

Journal

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@:t ::t |:t ^:t -:t f:t *:t <:t

TeX:t LaTeX:nil skip:nil d:nil todo:t pri:nil tags:nil

informations were gathered and first demonstrated in my [https://github.com/alegrand/RR_webinars/blob/master/1_replicable_article_laboratory_notebook/index.org][First webinar on reproducible research: litterate programming].

Emacs shortcuts

Here are a few convenient emacs shortcuts for those that have never used emacs. In all of the emacs shortcuts, **C=Ctrl**, **M=Alt/Esc** and **S=Shift**. Note that you may want to use two hours to follow the emacs tutorial (**C-h t**). In the configuration file CUA keys have been activated and allow you to use classical copy/paste (**C-c/C-v**) shortcuts. This can be changed from the Options menu.

- **C-x C-c** exit
- **C-x C-s** save buffer
- **C-g** panic mode ;) type this whenever you want to exit an awful series of shortcuts
- **C-Space** start selection marker although selection with shift and arrows should work as well
- **C-l** reposition the screen
- **C-_** (or **C-z** if CUA keys have been activated)
- **C-s** search
- **M-%** replace
- **C-x C-h** get the list of emacs shortcuts
- **C-c C-h** get the list of emacs shortcuts considering the mode you are currently using (e.g., C, Lisp, org, ...)
- With the "*reproducible research*" emacs configuration, **C-x g** allows you to invoke Magit (provided you installed it beforehand!) which is a nice git interface for Emacs.

There are a bunch of cheatsheets also available out there (e.g., this one for emacs and this one for org-mode or

HOW TO LEARN EMACS

A beginner's guide to Emacs 24 or later
Sacha Chua (@sachac) · sachachua.com/begin-emacs

2013/2

STEP 0 If you're a developer or sysad, it's okay. Learn the basics so that you can easily work on other people's computers. If you know your way around Vim, people won't give you as much grief over Emacs.

Learn Vim → the other text editor

Bonus mini-checksheet!
Here's what you need to know in Vi:
i insert mode ↔ csc? command mode
Long-time Vi user trying out Emacs?
:w write / save file
:q quit
:q! really quit
evil mode Emacs

Emacs? You're never installing that in my box! Be smart editor zen! Be ambitious!

You can actually edit remote files in Emacs, but there's an intermediate topic (Cursors? see below)

server / ssh / ftp / emacs

Why Emacs?
- Amazingly customizable
- Endless room for growth

Okay, once you know the basics of Vim, you can get on with learning Emacs.

STEP 1 **Learn how to learn**

There are some old books on Emacs, but the version differences can be rather confusing. Start with the built-in tutorial instead. **Help → Emacs Tutorial** ← repeat as many times as you need to

Can't use the menu? Press **Control-H** to start.

NOTE: The Emacs tutorial has lots of weird terms: "Meta key", "frame", "buffer". This is because Emacs started a long time ago. Don't worry, you'll get the hang of it with practice. Some things that might help:

C-x C-s This is how keyboard shortcuts are written.
- Press Control-x at the same time
- Then let go of x and press Control-s
Tip: Since you're using Control for both keys, you can't hold Control down, instead of letting go between x and s.

M-x lets you call commands by name, which is great if you can't remember the keyboard shortcut. Ex: M-x help-with-tutorial RET (usually Ctrl-H)

Other good help commands:
C-h: manual
C-h x: keyboard shortcuts, gives you a list of help
C-h f: describes commonly used functions
C-h a: searches for commands
C-h e: shows help

Windows show buffers, which could be:
- files
- processes
- other info

Other resources:
- emacswiki.org
- Lots of resources
- planet.emacsen.org
- Emacs-related blogs
- IRC: #emacs on freenode.net
- Great for help and hanging out

STEP 2 **Learn Emacs basics**

C-x C-f open (find-file)
C-x C-s save
C-x C-c quit

NOTE: You don't need to quit Emacs after each file. Just leave it running and use **C-x C-f** to open the next.

How to select text:
- Go to the start of your selection and press **C-SPC** (Control+Space)
- Go to the end of your selection and run your command

C-w cut (kill)
C-y paste (yank)
- M-y paste older things
C-/ undo

* Learn how to use keyboard macros. They're awesome.
C-x C- start macro
C-x C-) end macro
C-x C-e execute macro
C- ... again

STEP 4 **Learn other handy tips**

Buffer & window management
C-x b switch buffer
C-x 2 split
C-x 3 split
C-x 0 other window
C-x 1 get rid of current window
C-x 1 get rid of other windows

Navigation & Search
M-g M-g go to line (also M-g M-g and then press g twice)
C-s Interactive search
C-r Interactive search backward
M-> End of buffer
M-< Beginning of buffer
M-x occur RET Find lines

STEP 3 **Extend & customize**

M-x load-theme RET
Try out color themes → see docs to see the list of themes
M-x customize-group RET
Set common options
M-x customize-face RET
change background, foreground, etc.

M-x list-packages RET
install lots of modules

and then...
editing your `~/.emacs.d/init.el` file!

C-c C-) initializes your Emacs, adds new functionality, and so on. Use **M-x eval-buffer** or restart Emacs to see the changes.
● Break your Emacs config? **emacs -q** skips your customizations

Want a prettier Emacs? Check out color themes! (lots of packages to add more life to your Emacs)

Just use **C-x C-f** to create it!

See emacswiki.org for lots of examples

STEP 5 **Explore!**

Org-mode.org
organize your life in plain text

TRAMP
remote access

Calc
powerful calculator and converter

Eshell / Term
command-line in Emacs

Writing & debugging Emacs Lisp
(it sounds scary, but it's powerful!)

There's so much more!
Wouldn't it be awesome if my Emacs editor could...
On read, install
Ask away and discover more by exploring!

Sacha Chua

this

Org-mode

Many emacs shortcuts start by **C-x**. Org-mode's shortcuts generally start with **C-c**.

- Tab fold/unfold
- **C-c c** capture (finish capturing with **C-c C-c**, this is explained on the top of the buffer that just opened)
- **C-c C-c** do something useful here (tag, execute, ...)
- **C-c C-o** open link
- **C-c C-t** switch todo
- **C-c C-e** export
- **M-Enter** new item/section
- **C-c a** agenda (try the L option)
- **C-c C-a** attach files
- **C-c C-d** set a deadline (use **S-arrows** to navigate in the dates)
- **A-arrows** move subtree (add shift for the whole subtree)
- table des matières : ajouter **#+TOC: headlines 2** à l'endroit souhaité (avec ici 2 niveaux)

Org-mode Babel (for literate programming)

- **<s + tab** template for source bloc. You can easily adapt it to get this:

```
#+begin_src shell
ls
#+end_src
```

Now if you **C-c C-c**, it will execute the block.

```
#+RESULTS:
| #journal.org# |
| journal.html |
| journal.org |
| journal.org~ |
```

- Source blocks have many options (formatting, arguments, names, sessions,...), which is why I have my own shortcuts **<b + tab** bash block (or B for sessions).

```
#+begin_src shell :results output :exports both
ls /tmp/*201*.pdf
#+end_src
```

```
#+RESULTS:
: /tmp/2015_02_bordeaux_otl_tutorial.pdf
: /tmp/2015-ASPL0S.pdf
: /tmp/2015-Europar-Threadmap.pdf
: /tmp/europar2016-1.pdf
: /tmp/europar2016.pdf
: /tmp/M2-PDES-planning-examens-janvier2016.pdf
```

- I have defined many such templates in my configuration. You can give a try to <r, <R, <RR, <g, <p, <P, <m ...
- Some of these templates are not specific to babel: e.g., <h, <l, <L, <c, <e, ...

tuesday

2018

2018-11 November

2018-11-17 Saturday

1. Installation et configuration d'Emacs org-mode pour ce journal

2018-11-19 Monday

1. Installation du système complet sur mon mini-pc Windows 10 perso

- notepad++ 7.5.9 (à partir du Windows store pour pouvoir le définir comme éditeur de fichiers .txt par défaut)
- Git 2.19.1
- R 3.5.1
- Python 3.7.1
- Perl (Strawberry) 5.28.0.1
- ImageMagick 7.0.8 Q16
- Ghostscript 9.25 (ajout du répertoire du binaire dans la variable d'environnement PATH)
- MikTeX 2.9.6
- paquet TeX "pdfcrop"
- Xournal 0.4.8
- TexMaker 5.0.3
- emacs 26.1 (version modifiée pour Windows, obtenue [[<https://vigou3.gitlab.io/emacs-modified-windows/>]] à partir de cette

source]])

2. Travail sur un script pour convertir un tableau (aide à F. Causeret pour Cavalbio)

2018-11-20 Tuesday

1. Script et tableaux finaux pour l'analyse économétrique envoyés à F. Causeret

2. Recyclage SST

- Intro :
 - penser à renseigner le "registre santé et sécurité au travail" disponible dans chaque unité, si on a une chose à faire remonter (amélioration, danger potentiel)
 - document "autorisation de sortie" sans infirmière (disponible sur le site intranet prévention, auprès des AP)
 - fiche d'appel d'urgence dans chaque unité
 - site internet www.apo.com

- Plan d'intervention SST
- numéros d'appel :
 - 15 (SAMU, en priorité si à la maison ou au travail)
 - 18 (pompiers)
 - 17 (gendarmerie, sur voie publique)
 - 112 (numéro européen, y compris en cas d'attaque terroriste)
 - 114 (texto, pour personnes malentendantes)
 - 196 (à terre, si on voit un danger en mer)
- malaise :
 - communiquer, poser des questions
 - AVC : inspecter les signes (déformation visage, douleur tête et bras...)
 - appel :
 - * je me présente, SST, numéro par lequel j'appelle
 - * je décris la situation, le nb de victimes, ce que j'ai fait
 - * le lieu exact
 - * si on envoie une personne à tel endroit
 - * attendre que le service nous dise de raccrocher
 - si crise d'épilepsie, dégager l'espace et attendre que la crise passe
- PLS :
 - si victime inconsciente qui respire
 - pour dégager les voies respiratoires
- Saignements
 - faire se moucher vigoureusement si saignement de nez, pincer les narines 10 minutes
 - abondant : Arrêter, Allonger, Alerter
 - arrêter par compression ; pansement si on doit s'éloigner ; si pansement imbibé au retour, reprendre compression
 - garrot si besoin de s'absenter pour porter secours à d'autres victimes
- Brûlure
 - thermique ou électrique : arroser par ruissellement
 - inhalat

2018-11-21 mercredi

1. Test de modification du journal sur mini-PC perso
2. Améliorations au journal / OrgMode

2018-11-22 Thursday

1. Configuration autour de la recherche reproductible

- lu pas mal de références sur rmarkdown, emacs-OrgMode, bookdown... pour trouver la solution idéale pour la prise de notes
- installé bookdown mais ça paraît compliqué : pas de gestion au jour le jour, ou alors il faut créer un chapitre par jour et/ou activité, ce qui rend ensuite difficile de tout avoir sous l'oeil -> emacs-OrgMode gagne haut la main
- désinstallé TexLive pour installer TinyTeX sous R/RStudio, mais ça casse le fonctionnement de LaTeX avec emacs, donc désinstallé TinyTex et réinstallé TexLive (à partir du site web de TexLive, non pas à partir du gestionnaire de paquets de la distribution Linux)
- installé la librairie "citr" pour tester l'intégration de références biblio directement depuis Zotero dans un fichier rmarkdown
- à propos de bookdown, j'ai trouvé comment initialiser un nouveau book :
 - créer un nouveau projet R
 - dans la console, taper : `bookdown::bookdown_skeleton(getwd())`
 - cela va créer un squelette de livre à éditer

Entered on [2018-11-22 Thu 20:23]

file:~/TRAVAIL/github/guyader-lab-inra/org/journal.org