Alexjmsherman / nlp_practicum_health Private

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Branch: master ▾   nlp_practicum_health / lessons / lesson_0_configuration / command_line.md

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Alexjmsherman add lessons   6738320 5 hours ago5 hours ago

1 contributor

175 lines (94 sloc)   2.79 KB

Raw   Blame   History

Command Line:

    Reference: https://www.git-tower.com/blog/posts/command-line-cheat-sheet

View directory and files

- print working directory

    pwd

- list files and directories

```
ls
```

Navigate directories

- change directory

```
cd [path]

cd Desktop
```

Create Files and Directories

- create a directory

```
mkdir

mkdir test
```

- create a file

```
touch

touch new.txt
```

Copy/Move files

- copy a file

```
cp

cp  new.txt new1.txt
```

- move or rename a file

```
mv

mv new1.txt new2.txt
```

Observe files

- view the first rows of a file

```
head
```

- view the last rows of a file

```
tail
```

- view the entire file all at once

```
cat
```

- view the files by scrolling through it

```
less
```

Find Files

- find a file

```
find

find . -name 'pattern'
```

- find a file using a regex pattern (* = match any character multiple times) to match all csv files

```
find . -name '*csv'
```

- find a file using a regex pattern (? = match any single character) to match all csv or tsv files

```
find . -name '*.?sv'
```

Grep Files

- find a pattern in a file

```
grep

grep 'pattern' filename
```

- recursively look for the pattern across files

```
grep -r 'pattern'
```

**Write output to file **

- export

```
>

find . -name '*.csv' > output.txt
```

Command Substitution

- use the result of a command as a variable

```
$()

cp $(find . -name '*.csv') .
```

Pipes

- combine (chain) commands

```
|

find . -name '*csv' | sort > output.txt
```

Remove Files/Directories

- remove a file or directory

```
rm

rm new.txt
rm -r test
```

Permissions

- chmod and permission number explanations:

```
chmod

https://www.linux.org/threads/file-permissions-chmod.4124/
https://help.ubuntu.com/community/FilePermissions
```

TEXT EDITOR: VIM

Open text editor

```
vim
```

Insert mode (to add new text)

```
i
```

Exit vim

```
press Esc
press Shift and colon

exiting vim analysis: https://stackoverflow.blog/2017/05/23/stack-overflow-helping-one-million-developers-exit-
vim/
```

To quit without saving, type:

```
q!
```

To quit and save (write), type:

```
wq
```

GITHUB

Clone GitHub Account

Set up Git username and email

```
git config --global user.name 'John Doe'

git config --global user.email 'johndoe@example.com'

git config --global core.editor 'C:\Program Files\Sublime Text 3\subl.exe'
```

copy the files of a git repo locally

```
git clone [url]

git clone https://github.com/Alexjmsherman/nlp_practicum_cohort1
```