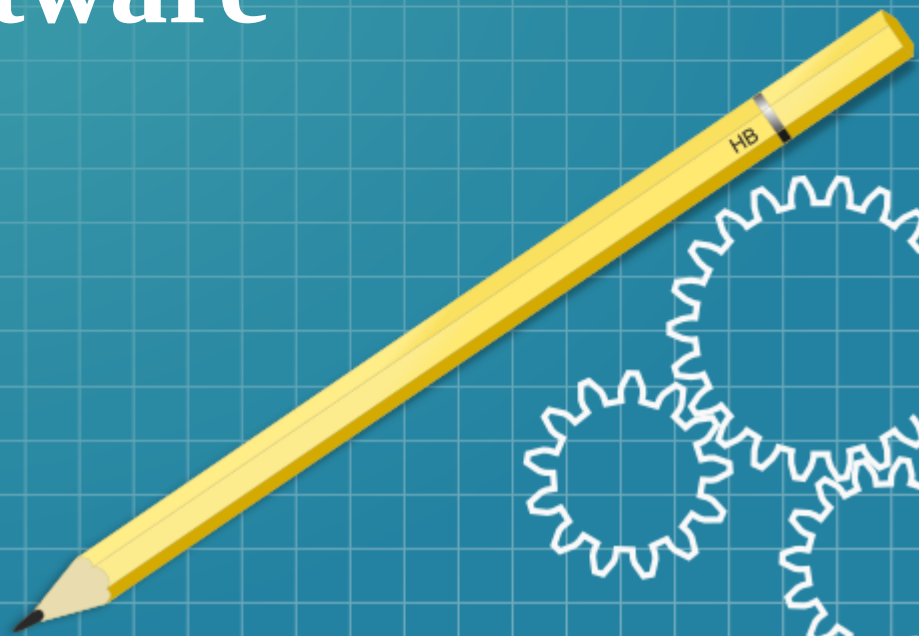
Linux Users' Group of Davis Presents:

Getting Started With Free & Open Source Software



The FOSS Choice

- Free as in ~~beer~~ pizza: no cost to you
- Free as in Freedom: the ethical choice
- Powerful and flexible software
- Use your choice of new or older computers
- Community development model
- Contribute to software yourself: code, documentation, or advocacy

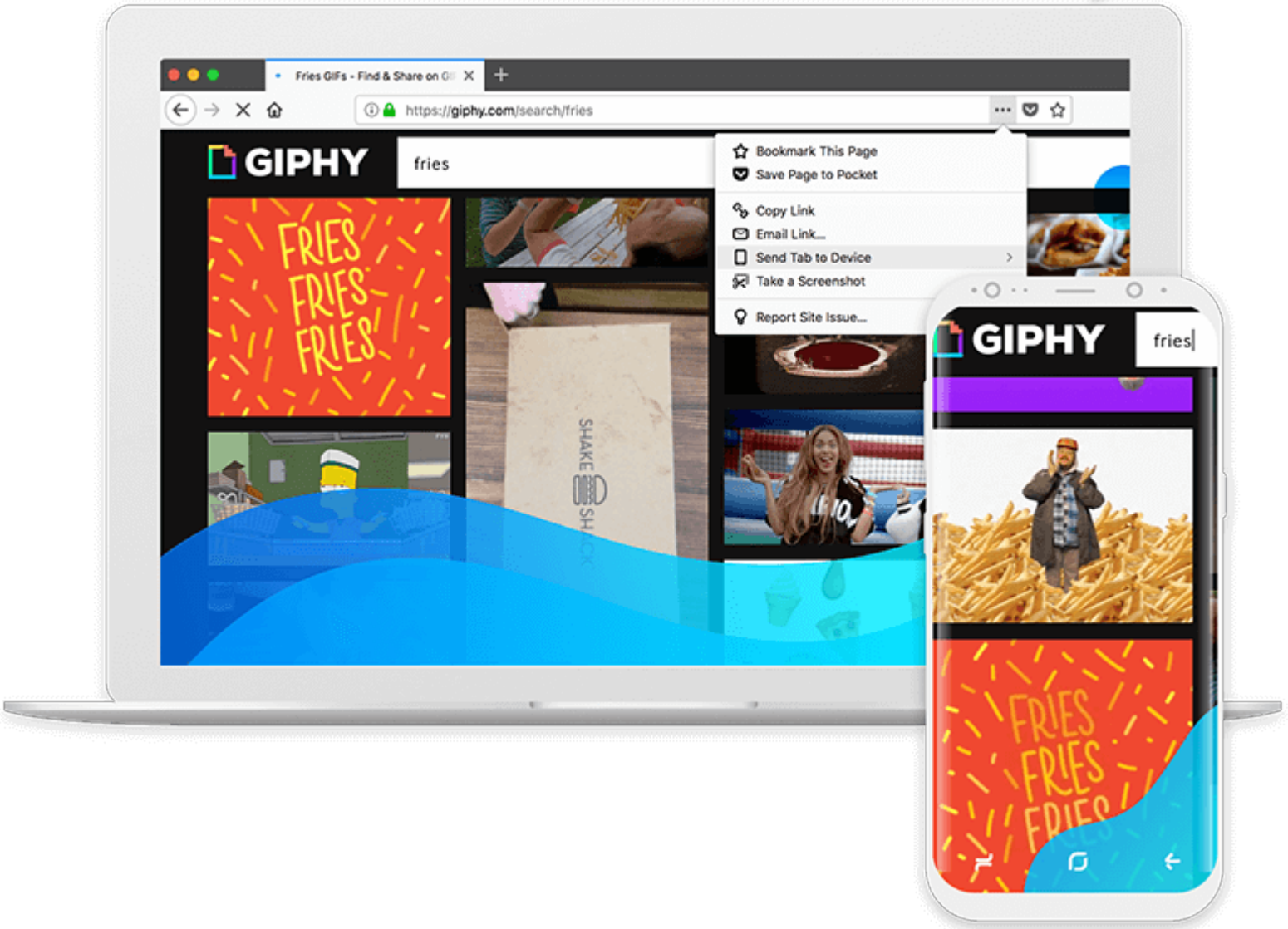
Mozilla Firefox

moz://a

Mozilla Firefox

- https://www.mozilla.org/en-US/firefox/
- Web browser available for Windows, Apple, and Linux
- Replace Apple Safari, Google Chrome, Microsoft Edge or Explorer
- Faster page loading
- Lower memory use
- Better battery life
- Tracking protection and private browsing
- Containerized tabs
- Mobile version bookmark sync with desktop
- Thousands of free extensions including annotation, text highlighting, creating citations, ad-blocking, password management, privacy, security, shopping, and more

Mozilla Firefox

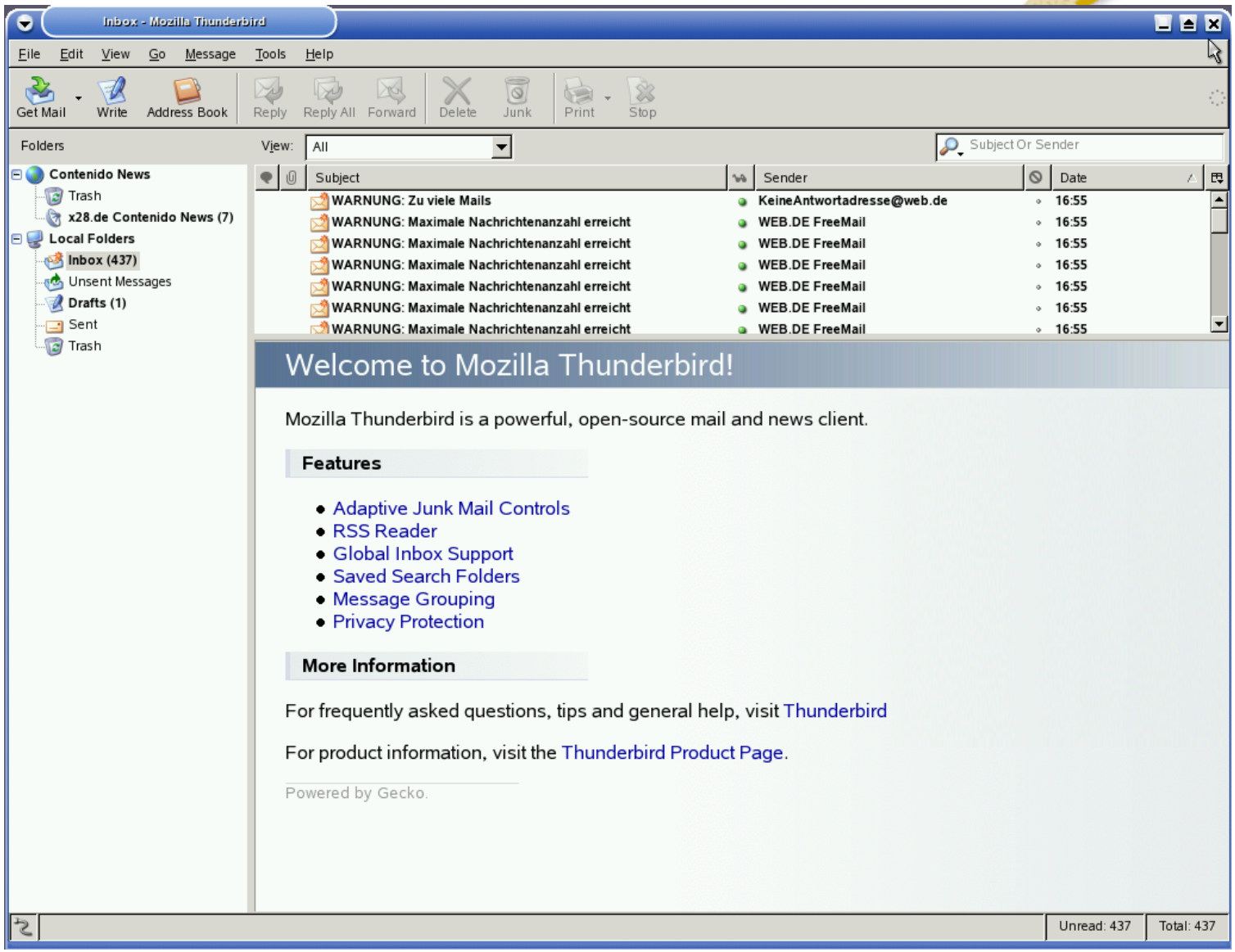


Mozilla Thunderbird

Mozilla Thunderbird

- https://www.thunderbird.net/en-US/
- Available for Windows, Apple, and Linux
- Program to replace Microsoft Outlook or web-based email interfaces
- Manage multiple email addresses from one program
- Compatible with Gmail, Yahoo, Microsoft Live/Outlook.com, UC Davis student email, and other email providers
- Avoid webmail interfaces, download and your mail to your computer
- Flexible and powerful with thousands of extensions for organizing and sorting mail, autoreplies, encryption and privacy, managing contact lists, and more

Mozilla Thunderbird



Libre Office

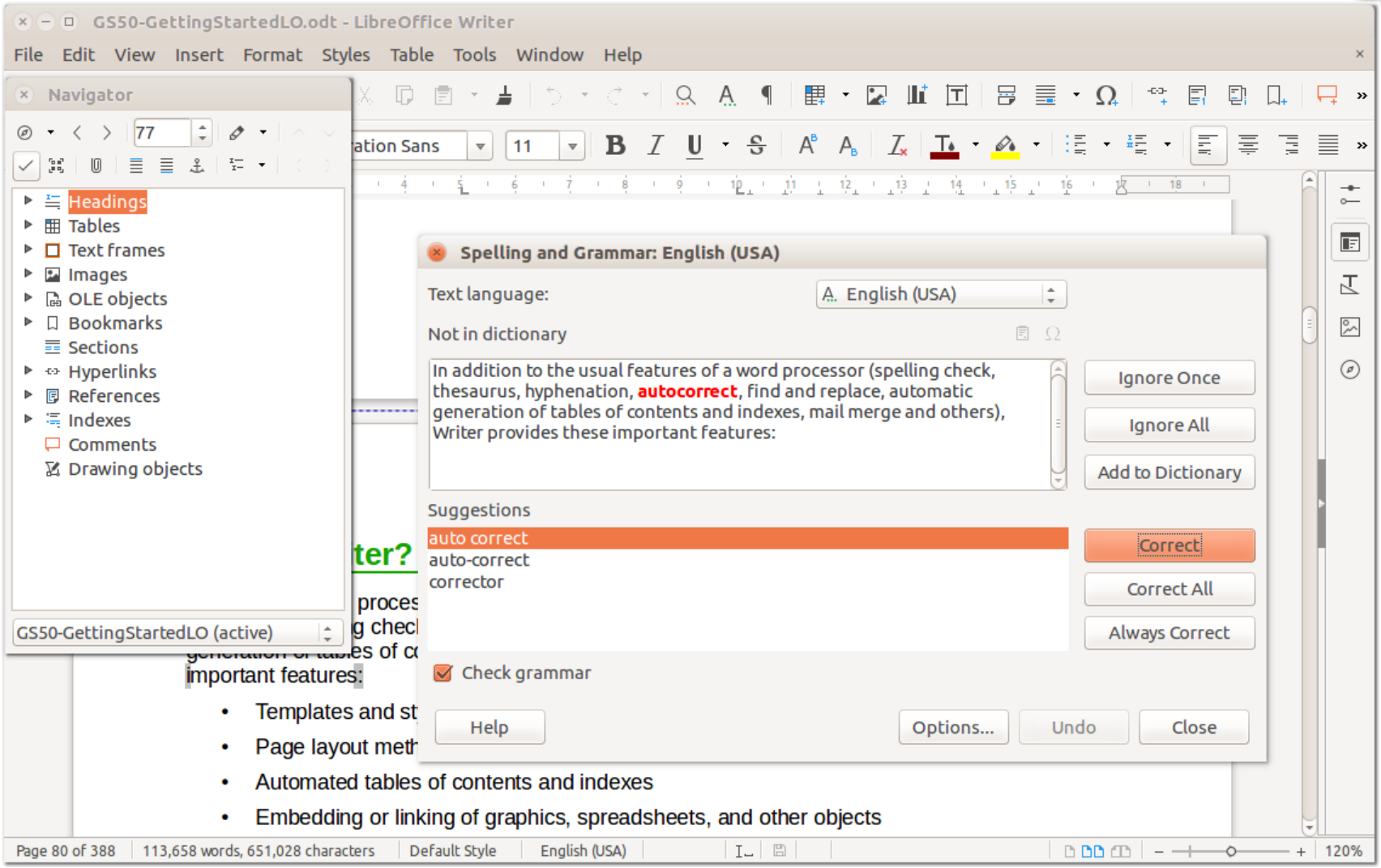
Libre Office

- https://www.libreoffice.org/
- Runs on Windows, Apple, or Linux
- Office suite to replace MS Office/365 or Apple products
- LO Writer – Word processor (Word, Pages)
- LO Impress – Presentation slides (Powerpoint, Keynote)
- LO Calc – Spreadsheets (Excel, Numbers)
- LO Base – Databases (Access)
- LO Draw – Diagrams
- LO Math – Formula editor

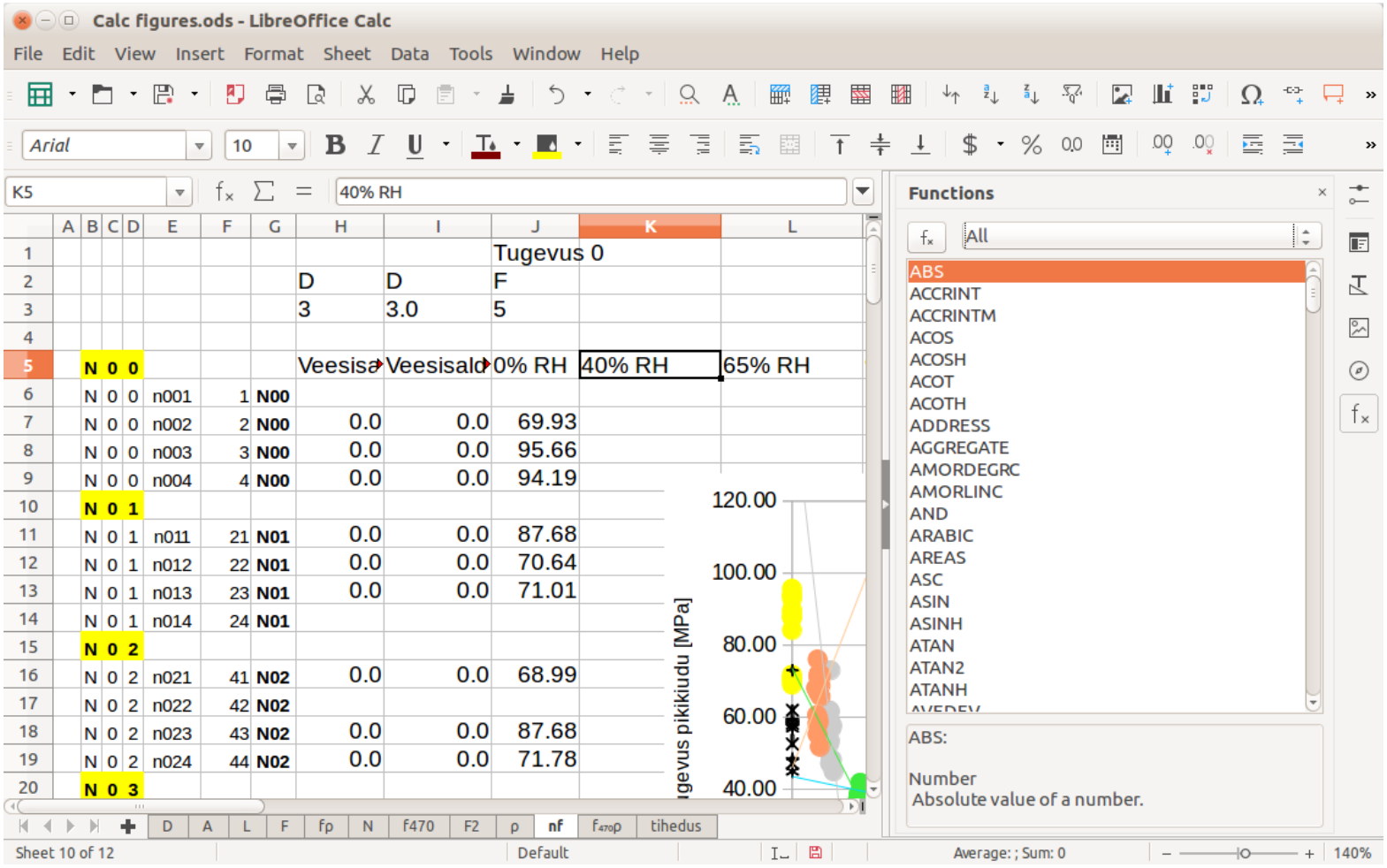
Libre Office

- Uses free and open Open Document Format standard (.odt text, .ods spreadsheet, .odp presentations, and .odg illustrations)
- Able to load and save Word, Excel, and Powerpoint documents (.docx, .xls, .ppt)
- Fast, clean interface
- Powerful features like any other office suite
- Runs well on older hardware

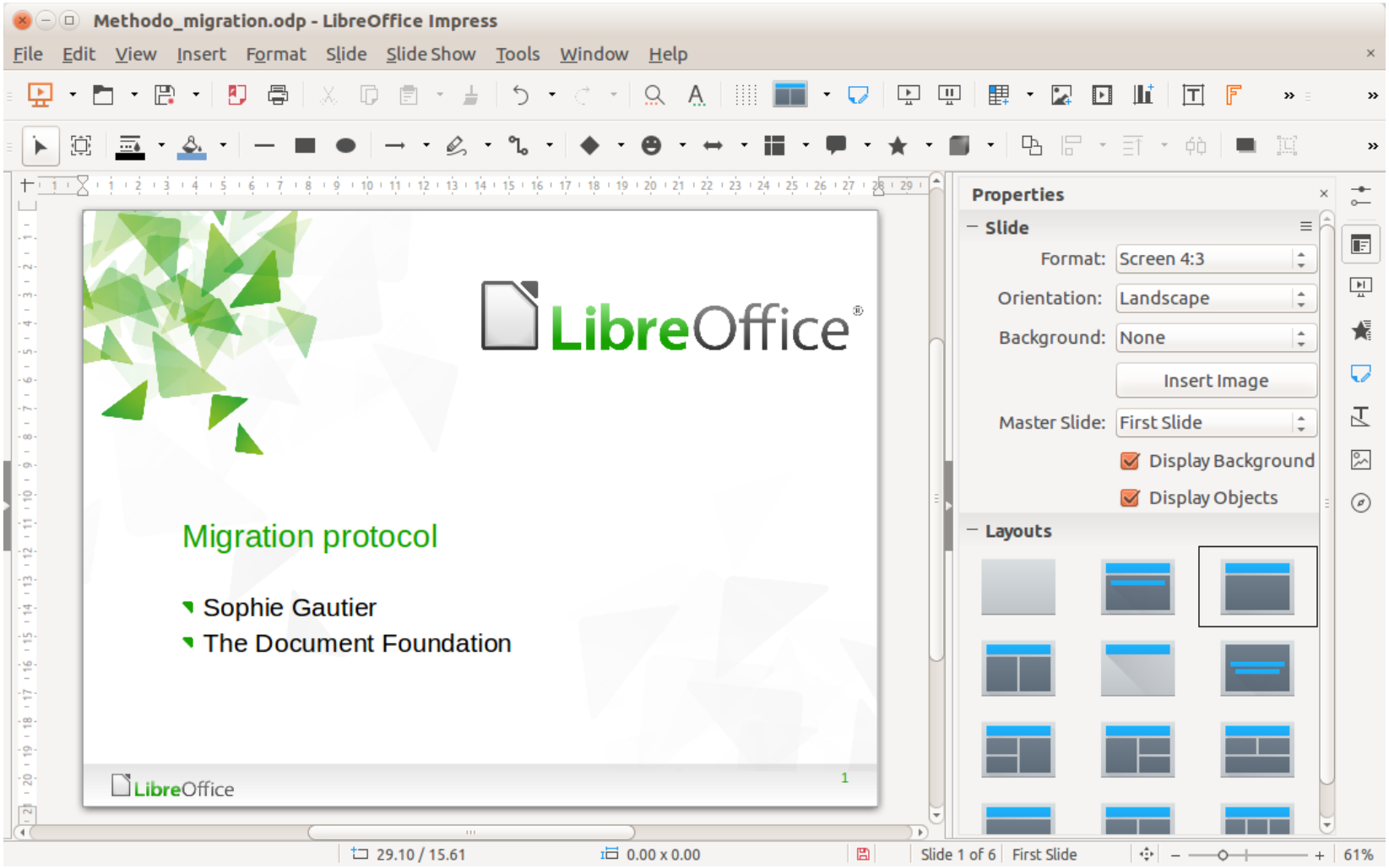
Libre Office



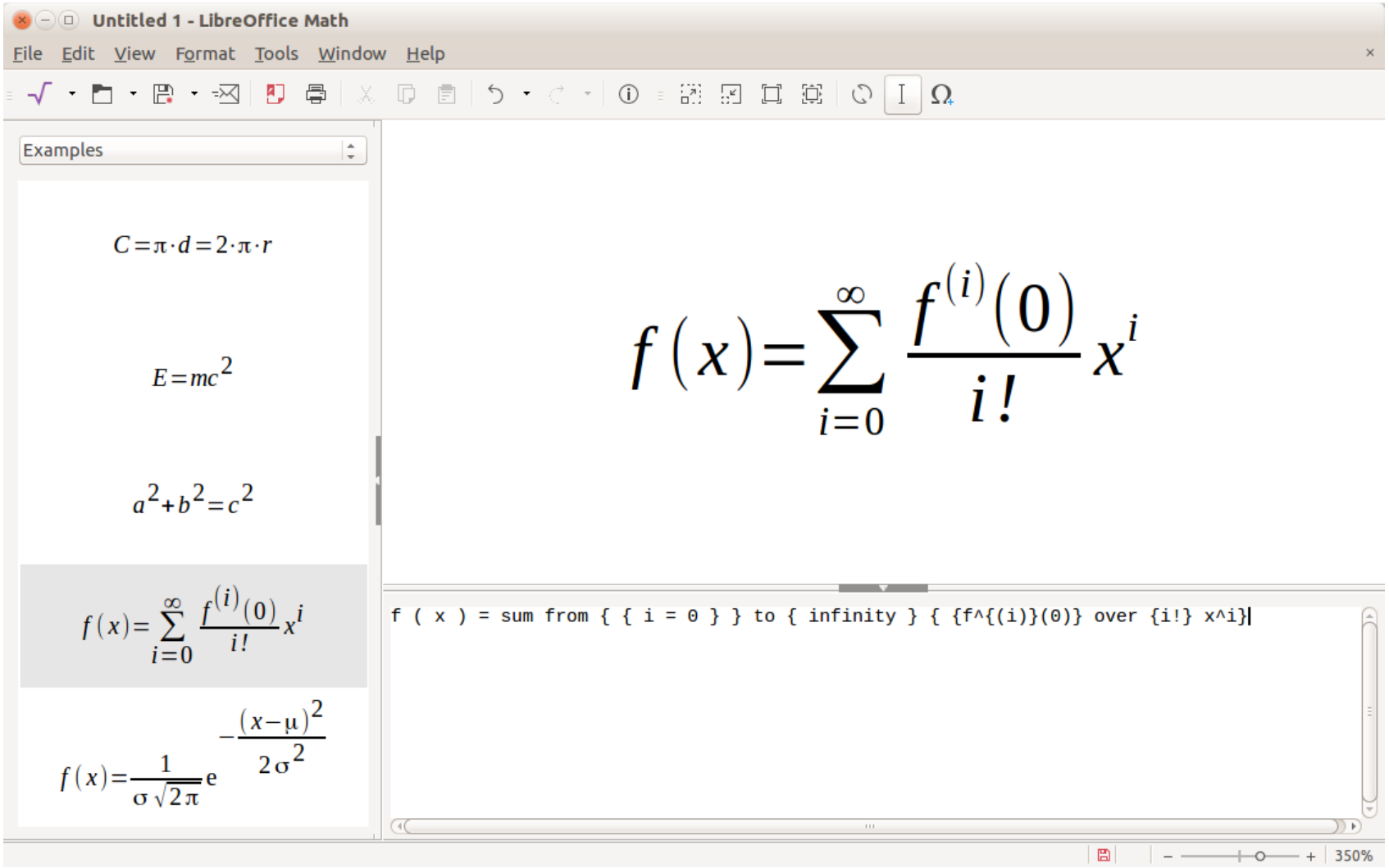
Libre Office



Libre Office



Libre Office

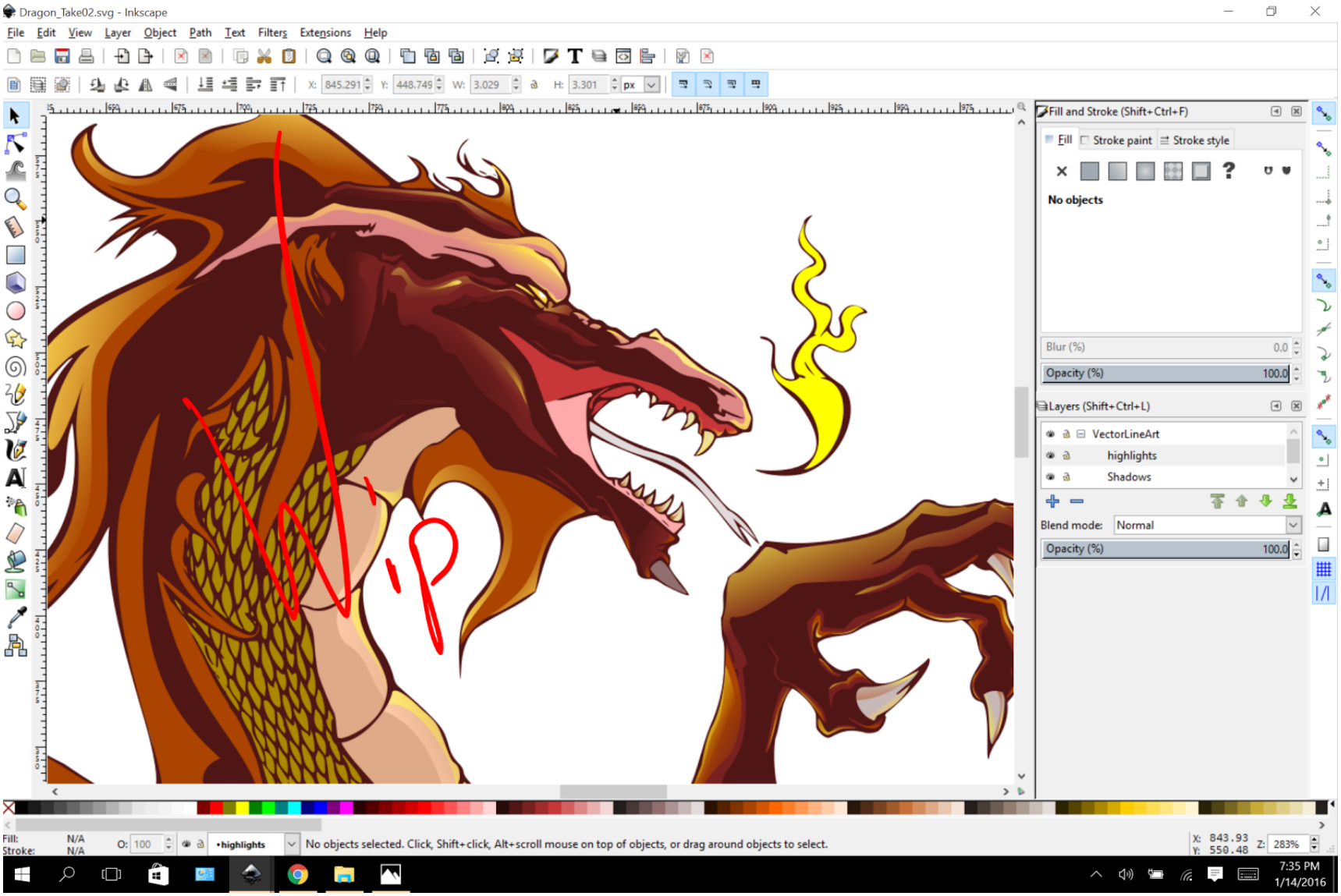


Inkscape

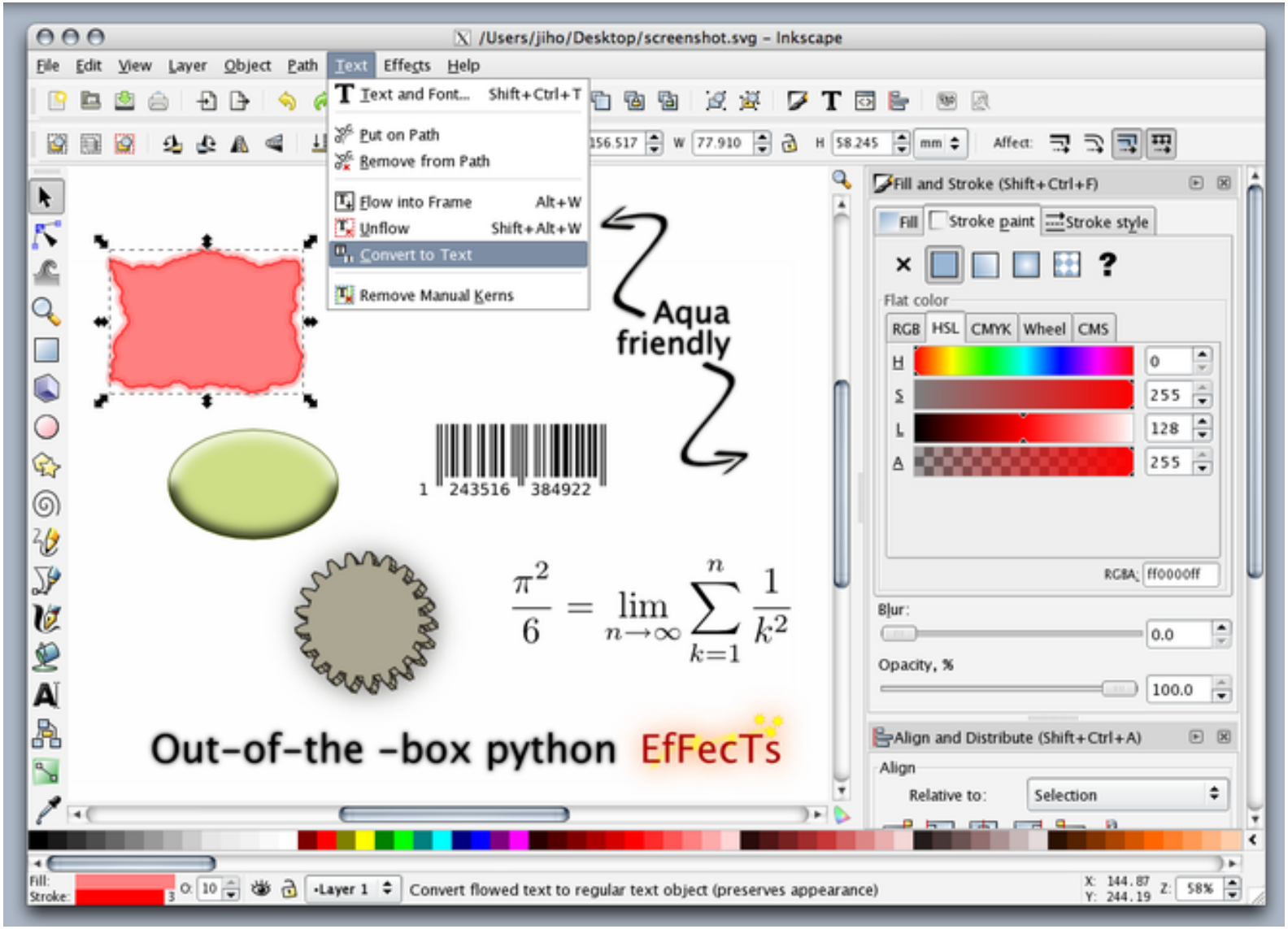
Inkscape

- https://inkscape.org/en/
- Available for Windows, Apple, and Linux
- Vector image drawing for graphics, illustrations, and artwork
- Draw and render professional-grade images
- Wide filetype support, including SVG, PNG, ODG, PDF, EPS, PS

Inkscape


Dragon_Take02.svg - Inkscape
File Edit View Layer Object Path Text Filters Extensions Help
Fill and Stroke (Shift+Ctrl+F)
Fill Stroke paint Stroke style
No objects
Blur (%) 0.0
Opacity (%) 100.0
Layers (Shift+Ctrl+L)
VectorLineArt
highlights
Shadows
Blend mode: Normal
Opacity (%) 100.0
No objects selected. Click, Shift+click, Alt+scroll mouse on top of objects, or drag around objects to select.
7:35 PM
1/14/2016

Inkscape


/Users/jiho/Desktop/screenshot.svg – Inkscape
File Edit View Layer Object Path Text Effects Help
Text and Font... Shift+Ctrl+T
Put on Path
Remove from Path
Flow into Frame Alt+W
Unflow Shift+Alt+W
Convert to Text
Remove Manual Kerns
Aqua friendly
1 243516 384922
$\frac{\pi^2}{6} = \lim_{n\to\infty} \sum_{k=1}^{n} \frac{1}{k^2}$
Out-of-the -box python EffecTs
Fill and Stroke (Shift+Ctrl+F)
Fill Stroke paint Stroke style
Flat color
RGB HSL CMYK Wheel CMS
RGBA: ff0000ff
Blur:
Opacity, %
Align and Distribute (Shift+Ctrl+A)
Align
Relative to: Selection
Layer 1
Convert flowed text to regular text object (preserves appearance)

Inkscape

Krita

Krita

- https://krita.org/en/
- Available for Windows, Apple, and Linux
- Digital painting and artwork program
- Especially for “illustrations, concept art, matte painting, textures, comics and animations”
- Highly developed and powerful software

Krita

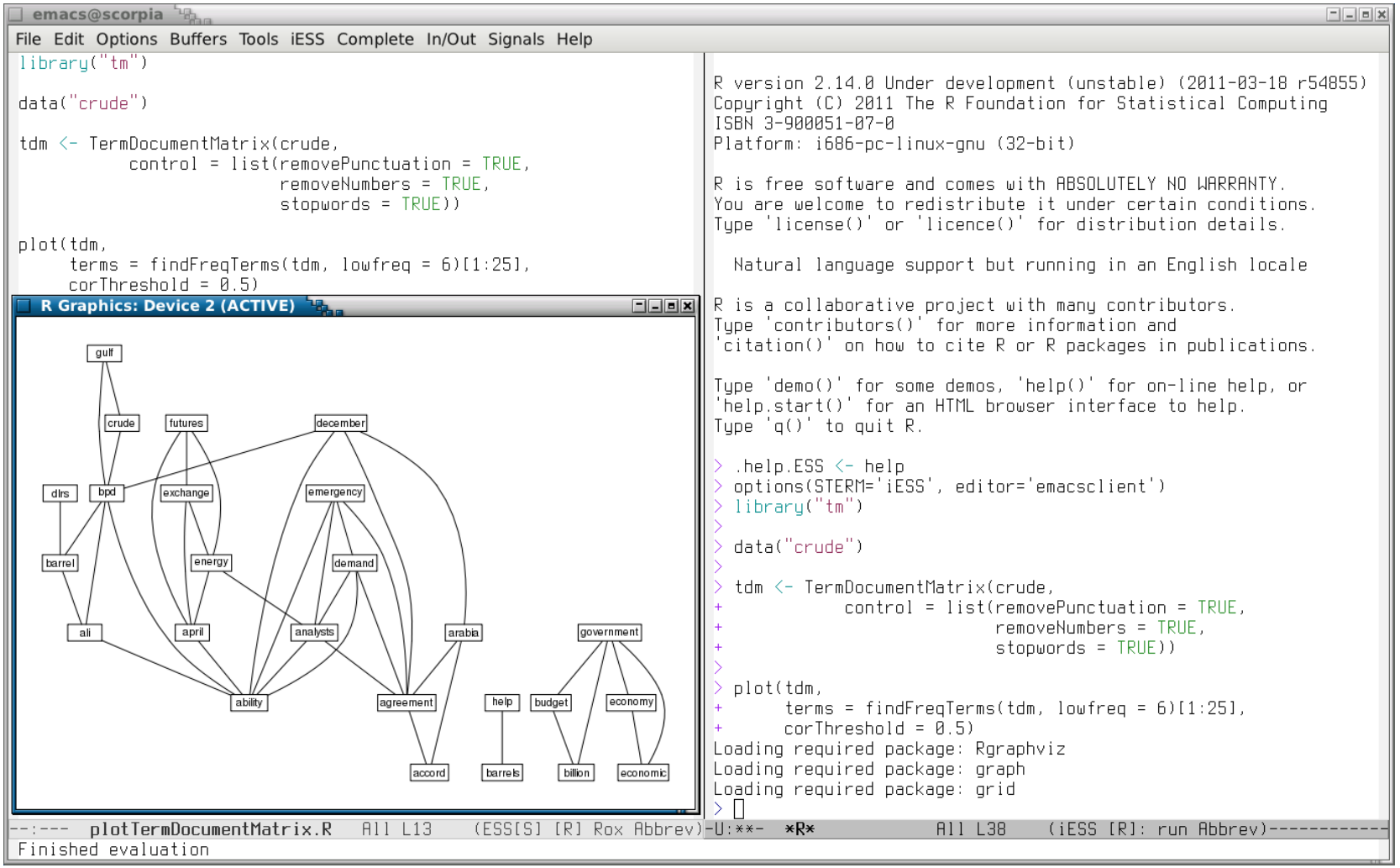
File Edit View Image Layer Select Filter Tools Settings Window Help
Normal
Opacity: 1.00
Size: 40.00 px
kiki_4.0.png (65.8M)
2016-11-14_vertical-cover-book-two.kra (245.0M)
Overview
Tool Opti...
Advanced Color...
Advanced Color Selector
Layers
Channels
Normal
Opacity: 100%
compo
persp
fx -light
artwork
Brush Presets
All
Tag
Search
b) Basic-5 Size(b) Basic-5 Size default.kpp)
RGB/Alpha (8-bit integer/channel) sRGB built-in
2802 x 3780 (195.8M)
67%

The R Project

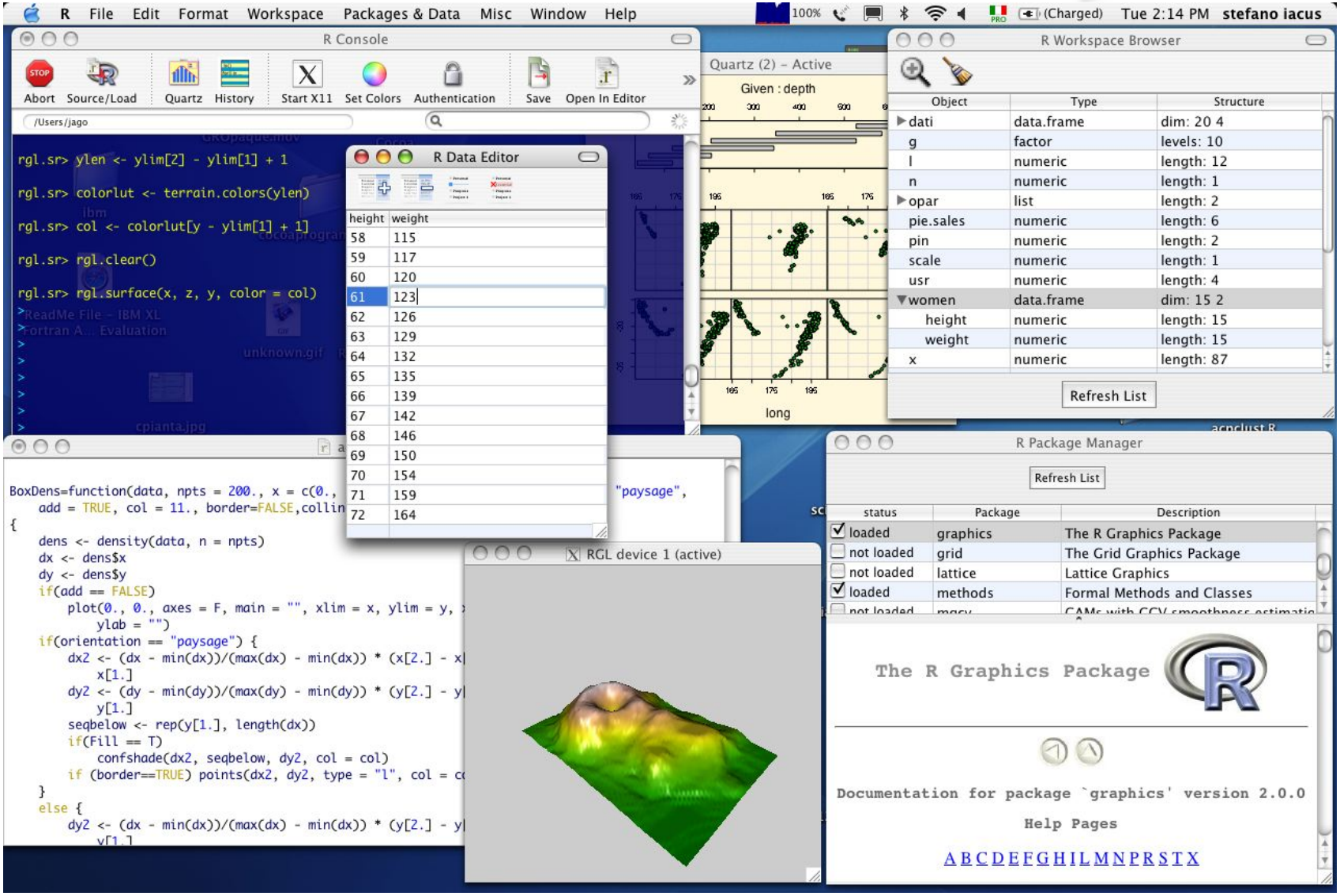
The R Project

- https://www.r-project.org/
- Available for Windows, Apple, and Linux
- The R Project for Statistical Computing environment
- R programming language
- For “linear and nonlinear modelling, classical statistical tests, time-series analysis, classification, clustering” and other statistical techniques
- Graphics and charts
- Extremely flexible and extensible
- Used heavily in academia and the business world
- Very common in a wide range of UC Davis math, statistics, and science courses in a wide range of disciplines

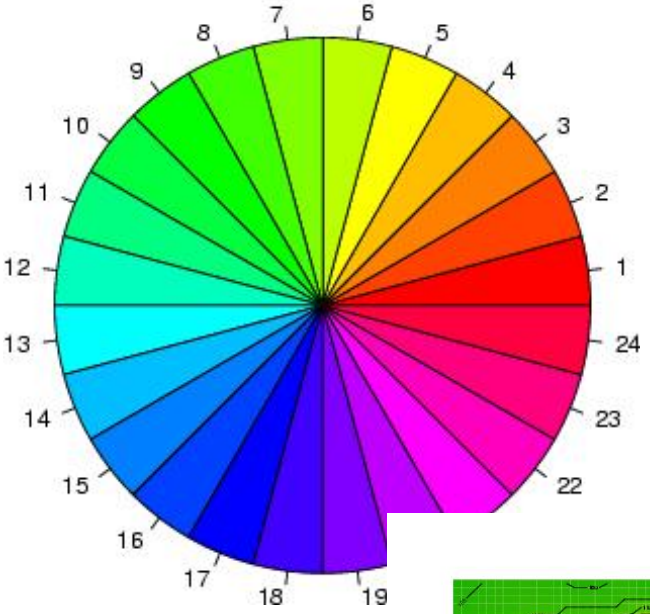
The R Project

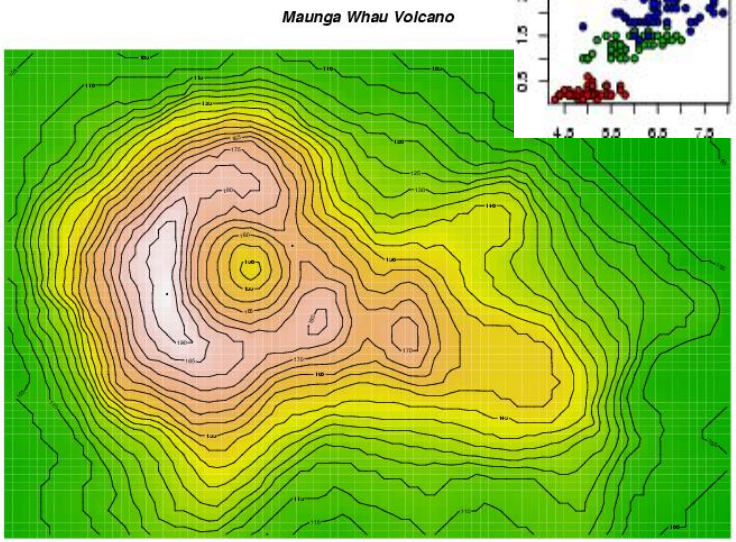


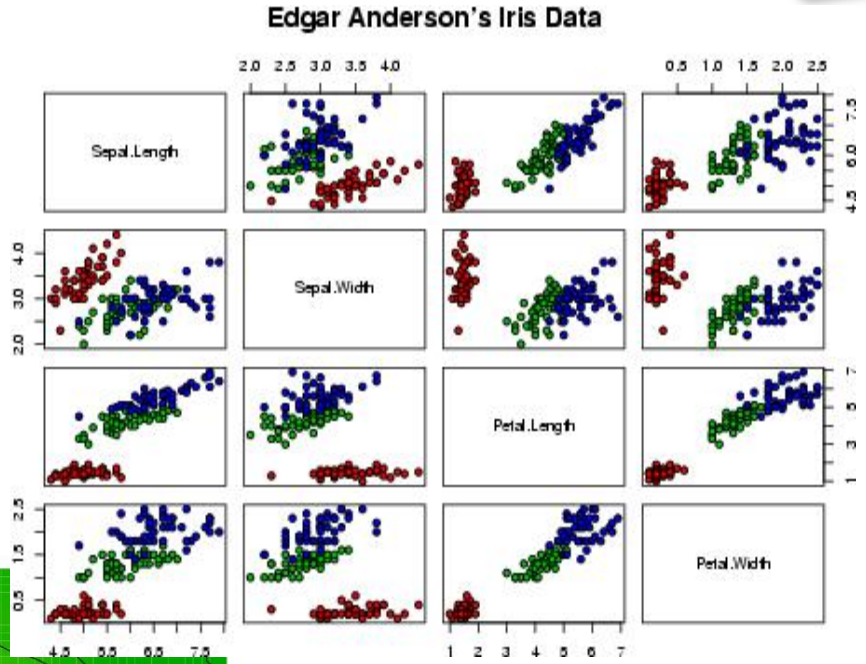
The R Project



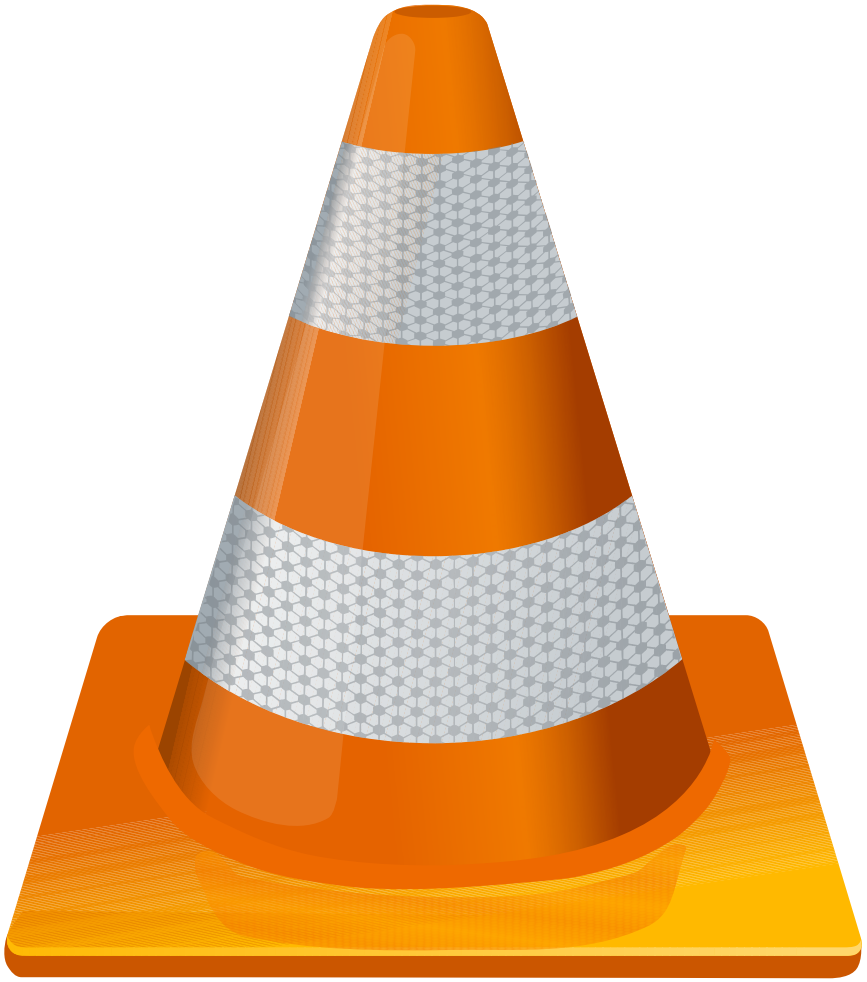
The R Project







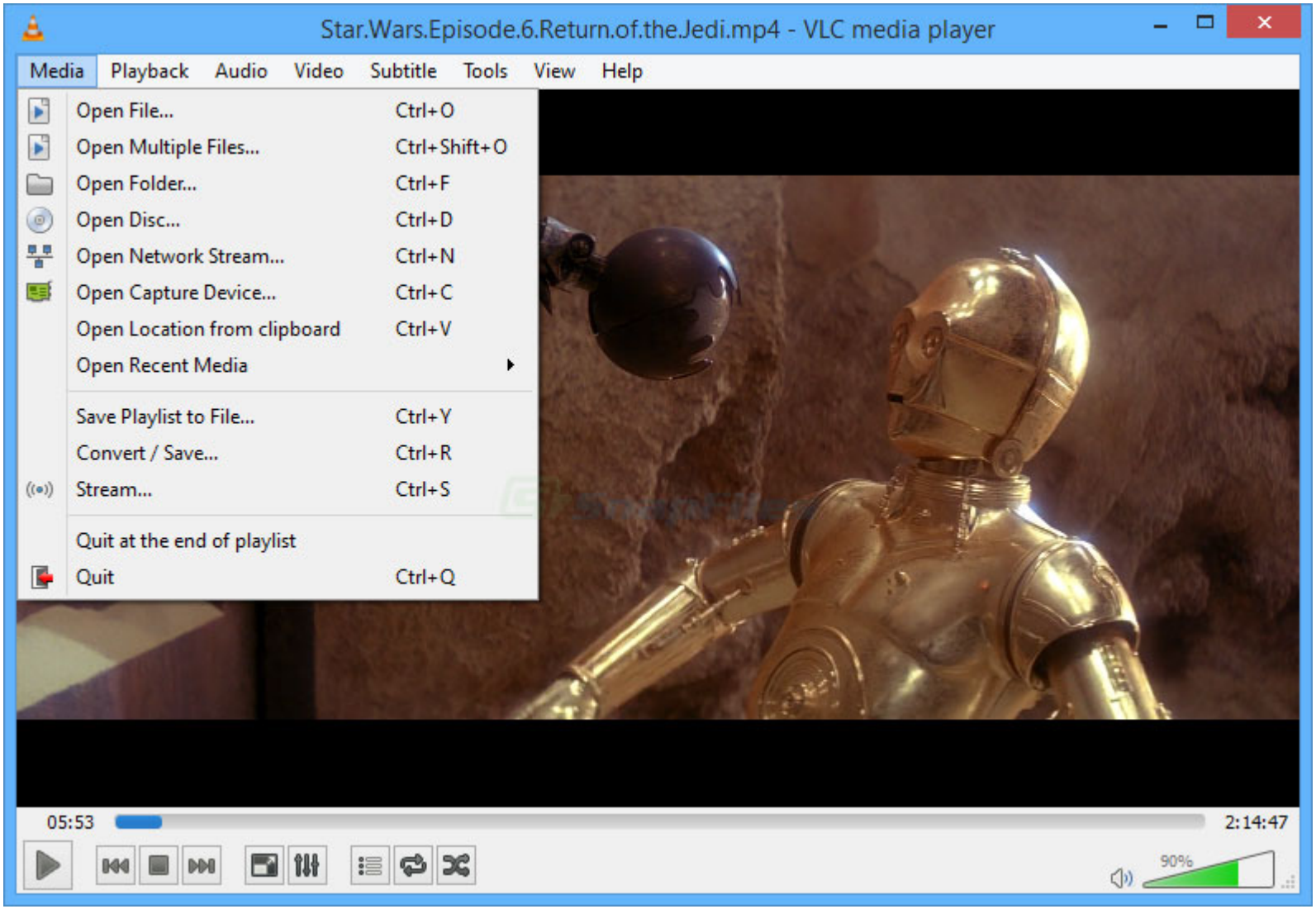
VLC



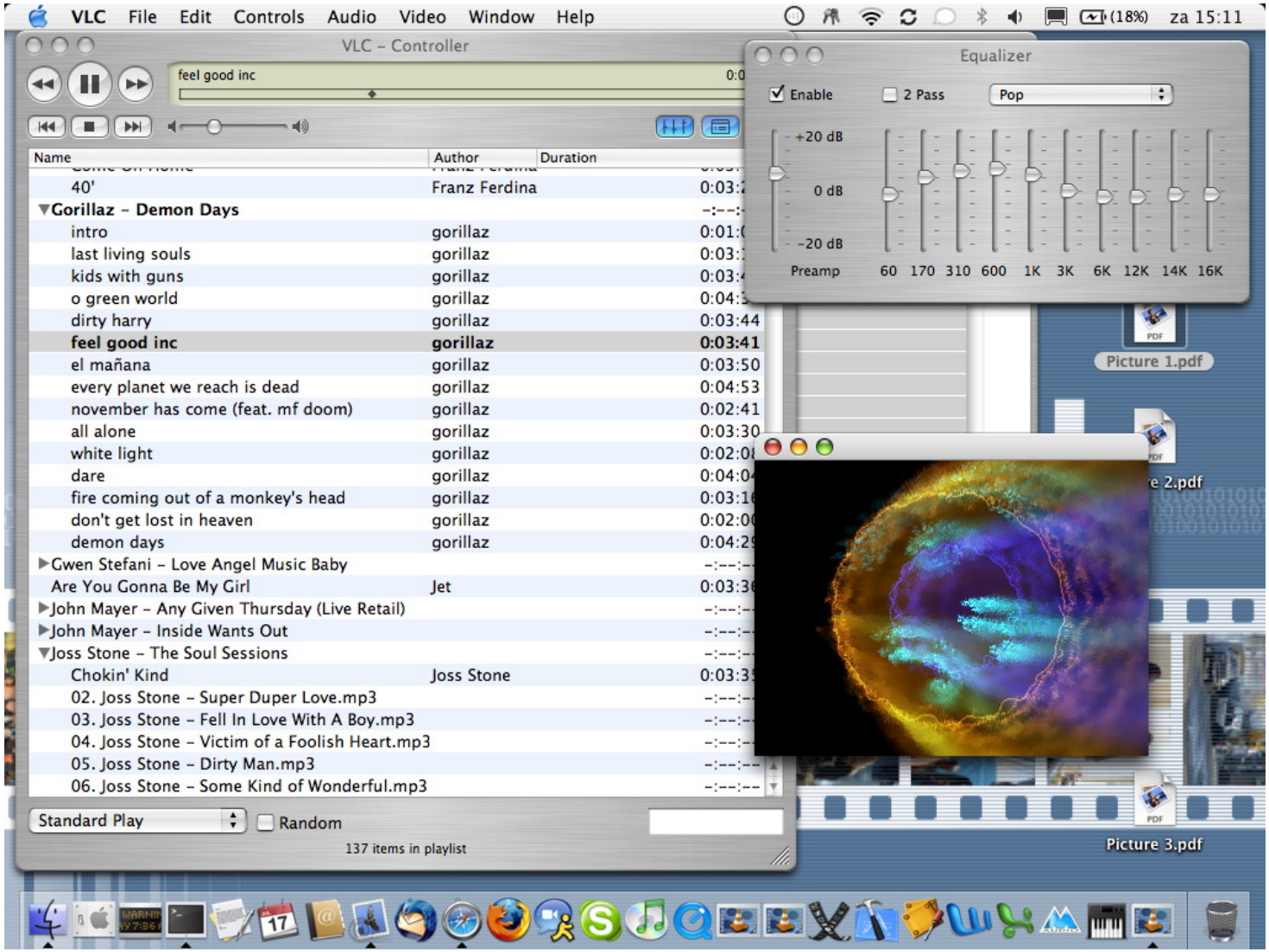
VLC

- https://www.videolan.org/vlc/index.html
- Available for Windows, Apple, Linux, and more
- Cross-platform media player saved or streamed movies, music, and more
- Play nearly any type of media from any source in any format on any kind of hardware
- Lightweight, extremely powerful, and customizable

VLC


Star.Wars.Episode.6.Return.of.the.Jedi.mp4 - VLC media player
Media
Playback
Audio
Video
Subtitle
Tools
View
Help
Open File... Ctrl+O
Open Multiple Files... Ctrl+Shift+O
Open Folder... Ctrl+F
Open Disc... Ctrl+D
Open Network Stream... Ctrl+N
Open Capture Device... Ctrl+C
Open Location from clipboard Ctrl+V
Open Recent Media
Save Playlist to File... Ctrl+Y
Convert / Save... Ctrl+R
Stream... Ctrl+S
Quit at the end of playlist
Quit Ctrl+Q
05:53
2:14:47
90%

VLC


VLC File Edit Controls Audio Video Window Help
za 15:11
VLC – Controller
feel good inc
Name
Author
Duration
40' Franz Ferdina
Gorillaz – Demon Days
intro gorillaz
last living souls gorillaz
kids with guns gorillaz
o green world gorillaz
dirty harry gorillaz 0:03:44
feel good inc gorillaz 0:03:41
el mañana gorillaz 0:03:50
every planet we reach is dead gorillaz 0:04:53
november has come (feat. mf doom) gorillaz 0:02:41
all alone gorillaz 0:03:30
white light gorillaz
dare gorillaz
fire coming out of a monkey's head gorillaz
don't get lost in heaven gorillaz
demon days gorillaz
Gwen Stefani – Love Angel Music Baby
Are You Gonna Be My Girl Jet
John Mayer – Any Given Thursday (Live Retail)
John Mayer – Inside Wants Out
Joss Stone – The Soul Sessions
Chokin' Kind Joss Stone 0:03:3
02. Joss Stone – Super Duper Love.mp3
03. Joss Stone – Fell In Love With A Boy.mp3
04. Joss Stone – Victim of a Foolish Heart.mp3
05. Joss Stone – Dirty Man.mp3
06. Joss Stone – Some Kind of Wonderful.mp3
Standard Play
Random
137 items in playlist
Equalizer
Enable
2 Pass
Pop
+20 dB
0 dB
-20 dB
Preamp
60 170 310 600 1K 3K 6K 12K 14K 16K
Picture 1.pdf
Picture 3.pdf

Other FOSS Choices

- Thousands of other high-quality free software choices for every need and skill level
- F-Droid App Store for FOSS applications on your Android phone
- Owncloud or Nextcloud for cloud storage at home
- Wordpress, Jekyll, Pelican, and more for blogging or running your own website
- Pidgin for instant messaging across multiple platforms
- Taskwarrior to-do lists for console cowboys
- Audacity for audio editing
- GnuCash for managing your finances
- GIMP for advanced graphics editing and art
- Notepad++ for quick text or advanced programming
- Blender for advanced 3D rendering
- Calibre to manage your electronic book and text library
- Advanced professional typesetting and document creation with the LaTeX project

Switching to Linux

- Dozens of options for varieties of the Linux operating system
- Many specialty distributions
-

Major Linux Distributions

- Mint
- Debian
- Ubuntu
- Arch
- Fedora
- CentOS
- Manjaro
- OpenSuSE
- Gentoo
- https://distrowatch.com/search.php?origin=USA

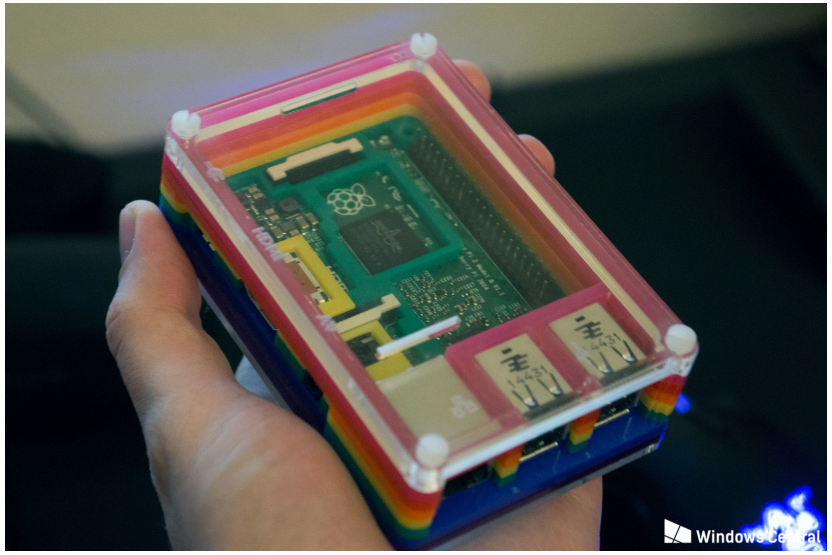
Specialty Linux Distros

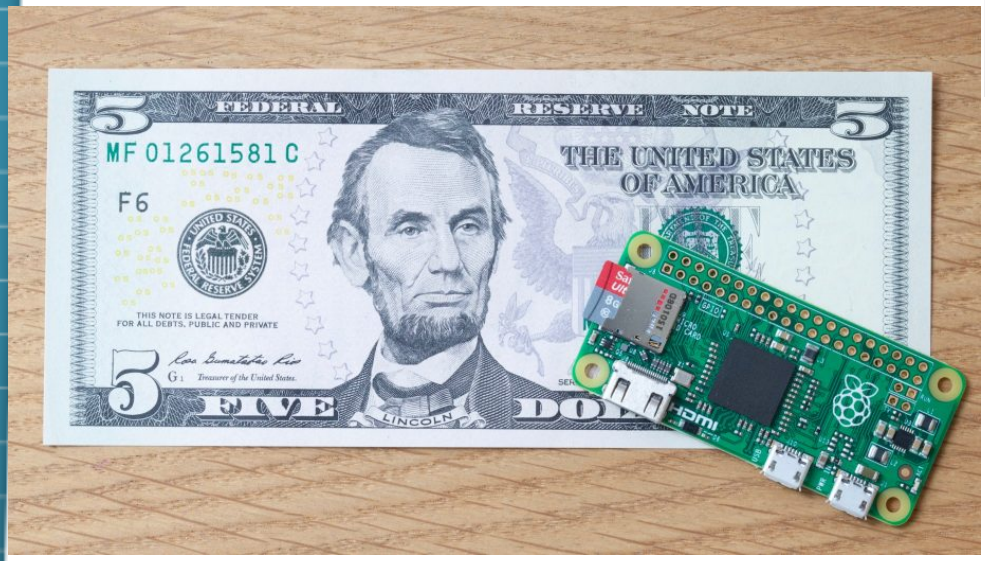
- PCLinuxOS to help transition from Windows
- Ubuntu Studio for video, music, and media editing
- Edubuntu for educational software needs
- Uberstudent for young students
- Neurodebian for neuroscientists
- Scientific Linux for every kind of science
- Lubuntu for efficiency and on older machines
- MuLinux for extreme minimalist installs
- Raspbian for Raspberry Pi minicomputers
- Tails for extreme privacy
- Qubes for extreme security precautions
- GnewSense for Free Software purists
- Ubuntu Christian for the heavenly bodies
- Ubuntu Satanic for the devilishly inclined
- Bodhi Linux for the middle path between efficiency and beauty

Linux Hardware

- https://system76.com/
- https://puri.sm/
- https://www.dell.com/

Linux Hardware





More Links

- https://f-droid.org/en/
- https://owncloud.org/
- https://nextcloud.com/
- https://wordpress.org/
- https://jekyllrb.com/
- https://blog.getpelican.com/
- https://www.pidgin.im/
- https://taskwarrior.org/
- https://www.gnucash.org/
- https://www.gimp.org
- http://notepad-plus.sourceforge.net/
- http://www.blender.org/
- http://calibre-ebook.com/
- https://www.latex-project.org/

More Links

- http://www.ubuntu.com
- http://www.redhat.com
- http://www.linuxmint.com
- http://www.raspberrypi.org
- https://alternativeto.net/
- https://opensource.org/
- https://www.linux.org/
- https://opensource.com/
-

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