Vim & Tmux

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Programming Font

- Type: monospace 等寬,
  sans-serif 無襯線(黑體).
  serif 襯線(明體)
- Eg: Source Code Pro
  - mono, sans-serif
  - https://github.com/adobe-fonts/source-code-pro
  - Installation:
    - Fedora: `dnf install texlive-sourcecodepro`
    - Centos: `yum install texlive-sourcecodepro`

Vim

- Open a file `vim example.txt`

Normal Mode

h j k l/←↓↑→		
0/Home	Go to beginning of the line	
^/Home	First character of the line	
$/End	Go to end of the line	
gg/G	Go to the first/last line	
***n*+/*n*-**	Go up/down *n* lines	
u	Undo	
dd	Del the line	**p** Paste
D	Del rest of the line	
yy	Copy the line	

i

Esc

Insert mode
Edit!

d Del the region
y Copy the region
Esc Leave the mode

v → **Visual Mode**

Shift + v → **Visual Line Mode**

Shift + > or **<** Indent

Ctrl + v → **Visual Block Mode**

Vim

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D	Del rest of the line	
yy	Copy the line	

Command mode

Search

/some words

n Next, **N** Previous

Set

:set nu Show #line

:set nonu Hide #line

Substitute

***:line range* s/w1/w2/g**

:5s/dog**/**Cat**/g**

:5,10s/dog**/**Cat**/g**

:5,10s/dog**//g**

:5,10s/^/Cat**/g**

:5,10s/$/Cat**/g**

:5,%s/dog**/**Cat**/g**

:%s/dog**/**Cat**/g**

Vim

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Esc Leave the mode

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Command mode

:

Save/Quit/…

:q! Quit w/o saving

:w Save

:wq Save and quit

:redo Cancel an undo

:*n* Go to the n^{th} line

:

Open another files and Split into panels

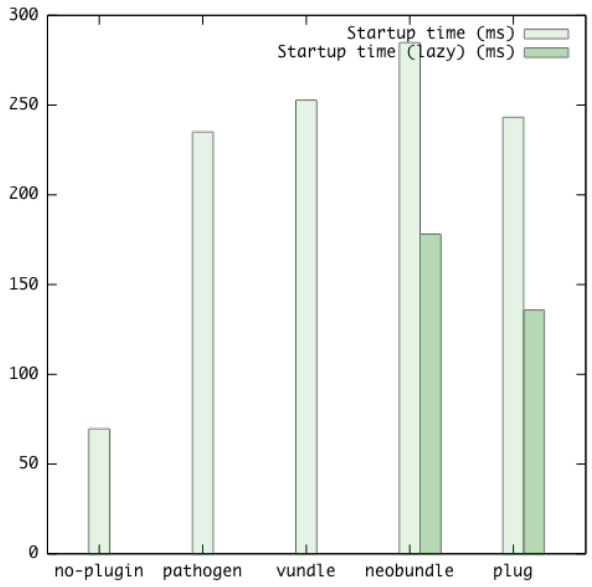
:sp *filename*
Horizontally split

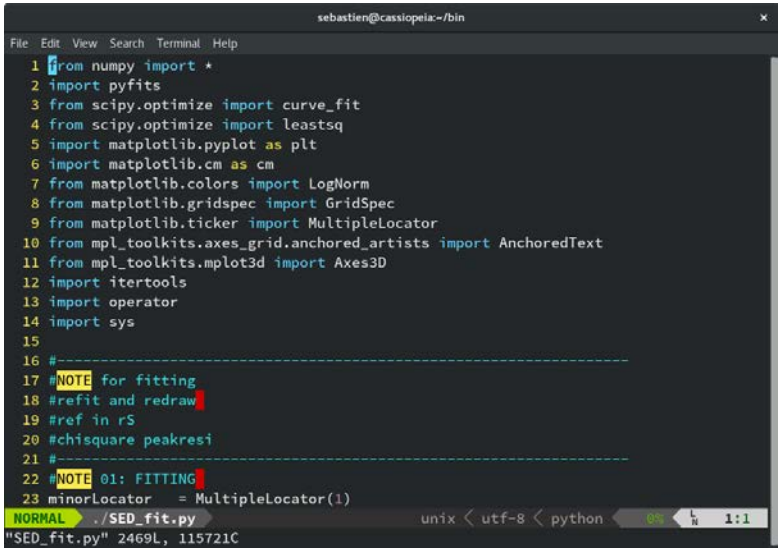
:vsp *filename*
Vertically split

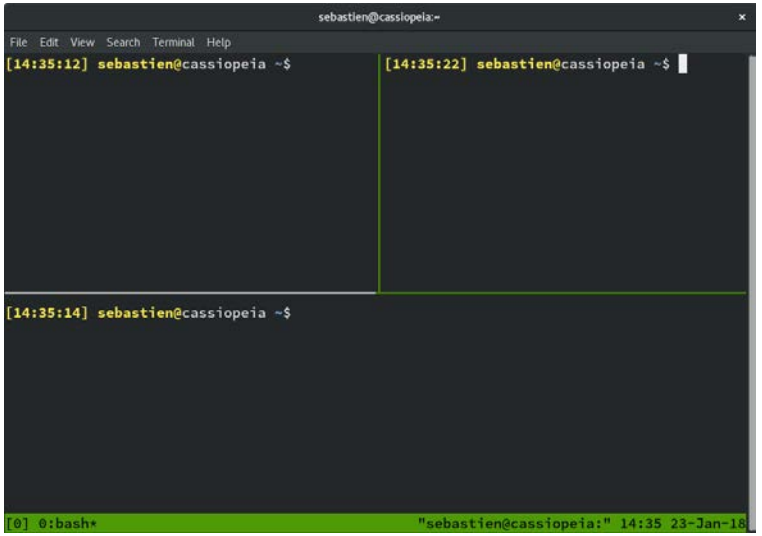
Ctrl + w then **←↓↑→**
Go to other panels

Vim plugin manager

- Pathogen
- Vundle
- **vim-plug**
  - We will use this.
- How long to start up vim:
  `vim --startuptime vim.log`
- Install vim-plug and some plugins
  - https://github.com/Sheng-Jun/vimrc





tmux (terminal multiplexer)

- Features:
  - multi-panel terminal
  - keep processes running after ending ssh session
- Install:
  - Fedora: `dnf install tmux`
  - Ubuntu: `apt-get install tmux`
  - Mac: `brew install tmux`
- Config:
  https://github.com/Sheng-Jun/tmux_config