

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 / ← ↓ ↑ →		
O/Home	Go to beginning of the line	
^/Home	First character of the line	
\$/End	Go to end of the line	
gg	Go to the first line	
G	Go to the last line	
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

Shift + v

Ctrl + v

Visual Mode

Visual Line Mode

Ctrl + > or < Indent

Visual Block Mode

Vim

- Open a file `vim example.txt`



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gg	Go to the first line	
G	Go to the last line	
u	Undo	
dd	Del the line	p Paste
D	Del rest of the line	
yy	Copy the line	

Esc Leave the mode



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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Normal Mode

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dd	Del the line	p Paste
D	Del rest of the line	
yy	Copy the line	

Esc Leave the mode

:

:

Command mode

Save/Quit

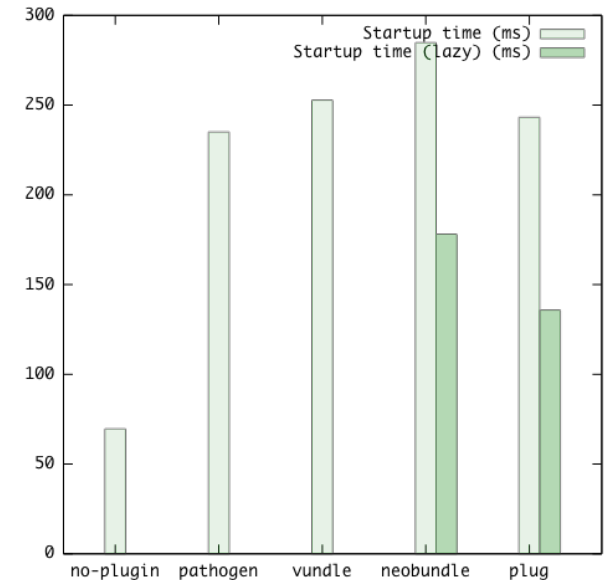
:q! Quit w/o saving
:w Save
:wq Save and quit

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>



```
sebastien@cassiopeia:~/bin
File Edit View Search Terminal Help
1 from numpy import *
2 import pyfits
3 from scipy.optimize import curve_fit
4 from scipy.optimize import leastsq
5 import matplotlib.pyplot as plt
6 import matplotlib.cm as cm
7 from matplotlib.colors import LogNorm
8 from matplotlib.gridspec import GridSpec
9 from matplotlib.ticker import MultipleLocator
10 from mpl_toolkits.axes_grid.anchored_artists import AnchoredText
11 from mpl_toolkits.mplot3d import Axes3D
12 import itertools
13 import operator
14 import sys
15
16 #-----
17 #NOTE for fitting
18 #refit and redraw
19 #ref in rS
20 #chisquare peakresi
21 #-----
22 #NOTE 01: FITTING
23 minorLocator = MultipleLocator(1)
NORMAL . /SED_fit.py          unix < utf-8 < python  0%  1:1
"SED_fit.py" 2469L, 115721C
```

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

