GIT & JUPYTER CHEETSHEET

1. Clone the repository

1. Go to https://github.com/fMRIAnalysisCourse/fmri-analysis-course and click 'Code' and copy the link.
2. Open comand line in Windows (type cmd or 'Wiersz Poleceń').
3. Type git clone <copied link>. It creates the copy of the repo located in the path where you are (in my case C:\Users\sylwi)

```
C:\Users\sylwi>git clone https://github.com/fMRIAnalysisCourse/fmri-analysis-course.git
```

4. If you haven't install git yet, you will see an error:

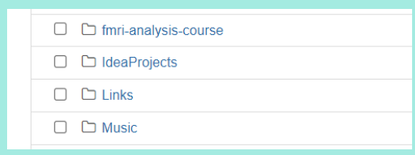
```
'git' is not recognized as an internal or external command,
operable program or batch file.
```

it means that you should download git: https://git-scm.com/downloads.
After installing it type 'git clone <copied link>' once again.
5. Git will ask you to log into your github account (in a new window), to authorize this repository download.
6. And voilà, fmri-analysis-course catalog is now on your computer. You can type cd fmri-analysis-course to change your working directory to it.

```
C:\Users\sylwi>cd fmri-analysis-course
```

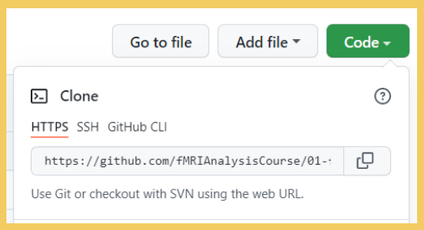
2. Open file in Yupiter.

1. Type 'Yupyter' in windows search and hope you will find it.
2. If nothing is there, you have to download it. One of the easiest way to do it is to install the Anaconda packet. Anaconda conveniently installs Python, the Jupyter Notebook, and other commonly used packages for scientific computing and data science.
   https://www.anaconda.com/products/distribution
3. Now Yupiter should be visible in windows search, open it.
4. You should see your folders listed, click the one you want to work on (e.g. fmri-analysis-course)



3. Push your homework to github

1. Go to your homework repo and copy the link.
2. Open comand line in Windows (type cmd or 'Wiersz Poleceń').
3. Type git clone <copied link>.




```
C:\Users\sylwi>git clone https://github.com/fMRIAnalysisCourse/02-fmrida-homework-puzio-umk.git
```

4. Make some amazing changes to the file using yupyer notebook.
5. Open the command line once again. Make sure that the path that you see before prompt sign(>) is the path to your folder with homework.
6. You can use command git status to see what files were changed.

```
C:\Users\sylwi>cd 01-fmrida-homework-puzio-umk

C:\Users\sylwi\01-fmrida-homework-puzio-umk>
```

7. Add all changed files that are important.
   git add 01-fMRIDA_homework.ipynb
8. Then make a commit with a message
   git commit -m 'What a beaufull update I made'
9. And then simply write
   git push to send it safely to the server.

```
C:\Users\sylwi\01-fmrida-homework-puzio-umk>git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   01-fMRIDA_homework.ipynb

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .ipynb_checkpoints/

no changes added to commit (use "git add" and/or "git commit -a")

C:\Users\sylwi\01-fmrida-homework-puzio-umk>git add 01-fMRIDA_homework.ipynb
warning: LF will be replaced by CRLF in 01-fMRIDA_homework.ipynb.
The file will have its original line endings in your working directory

C:\Users\sylwi\01-fmrida-homework-puzio-umk>git commit -m "Homework01 Update, last exercise finally done"
[master cb752c0] Homework01 Update, last exercise finally done
 1 file changed, 2 insertions(+), 2 deletions(-)

C:\Users\sylwi\01-fmrida-homework-puzio-umk>git push
```

4. Some comand line hints

1. You don't have to write full names of your files and folders like 01-fMRIDA_homework.ipynb, just type first letters and click tab and the names will be filled automaticlly, sometimes you have to click it more the one time, to choose proper file.
2. Use arrows ⬆⬇ to display recently used commands.

4. More git commands

1. git pull - to pull changes before class from Karolinas up-to-date repo your working directory should be the course directory

```
C:\Users\sylwi>cd fmri-analysis-course

C:\Users\sylwi\fmri-analysis-course>git pull
```

by Sylwia Puzio