

# Useful git commands

Lau Møller Andersen

15/9/2021

## Cloning the forked version of my repository

Make sure that you are running from a bash terminal (sh)

First, fork my directory, using the GUI, click “Fork” in the upper-right-hand corner (i.e. create a remote copy of your own), then clone it

```
## go to the path where you want to clone YOUR fork  
git clone <url_to_your_repository>
```

## Pushing your solution to your GitHub repository

Then do the following to push changes to the origin (your fork of my repository)

```
cd <your_local_directory> # the folder you cloned your repository into  
git status ## check which files differ  
git add <name_of_your_solution_file.Rmd> # add files to what you will later commit  
git commit -m "<your message>" # commit all the files you have added above  
git push origin main ## push the committed changes to your origin (your remote location)
```

## Adding upstream (my repository) to pull changes from there

You can do this to more easily keep up to date - we'll also go through on Sep 22

See also Figure 1

```
## add another remote spot (my repository)  
git remote add upstream https://github.com/ualsbombe/github_methods_3.git  
# see which remote channels you have (you should have origin (your repository) and ...  
## upstream (my repository)  
git remote -v  
git pull upstream main ## call this from your local copy to pull my latest changes ...  
git push origin main ## ... you can then push these changes to your origin,  
## so they match with the upstream
```

## A schematic of the workflow

### Other useful commands

```
git pull origin main ## pull what is on origin (your remote) into your local folder  
git stash ## temporarily shelves away changes you made (useful when you don't want to commit changes yo
```

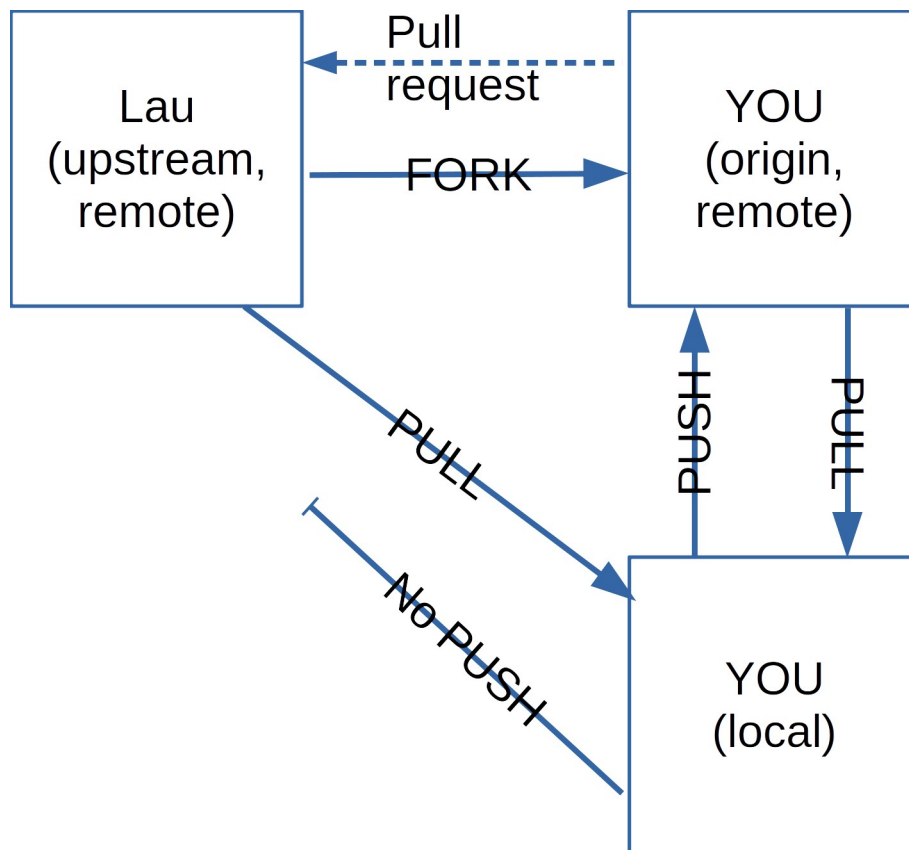


Figure 1: GitHub workflow

## Some bash (sh) commands

```
cd <a_folder_name> # change directory to a given folder
mkdir <a_folder_name> # make a directory
pwd # print working directory
ls # list files in directory
cd # go to your home directory
cd .. # go one directory up
cd -- # go back to the directory you were in before
```