# TERMINAL and USEFUL LINKS RELATED TO BIOINFORMATICS

**Some less known linux commands** **2**
Terminal learning websites 3
Terminal useful links and books 3
Terminal useful plugins 3
Bioinformatics useful links 3
**Other useful links** **3**

# Some less known linux commands

```
# .tar = tape archived directory and .gz = gzipped file

tar -xvf <filename> # uncompress a tar archive (x = extract, v = verbose, f = all files)

tar -xzvf <filename> # gzipped tar archive

gunzip <filename> # gzipped file (or unzip)

sed -E 's/(>[A-Z0-9.]+)(.+)/\1/' CP_blast_headers.txt  # sed usually use with regular expressions, -E means extended regular expressions$ sed -E 's/(>[A-Z0-9.]+)(.+)/\1/' CP_blast_headers.txt

# Download from internet URL
wget -P /path/to/where/the/download/should/be <url>

# save data from cluster
rsync -avz phylogenomics@<your.IP.address>:/Location /Local

scp genomics@XXX.XXX.XXX.XXX:/home/genomics//myfile.txt .

# upload data to cluster
scp myfile.txt genomics@XXX.XXX.XXX.XXX:/home/workshop_materials/

# symbolic link / symlink
ln -s /path/to/storing_directory/target /path/to/name/

# check if files are different
diff -q fileA fileC

# splitting file by lines
split -l 20 fileA

# erases one word in current line; whole line
ctrl + w
ctrl + u
```

## Terminal learning websites

- Terminal cheat sheet
- Conquering the Command Line
- The Art of Command Line
- bash-guide: basics command + some tricks
- Bash-handbook: bash tutorial with interactive workshop
- Bash-bible: commonly-known and lesser-known methods of doing various tasks using only built-in bash features. More detailed than Bash-handbook
- Awesome-bash: # not tested
- Awesome-shell: # not tested

## Terminal useful links and books

- The linux command line: no starch press

## Terminal useful plugins

- tldr

## Bioinformatics useful links

- Tools related to bioinformatics
- Bioinformatics-one-liners: terminal commands for bioinformatics # no tested yet
- Snakemake: workflow management system
- Biostar-handbook
- Awesome-bioinformatics: list of bioinformatics software
    - # best…
- Bioinformatics training collections: websites from workshops
- biocode: small regularly updated collection of scripts for bioinformatics
- Newick_utils: command line software for working with newick format

## Other useful links

This section contains useful links for biologists!

- R graph gallery: collection of chart made with the R with examples
- _prettier palettes for graphs: some non generic palettes for plots
- Color palettes for data scientists: color palettes generator
- Scientific color palettes: