Methods Training Scholarship, Posters and Thesis (English)

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Day	Date	Session	Торіс
1	13-02-2019	Morning (9:00 - 12:00)	Introduction
1	13-02-2019	Morning	Scholarship and research
1	13-02-2019	Morning	Taking notes
1	13-02-2019	Afternoon (13:00 - 15:30)	Posters
1	13-02-2019	Afternoon	Intro to Linux, desktop, command line
1	13-02-2019	Afternoon (15:30 – 18:00)	Personal working time (poster)
2	14-02-2019	Morning	Citations
2	14-02-2019	Morning	Literature searching and bibtex files
2	14-02-2019	Morning	Reference management (Citavi and Jabref)
2	14-02-2019	Afternoon	Inkscape & (Python3 ?)
2	14-02-2019	Afternoon	Personal working time (poster)
3	15-02-2019	Morning	Research questions and hypotheses
3	15-02-2019	Morning	Writing your thesis and personal time line
3	15-02-2019	Morning	FAQ thesis, IATEX
3	15-02-2019	Afternoon	Personal working time (poster)
	17-02-2019	Night (21:00)	Final PDF uploaded to LEA
4	18-02-2019	Morning 9:00	Poster PDF must be delivered to printshop
4	18-02-2019	Morning (1 hr)	Git
4	18-02-2019	Morning 10:00	Library seminar
4	18-02-2019	Afternoon	Significant figures and rounding
4	18-02-2019	Afternoon	Personal working time
5	19-02-2019	Morning	Ethics
5	19-02-2019	Morning	Course evaluations
5	19-02-2019	Afternoon	Poster presentation
	??-??-2019	08:00-11:00	Poster Session at the Niehl training center

Questions or comments from last lecture(s)?

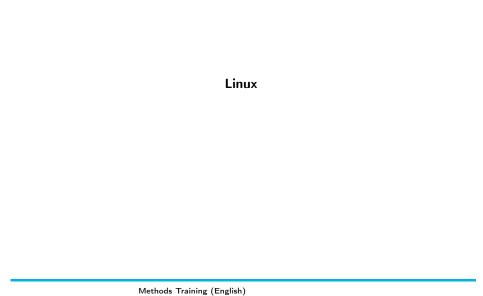
German and English Thesis Examples and Template:

 $https://gitlab.com/k.n.kirschner/H-BRS_Thesis_Template.git$

FAQ About Thesis:

LEA \rightarrow EMT-Studieninfos \rightarrow Prufüngen \rightarrow FAQ \rightarrow Häufige Fragen zu Prüfungsangelegenheiten \rightarrow Prüfungsinformationen für alle EMT-Studiengänge: \rightarrow Fragen zur Abschulssarbeit und zum Kolloquim

Bib-Cloud – https://www.h-brs.de/en/bib/cloud-storage-keep-yourfiles-safe-bibcloud



Stickycomics.com



http://hypertechtronium.com/es-gibt-ein-update-linux-vs-windows-vs-mac-co/

Linux

- Linux is an operating system
- Shell and a Desktop environment (e.g. GNOME, KDE)
- September 17, 1991 by Linus Torvalds
- Android is based on Linux

https://en.wikipedia.org/wiki/Linux

Linux Distros



Advantages and Disadvantages

Advantages:

- Free and open-sourced software
- Very stable
- Less vulnerable to malware
 - Not targeted
 - Security is already build into the OS
- Does not slow down over time

Disadvantages:

- MS software often won't run
- Small selection of peripheral hardware drivers (best to use hardware that has been out for a while)
- Learning curve

Software

Software Type	Windows/Mac	Linux
Writing	Microsoft Word	LibreOffice Writer, Latex & Kile
Presentation	Microsoft PowerPoint	LibreOffice Impress
Spreadsheet	Microsoft Excel	LibreOffice Calc
Statistical/plotting	Matlab, R	R, Gnuplot, python (w/ matplotlab)
Raster graphics	Adobe Photoshop	GIMP
Vector graphics	Corel Draw	Inkscape
Video Editor	Various	Mplayer/Mencoder
References	EndNote, Citavi	Jabref, Zotero

What his available

Summary of Linux OS software:

http://distrowatch.com/dwres.php?resource=major

Debian software available:

https://packages.debian.org/stable/

General Linux things

- Windows 10 has Linux built in (Windows Subsystem for Linux...Debianish...but does do GUI easily)
- desktop environment KDE and Gnome most popular
- bash shell
- autocompletion using Tab key
- hidden files

Basic commands (& Codecademy)

- https://www.codecademy.com/catalog/language/bash
- Is list directory content
- pwd print working directory
- cd DIR_NAME change directory to "DIR_NAME"
- cd .. change directory back one
- mkdir DIR_NAME make directory whose name is "DIR_NAME"
- touch FILE_NAME create an empty file whose name is "FILE NAME"

More helpful line commands

- rm FILE_NAME removes a file
- rm -r DIR_NAME removes a directory
- rm --help information on command usage
- cp FILE_NAME NEW_FILE_NAME copy file
- cp -r DIR_NAME NEW_DIR_NAME copy directory
- mv FILE_NAME NEW_FILE_NAME renames a file (i.e. moves it)
- top and ps (-ef) running processes
- kill ####
- grep PATTERN search for pattern occurrence

Go online and Google "Linux cheat sheet"

Hint: directory naming

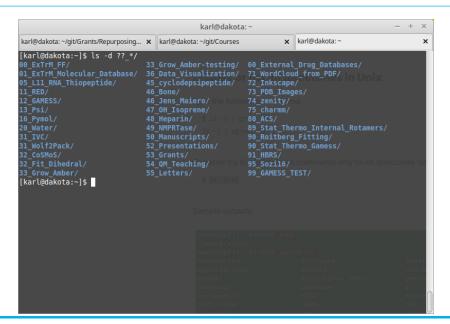




Photo by Greg Jeanneau on Unsplash

Methods Training (English)

- Home: https://inkscape.org
- Open-sourced vector graphics (i.e. scalable) svg format
- Alternative to illustrator
- Linux, Windows, Macs
- Sources of open images: https://commons.wikimedia.org



Zooming

- $lue{}$ Quick zoom position mouse on image ightarrow Strg + mouse wheel
- Zoom 1:1 1 key
- Zoom 1:2 2 key
- Zoom to selection 3 key
- Zoom to drawing 4 key
- Zoom to page 5 key
- Zoom to page width 6 key

Coloring

- $lue{}$ Color fill select object ightarrow Strg + right mouse click on color
- $lue{}$ Color stroke select object ightarrow Shift + right mouse click on color
- Stroke line size the number that is right of the stroke color
- Color pallets small arrow to the right of the current color bar

Moving things around (after selection)

- Raise selection one up Bild Up key.
- Raise selection Bild Down key.
- Raise selection to the top Pos1 (Home) key.
- Raise selection to the bottom Ende key.
- Arrow keys nudge an object
- Shift+Arrow key a big nudge
- Single click on object double arrows change size (Strg and Shift)
- Double click on object double arrows rotate (Strg)

Misc

- Fill and Stroke Strg-Shift-F (or right mouse click) (RGB: http://paletton.com)
- Bezier Tool (plus mode selection button) curved and straight lines (also use Strg key)
- Duplicate object Strg-D
- Group and ungroup objects Strg-G and Strg-U
- Temporarity group/ungroup objects Shift-right click
- Align and Distribute objects Strg-Shift-A
- Page grids # (i.e. Shift 3) or View \rightarrow Page Grid
- Document Properties Strg-Shift-D
- Save and Save As... svg, pdf