ban400 lecture 2: git

pwd

🡪 working directory

Ls inside working directory

🡪 list files

Cd ..

🡪 change directory one level up

Cd ~

🡪 change directory to nothing

Git init

🡪 initializing git

Ls -a

🡪 shows all files, including hidden ones

Git status

🡪 status of our project

Git add FILENAME

🡪 Add new files to our project

Git commit -m “MESSAGE”

🡪 Committing the addings

Git log

🡪 history of what we have been doing in the project

Git hist

🡪 shows where we are right now

Git add .

🡪 shortcut for adding all files

git log --oneline --graph --decorate –all

🡪 simplify the log display

git config --global alias.hist "log --oneline --graph --decorate --all"

🡪 added to alias, meaning that this will we used for all our git projects

Git tag -a XX -m “MESSAGE”

🡪 tagging something we did in our history

Git show TAG

🡪 shows information about the tag

Git branch

🡪 shows which branch we are in, and what branches we have

Git checkout BRANCHNAME

🡪 change branch

Git checkout -b NEW BRANCHNAME

🡪 creates a new branch

Git branch -d BRANCHNAME (local)

🡪 deletes a branch

Git push origin –-delete BRANCHNAME (remote)

🡪 deletes a branch from Github

Git reflog

🡪 shows the log of the project and what we have done

Git merge BRANCH

🡪 merging branches

Cat FILENAME

🡪 see what’s in the file

Git mergetool

🡪 opens p4merge so that we can make changes

Git reset –hard BRANCHNAME

🡪 turn back in time

🡪 can also be used to reset what we “deleted”, copy&paste branchname from git reflog

Git –help

🡪 shows git commands

Git help -a

🡪 shows subcommands

Git checkout -b BRANCHNAME

🡪 switches to a branch and creates the new branch

Touch

🡪 creates a new file in our folder

rm -rf FOLDERNAME

🡪 deletes folder and all files in it

Git clone CODE FROM GITHUB

🡪 transfer our code from github back to our local computer, confirm with passphrase

Git push

🡪 we push our changes in our code into github

Git push --set-upstream origin BRANCHNAME

🡪 pushes new branch to GitHub

ON GITHUB:

1. CREATE NEW REPOSITORY
2. COPY AND PASTE GIT REMOTE, BRANCH AND PUSH TO TERMINAL TO TRANSFER FILES IN FOLDER OVER TO GITHUB
3. CONFIRM WITH USERNAME AND PASSWORD AT GITHUB IN THE TERMINAL

GIVE OTHER ACCESS ON GITHUB:

1. SETTINGS 🡪 MANAGE ACCESS 🡪 ADD COLLABORATOR
2. ALWAYS TYPE IN git pull BEFORE WORKING LOCALLY SO THAT WE GET THE NEWEST VERSION OF THE CODE

* WHEN WORKING AT THE SAME TIME, DO A git pull AND THEN git push

ISSUES

* HERE, WE CAN CREATE MILESTONES AND ISSUES TO ORGANIZE OUR PROJECT

ADD A PROJECT TO GITHUB

1. Create folder locally

2. Create R file and add to folder

3. Open terminal and navigate to local folder

4. git init

5. git status

6. git add FILENAME

7. git commit -m «..»

8. git status > make sure its clean

9. Copy & paste git remote, branch and push from GitHub

10. Confirm with passphrase

11. DONE!

PROBLEMER:

1. Clonet github over til terminal, men får ikke opp alle branch

🡪 git checkout BRANCHNAME

1. (HEAD detached at refs/heads/new\_branch)

🡪 git checkout BRANCHNAME