

Basic Tools for NLP

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Topics for today:

- ▶ shell – an introduction
- ▶ understanding your terminal
- ▶ some handy tools that we already have
- ▶ creating aliases
- ▶ (custom) history and how to use it
- ▶ creating simple scripts



Don't fight linux, work with it.

Shell: Command interpreter

bash: Bourne Again Shell (Homage to Stephen Bourne)

Q. *But why do you stress on using command-line?*

Shell: Command interpreter

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Q. But why do you stress on using command-line?

Because it makes our life easier.

Also, because it's cool!

Let's look at some of the files which you would constantly use/modify during this tutorial series and beyond:

- ▶ *.bashrc*
- ▶ *.bash_profile*
- ▶ *.bash_aliases*
- ▶ *.bash_history*

But before that, let's understand some more basics

- ▶ *stdout*
- ▶ *stdin*
- ▶ *stderr*
- ▶ *stdbuff*

Let's glance over some basic calculation operations that we can have in our shells:

- ▶ `echo $((2+3)) -> 5`
- ▶ `echo "2+3" | bc ->`
- ▶ `echo "2 3 + p" | dc`

Some commands which gives you information about your commands:

- ▶ **man**
- ▶ **info**
- ▶ **type**
- ▶ **which**
- ▶ **stat**

Now, let's look at some of the commands which are the most helpful to us as people in CL:

- ▶ `cat`
- ▶ `head`
- ▶ `tail`
- ▶ `less`
- ▶ `touch`
- ▶ `find`
- ▶ `wc`
- ▶ `sed`
- ▶ `grep/egrep`
- ▶ `cut`

Some more:

- ▶ cat
- ▶ head
- ▶ tail
- ▶ less
- ▶ touch
- ▶ find
- ▶ wc
- ▶ sed
- ▶ grep/egrep
- ▶ cut

.bash_aliases DEMO!!

Custom History **DEMO!!**

Bash Script DEMO!!