FerdiGitHub Notes

**Using git on Windows**

* <https://git-for-windows.github.io/>
* Git bash  console git : run git from the command line
  + Behaves like the git command in Linux and Unix environments

**Setup Git on Linux**

* <https://help.github.com/articles/set-up-git/>

**Tutorial**

* <https://try.github.io/levels/1/challenges/1>
* Do some testing : update a Project on GitHub (ex : Team Panda)

Git add: add to commitment

Git log: journal of operations

Git status: obtain commitment status

Git commit –m ‘hello’: commit with message ‘hello’

at the url specified under the name origin

git push -u origin master: -u remembers the parameters, default branch is master

git pull origin master: pull

git diff HEAD: difference with the most recent commit which can be referred as HEAD

* Git diff can be used to push the changed files separately
* git diff –staged: see the changes just made

git reset octofamily/octodog.txt: remove the octodog file

git checkout -- octocat.txt: go back to the last commit for octocat.txt

git rm -r folder\_of\_cats: remove the folder “folder\_of\_cats”

When you are in the master branch  get merge branchB: merge master with branch

**Set remote repository**

git remote add origin <https://github.com/try-git/try_git.git>: add a remote repository to push the files

→ Then use *git pull origin master* to copy the files in the master branch of origin remote repository on local repo

git remote set-url origin git://new.url.here: change remote repository url

**Branches**

git branch new\_branch: creates a new branch

git checkout branchB : switch to branchB

git branch: displays branches

Create newbrach, then to push the new branch on remote repository do git push --set-upstream origin newbranch

git branch -d <branch name>: delete a branch on local repository

Delete branch on gitHub: git push origin :[name\_of\_your\_new\_branch]

**Method**

* create separate branch with modifications
* Once changes made, merge with master

**Créer un repository**

* Git init <directory path>
* Se placer ensuite dans le directory avec les commandes ls et cd (navigation dans les fichiers)

**Test**

* <https://github.com/FerdinandL/Playground.git>

**Come back to an existing local repository**

* The repository is already configured
* Just go to the required folder
* Resume your work where you left it

**SETTING UP GIT REPOSITORY FOR NYU WORK**

* <https://github.com/FerdinandL/event_detection.git>

**Commit all new / modified / deleted / untracked files of a local folder**

* *git add -A*
* <http://stackoverflow.com/questions/3498035/git-add-all-files-modified-deleted-and-untracked>

**Add all but one**

* git reset -- main/dontcheckmein.txt
* http://stackoverflow.com/questions/4475457/add-all-files-to-a-commit-except-a-single-file