

Why learn command line?



automate repetitive tasks



reduce human error



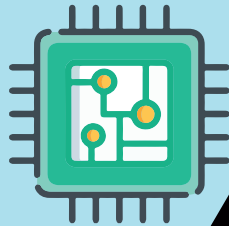
access new tools



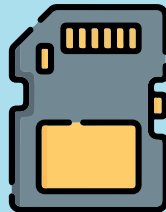
improve reproducibility

Why use the cloud?

processing power



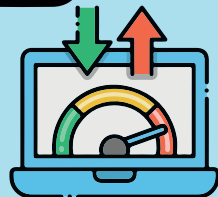
memory



long analysis times

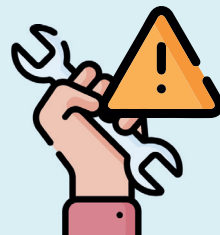


disk space



network bandwidth

more resources needed



issues installing software

File types

.pem

stores a cryptographic key which grants access to the instance

.txt

stores lines of text with minimal formatting

.fastq

stores sequencing data in a text-based format

Cloud-SPAN Prenomics



<https://cloud-span.github.io/prenomics00-intro/>



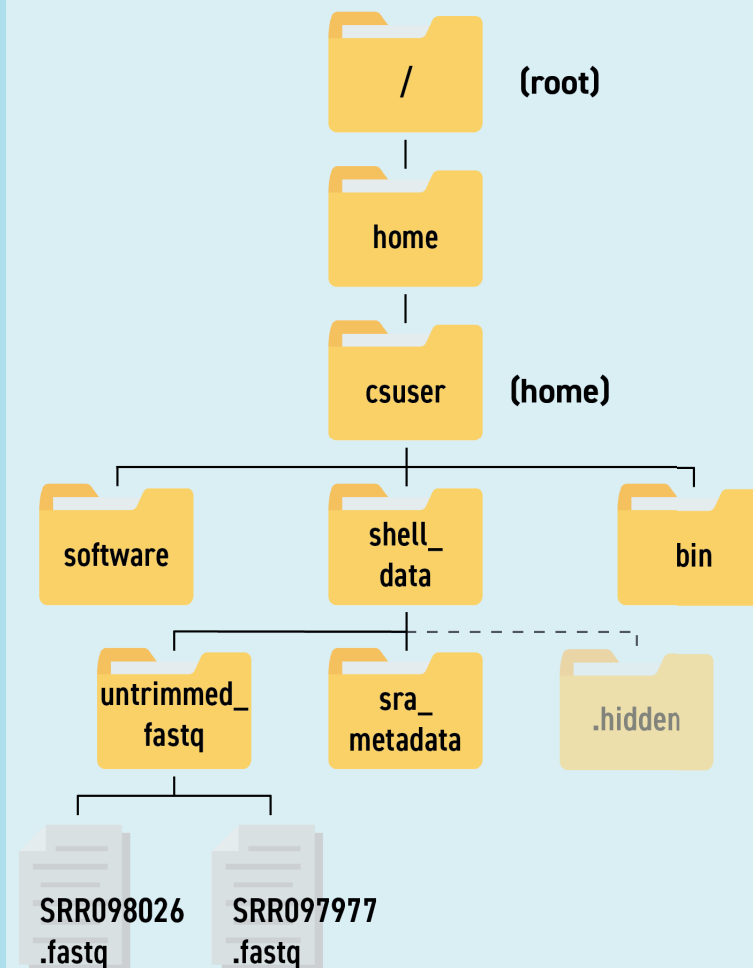
<https://github.com/Cloud-SPAN/prenomics00-intro>

Files and paths

absolute path: full address of file relative to root directory

relative path: address of file relative to current working directory

Cloud-SPAN instance file system



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Command cheatsheet

cd directory change directory

ls directory list contents of directory

pwd print present working directory

cat file concatenate (print) contents of file

less file view file contents in viewer

head n file print head (first n lines) of file

tail n file print tail (final n lines) of file

cp file newfile copy file to newfile

mv file directory move file to directory

mkdir directory make new directory

rm file remove file

grep string file search for string within file

wc file perform word count on file

Navigating

Viewing

Editing

Searching

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