# Linux Command Line Cheat Sheet

## Directory navigation

**cd dir** – change directory

**cd or cd ~** – change to home

**pwd** – show current directory

**hpc** – data processing cluster terminal

## List files and directories

**ls -l** – list files and directories

**more file** – list content of file

**tree** – list directory hierarchy

**cat file** – list content of file

**nano -w file** – edit file with nano

## File and folder manipulations

**touch file** – create or update file

**cat > file** – create file

**mkdir dir** – create a directory

**cp file1 file2** – copy file1 to file2

**cp -r dir1 dir2** – copy dir1 to dir2;

**rm file** – delete file

**rm -r dir** – delete directory

**rm -f file** – force remove file

**rm -rf dir** – force remove directory

**mv file1 file2** – rename/move file1 to file2

## Search files and folders

**find - ./data -name report.txt** – search folder "data" for file with name report.txt

**find - ./ -iname "*report*"** – search current folder for a file name containing "report"

**find ./ -empty** – find empty files and folders

**grep -r "text"** – recursively search files for word "text"

**grep "completeness" report.txt** – search for word "completeness" in file

## Misc. commands

**clear** – remove all terminal entries

**reset** – resets current terminal

**du -sh *** – list size of files and folders

**df -h** – list disk usage statistics

**apropos** – shell version of "Google"

## Bash Terminal Shortcuts

**Ctrl+C** – stop current command

**Ctrl+R** – search history

**Ctrl+Shift+C** – Copy

**Ctrl+Shift+V** – Paste

**TAB** - autocomplete terminal entry