**Data sciences notes**

*Commands prompt*

flags trigger behavior, preceded by -

argument options

- paths with spaces, use “path”

- always start with /

- home directory is “/c/Users/Cedric Manlhiot

pwd print working directory you currently are in

clear clear everything in the interface

ls shows all unhidden files and folders in the current directory

ls –a shows lists of hidden and unhidden files and folders in current directory

ls –l shows details of folders

ls –al combination of ls-a and ls-l

cd “dir” change working directory

cd .. go back one up

cd brings you back to home directory

mkdir make a new folder in working directory

touch create a new file (no extensions or attributes) [touch file\_name]

cp copy file [cp file\_name target\_dir]

cp –r copy entire folder [cp –r dir\_to\_copy new\_dir]

> Note: new\_dir must exist so might have to use mkdir first

rm remove file [rm file\_name]

rm –r remove entire foler [rm –r dir\_to\_remove]

> Note: DO NOT USE

mv move file [mv file\_name target\_dir]

mv rename file [mv original\_name new\_name]

echo text comments

date put the current dates

-v paste from clipboard

*Git commands*

User name: git config --global user.name “Your Name Here”

Email address: git config --global user.email “Your Email Here”

Confirm info: git config --list

> Can be changed (current cid313, [tib@gmail.com](mailto:tib@gmail.com))

Exit – close Git Bash

<https://guides.github.com/activities/hello-world/>

Link repository to Github

Step 1: git init

Step 2: git remote add origin <https://github.com/username/repo_name.git>

Fork a repository from Github (i.e. steal)

Step 1: git init

Step 2: git clone <https://github.com/username/repo_name.git>

R commands

available.packages()

install.packages()

library()

R tools

- Need to correspond to a version of R