständiger ist. Dieser Scraper ist nur ein Workaround für aktuelle Nachrichtenlagen.

This is the Jupyter Notebook that does the job. Just follow the instructions and execute the script from top to bottom. To execute the blue-highlighted box of code just hit:

Enter + Shift

To change code, just double-click on each code-box.