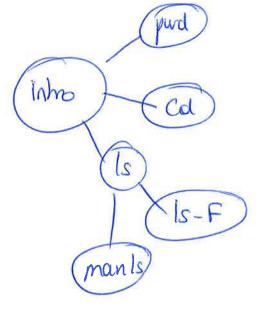
Introduction. 13:30-14:00

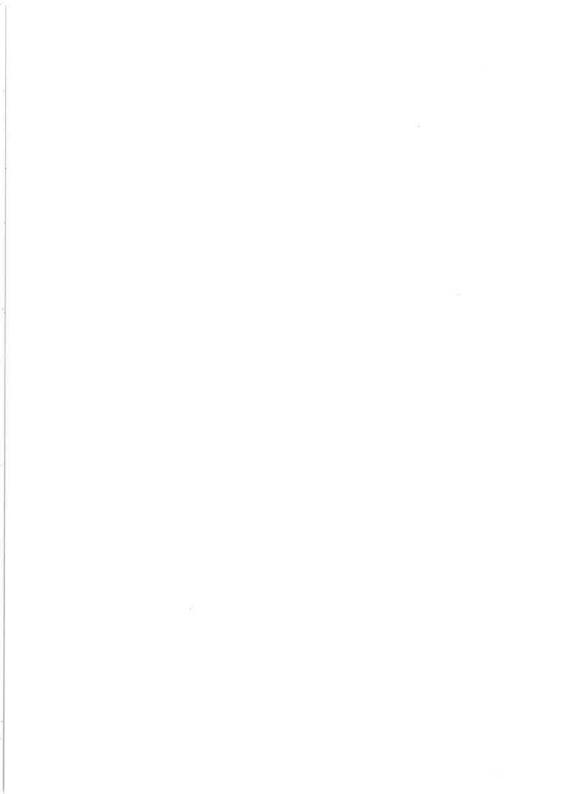
How to access the shell?

- Open terminal

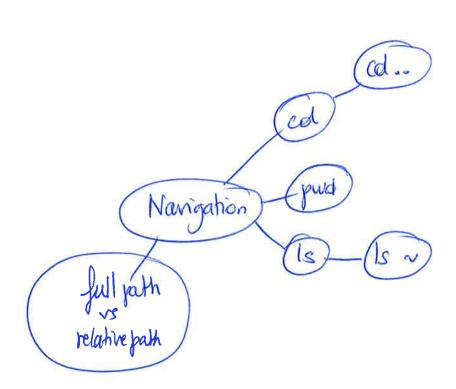
- ssh to cruktraining.cruk.cam.ac.uk

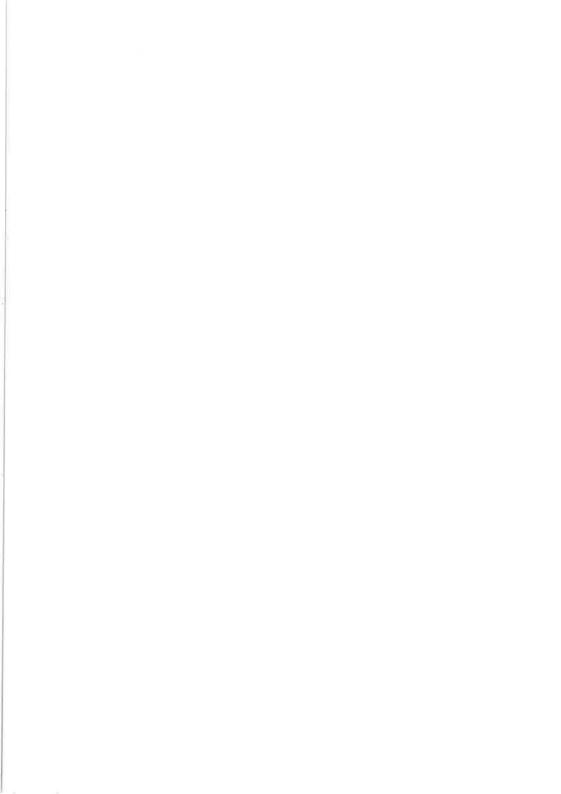
- Clear



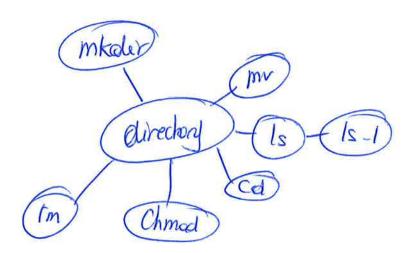


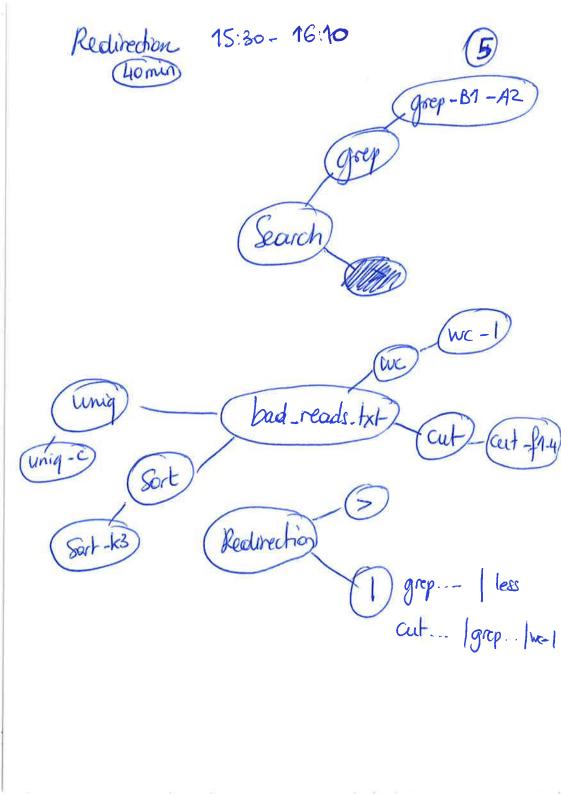
Wangating Files & Directories 14:00-14:00 2





Working with Files & Directorles 14:38-15:153 Coffee 15:15-15:30 · fasta less -_.fastg) Fusta files history Working / vs~ Is + fasty echo +. Para SRR098026. Jasta sless head tail head -n1 Tail-na

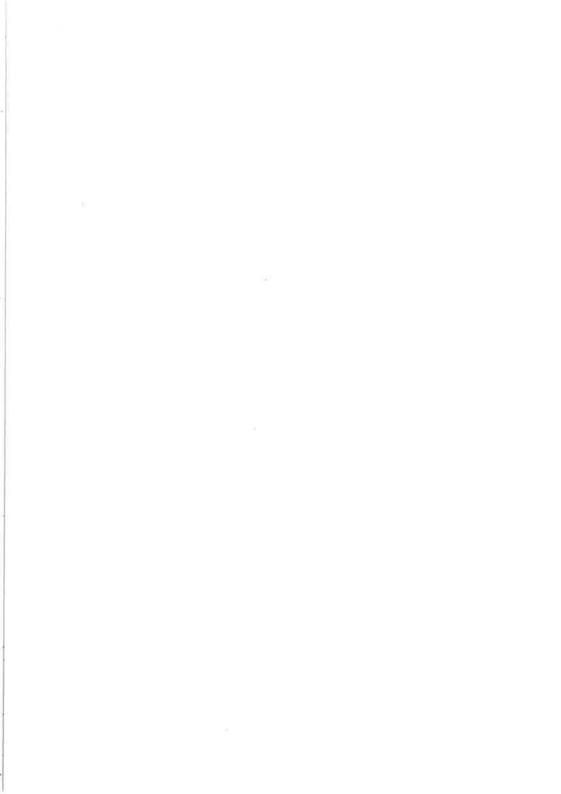




16:10-16:50 Writing Scripts Xloops nano linux plain character data no friendly display (Text editor Windows - notepad Atom Sublima example! (chrl-0: save + enter) \chrl-X: Exit + y to save (nano hello.txt good practice Cat hello.txt document or loss hells.txt README. EXT for other to read - create a README. txt exercice) file in untrimmed. fasta folder describe files in this directory - add the date at the -Save file.

multiple com mands execute using together partzi bash scriptish Scripts repeat commands lise .sh on multiple files extension topeat the analysis - increase reproducibility echo (nano my-first-script.sh -nano —.sh Save Comment it # bash _sh cat_.sh Create file bad-reads-script.sh exercise add comment# add Copy grep command save file to find nunw into script after the bash ___ grep command

bash _ .sh depends on time: -15-1 maram chmod +x -- . sh one liner with; for/do/done/3 repeat lasks using loop good practice echo Statement br & name Anne Jon Mar Mark ? example 1 do echo Frame ? forname ... , do ... , done example 2! write script to loop over all on command line fast q files echo \$ filename fasty-tasks.sh - in script exercice and number add counting of bid reads in



16:50-17:00 Project Organisation question sample collection experimental design 8 tastistical lots of files manyanalysis _ meaningfull name for files of folders - no space & special characters - date always starts with year month day - REPORTE file for documentation Structure Copy) of raw doto Change permission) on retwidata file -scripts . o read only Ohmod -w * fasta

documenting -history of commands analysis done Create script to create work space by with workspace-log-2018-11.13. sh all a #date now CHEST CARREST ST. Commands I mkdir workspace / docs /data / results make sure it is reproducible! 1 scripts

1. Im - r workspace

2. recreate your workspace with the script.