

virtualbox.org

Login Preferences search...



VirtualBox

Welcome to VirtualBox.org!

VirtualBox is a powerful x86 and AMD64/Intel64 [virtualization](#) product for enterprise as well as home use. Not only is VirtualBox an extremely feature rich, high performance product for enterprise customers, it is also the only professional solution that is freely available as Open Source Software under the terms of the GNU General Public License (GPL) version 2. See "[About VirtualBox](#)" for an introduction.

Presently, VirtualBox runs on Windows, Linux, Macintosh, and Solaris hosts and supports a large number of [guest operating systems](#) including but not limited to Windows (NT 4.0, 2000, XP, Server 2003, Vista, Windows 7, Windows 8, Windows 10), DOS/Windows 3.x, Linux (2.4, 2.6, 3.x and 4.x), Solaris and OpenSolaris, OS/2, and OpenBSD.

VirtualBox is being actively developed with frequent releases and has an ever growing list of features, supported guest operating systems and platforms it runs on. VirtualBox is a community effort backed by a dedicated company: everyone is encouraged to contribute while Oracle ensures the product always meets professional quality criteria.

Download VirtualBox 6.0

Hot picks:

- Pre-built virtual machines for developers at [Oracle Tech Network](#)
- Hyperbox** Open-source Virtual Infrastructure Manager [project site](#)
- phpVirtualBox** AJAX web interface [project site](#)

Download and install VirtualBox just google it

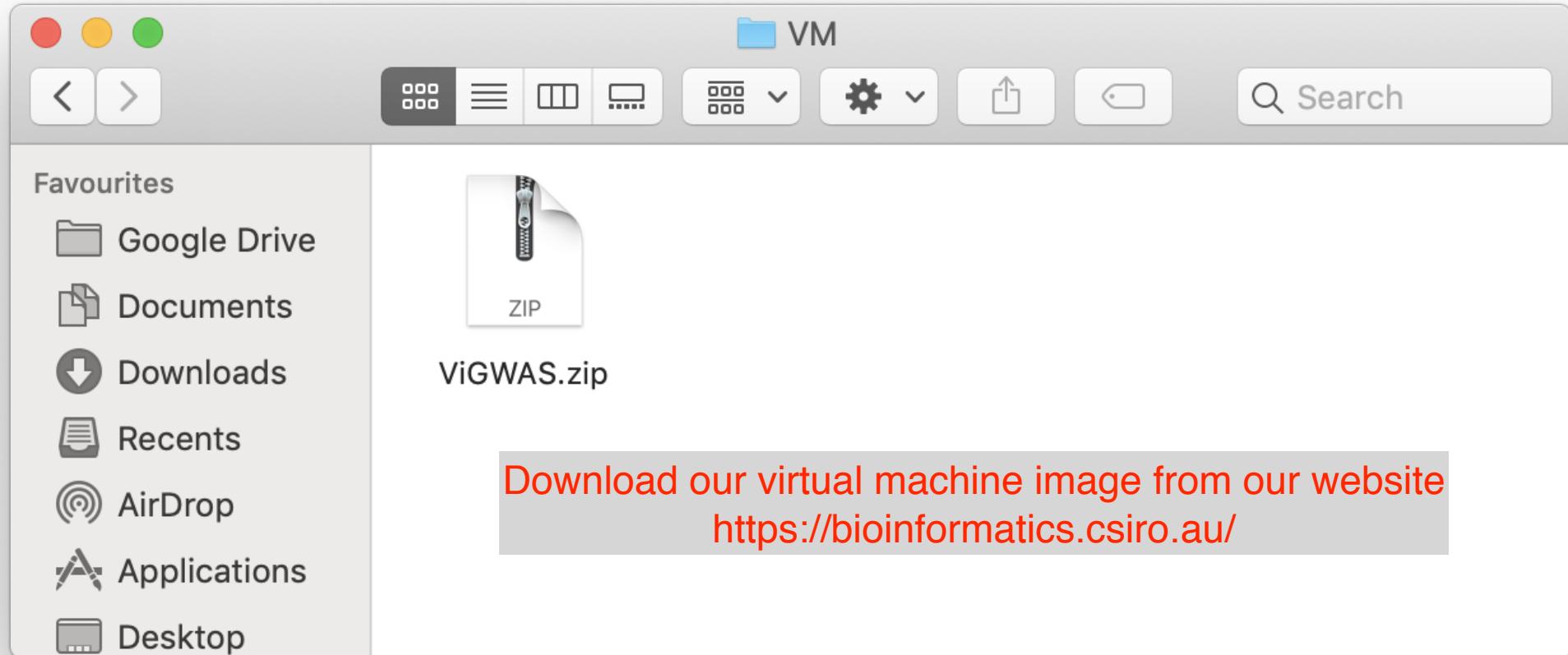
News Flash

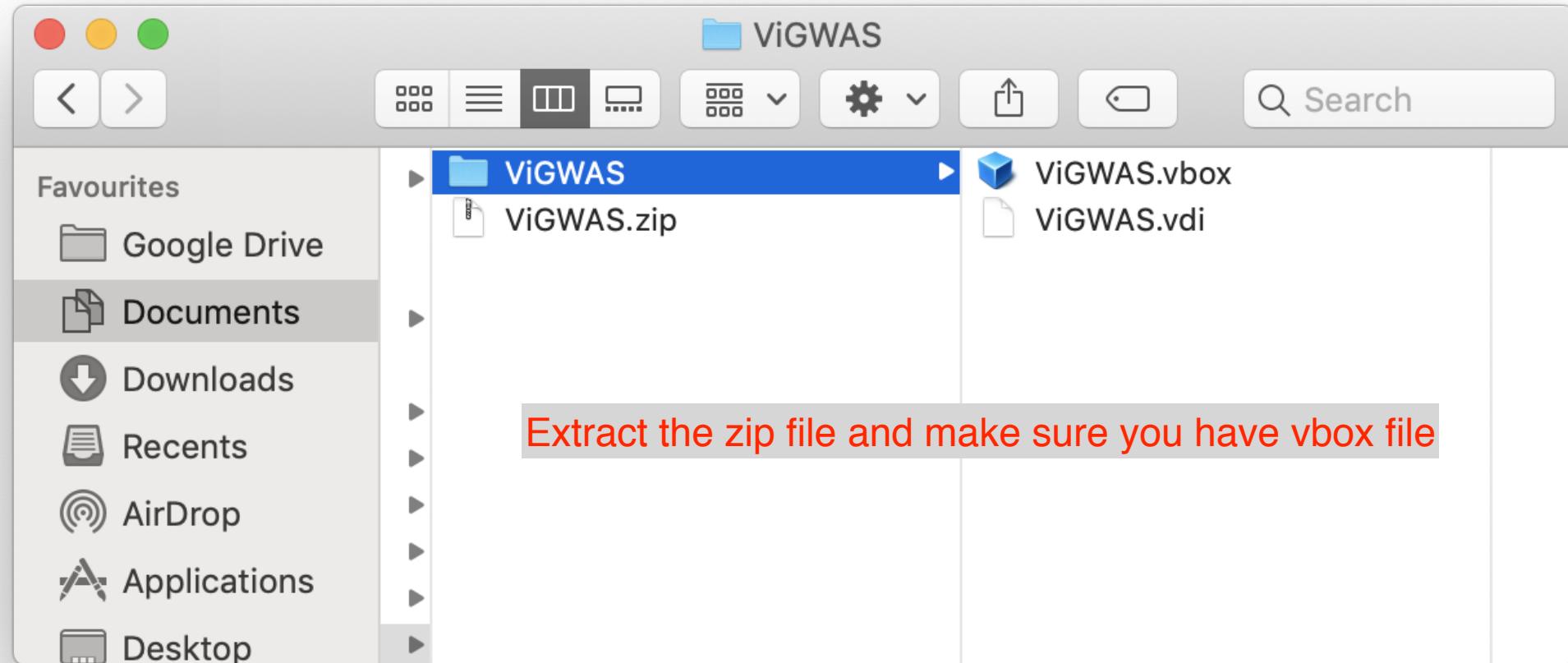
- New January 28th, 2019**
VirtualBox 6.0.4 released!
Oracle today released a 6.0 maintenance release which improves stability and fixes regressions. See the [Changelog](#) for details.
- New January 28th, 2019**
VirtualBox 5.2.26 released!
Oracle today released a 5.2 maintenance release which improves stability and fixes regressions. See the [Changelog](#) for details.
- New December 18th, 2018**
VirtualBox 6.0 released!
Oracle today shipped a new major release, VirtualBox 6.0. See the [Changelog](#) for details.

[More information...](#)

ORACLE

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Oracle VM VirtualBox Manager

Tools

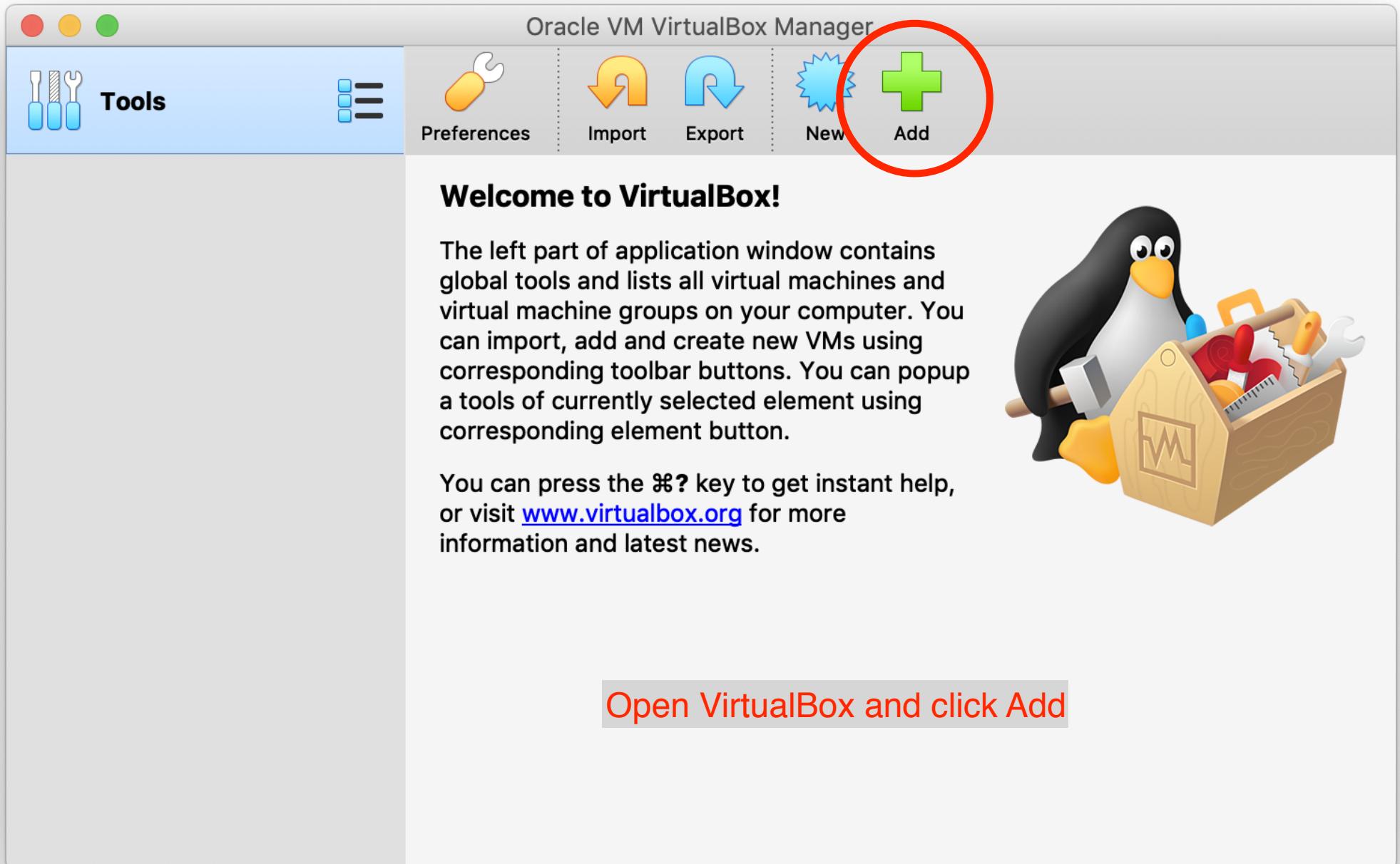
Preferences Import Export New Add

Welcome to VirtualBox!

The left part of application window contains global tools and lists all virtual machines and virtual machine groups on your computer. You can import, add and create new VMs using corresponding toolbar buttons. You can popup a tools of currently selected element using corresponding element button.

You can press the **⌘?** key to get instant help, or visit www.virtualbox.org for more information and latest news.

Open VirtualBox and click Add



Oracle VM VirtualBox Manager

Favorites

- Google Drive
- Documents
- Downloads
- Recents
- Applications
- Desktop
- ShareData
- Research
- Video

iCloud

- iCloud Drive

Locations

- bayat-ri

ViGWAS

ViGWAS.vbox

ViGWAS.vdi

Open ViGWAS.vbox that you download and extract

New Folder

Cancel

Open

Oracle VM VirtualBox Manager

 Tools

 New  Settings  Discard  Start

 ViGWAS  Powered Off

 Storage

Controller: IDE
IDE Secondary Master: [Optical Drive] Empty

Controller: SATA
SATA Port 0: ViGWAS.vdi (Normal, 100.00 GB)

 Audio

Host Driver: CoreAudio
Controller: ICH AC97

 Network

Adapter 1: Intel PRO/1000 MT Desktop (NAT)

 USB

USB Controller: OHCI
Device Filters: 0 (0 active)

 Shared folders

None

 Description

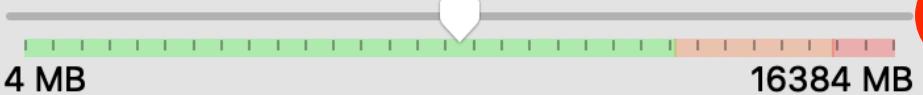
username: ubuntu

Click Setting

ViGWAS - System

General System Display Storage Audio Network Ports Shared Folders User Interface

Motherboard Processor Acceleration

Base Memory:  8192 MB

Boot Order:

<input checked="" type="checkbox"/>	Floppy
<input checked="" type="checkbox"/>	Optical
<input checked="" type="checkbox"/>	Hard Disk
<input type="checkbox"/>	Network

Chipset: PII33

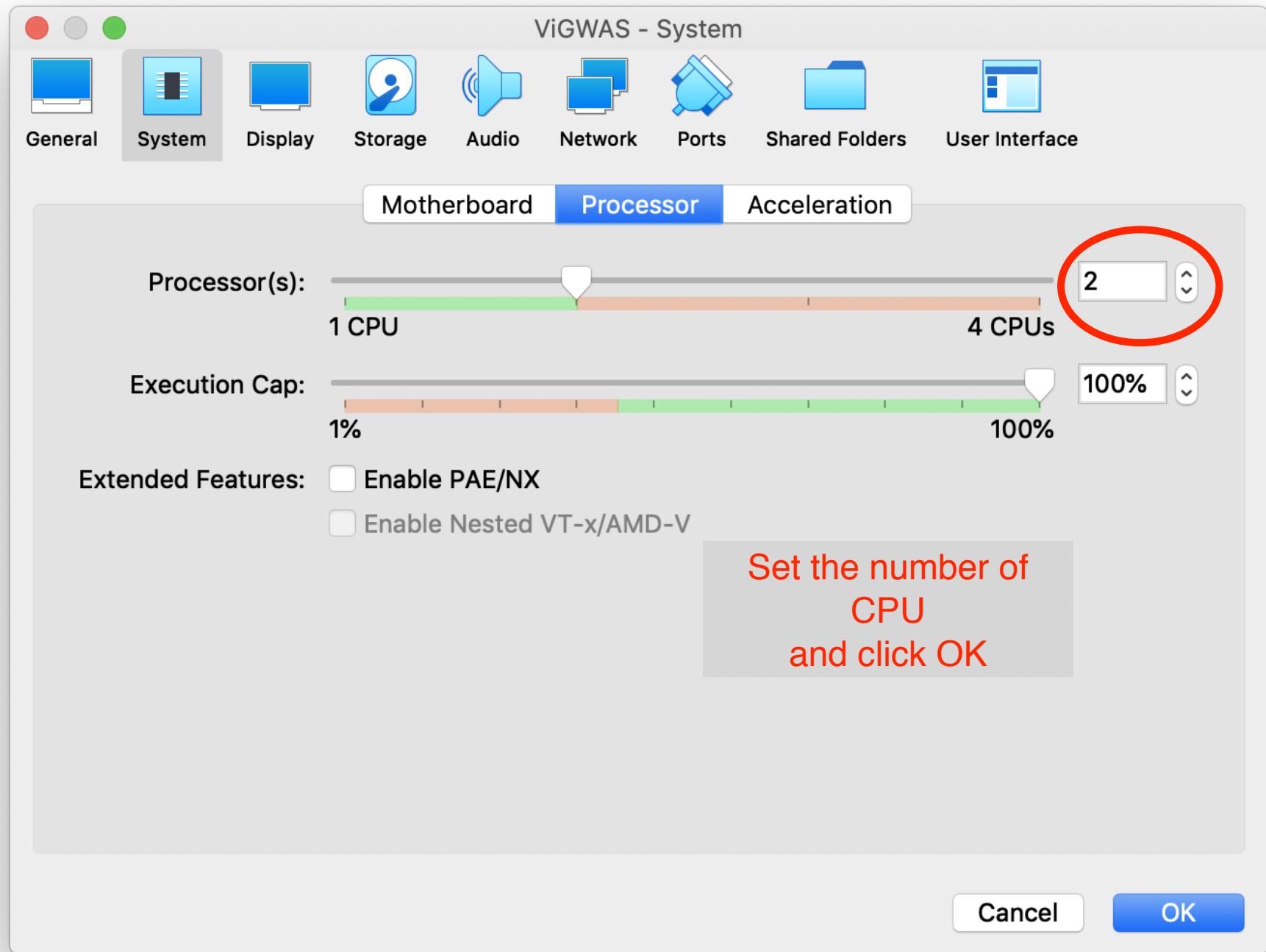
Pointing Device: USB Tablet

Extended Features:

- Enable I/O APIC
- Enable EFI (special OSes only)
- Hardware Clock in UTC Time

Set the memory for the virtual machine
8GB is recommended

Cancel OK



Oracle VM VirtualBox Manager

Tools

New Settings Discard Start

 **ViGWAS**  Powered Off

Storage

Controller: IDE
IDE Secondary Master: [Optical Drive] Empty

Controller: SATA
SATA Port 0: ViGWAS.vdi (Normal, 100.00 GB)

Audio

Host Driver: CoreAudio Click start to run the virtual Machine

Controller: ICH AC97

Network

Adapter 1: Intel PRO/1000 MT Desktop (NAT)

USB

USB Controller: OHCI
Device Filters: 0 (0 active)

Shared folders

None

Description

username: ubuntu



Rubbish Bin



```
ubuntu@ubuntu-VirtualBox:~$ jupyter notebook --no-browser --port=8888 --NotebookApp.token='' --notebook-dir=~/ViGWAS
[I 17:23:14.782 NotebookApp] Writing notebook server cookie secret to /run/user/1000/jupyter/notebook_cookie_secret
[W 17:23:15.260 NotebookApp] All authentication is disabled. Anyone who can connect to this server will be able to run code.
[I 17:23:15.273 NotebookApp] Serving notebooks from local directory: /home/ubuntu/ViGWAS
[I 17:23:15.273 NotebookApp] The Jupyter Notebook is running at:
[I 17:23:15.273 NotebookApp] http://localhost:8888/
[I 17:23:15.273 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
```

This is a virtual machine.
Open a terminal and run the jupyter notebook

Activities

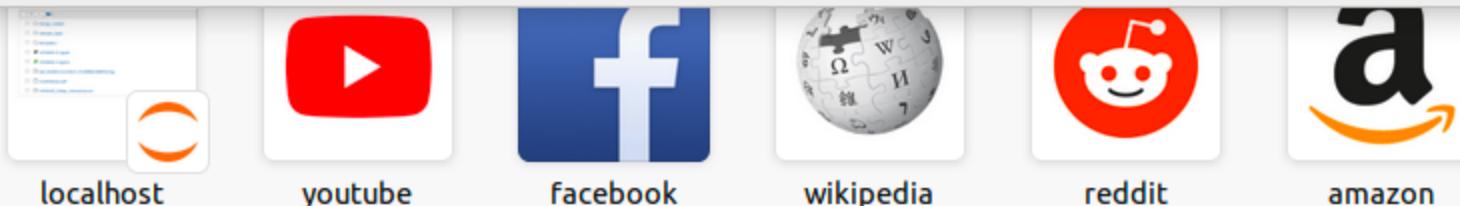
Firefox Web Browser



localhost:8888

- http://localhost:8888/ — Visit
- Home — localhost:8888/tree?
- ViGWAS-V — localhost:8888/notebooks/ViGWAS-V.ipynb
- ViGWAS-S — localhost:8888/notebooks/ViGWAS-S.ipynb

Search for localhost:8888 with:

[G](#) [B](#) [a](#) [eBay](#) [Twitter](#) [W](#)

HIGHLIGHTS



MOZILLA

Welcome to Firefox

Firefox is non-profit, non-

Open the browser and enter the address



Activities Firefox Web Browser ▾

ViGWAS [Running] Wed 17:23

Home - Mozilla Firefox

Home x +

localhost:8888/tree?

jupyter

Files Running Clusters

Select items to perform actions on them.

Upload New ↗

	Name	Last Modified	File size
<input type="checkbox"/>	0		
<input type="checkbox"/>	merge_variant	an hour ago	
<input type="checkbox"/>	sample_input	2 hours ago	
<input type="checkbox"/>	templates	a day ago	
<input type="checkbox"/>	ViGWAS-S.ipynb	3 hours ago	49.6 kB
<input type="checkbox"/>	ViGWAS-V.ipynb	an hour ago	76.9 kB
<input type="checkbox"/>	UserManual.pdf	6 hours ago	560 kB
<input type="checkbox"/>	ViGWAS_Setup_Instruction.sh	3 hours ago	2.35 kB

click on one of these example notebook.
As you see “merge_variant” folder is there that is the output for ViGWAS-V.
If you want to run this notebook without change it.
You should first select and delete “merge_variant” directory

Left ☰

Activities Firefox Web Browser ▾

ViGWAS [Running] Wed 17:24

ViGWAS-S - Mozilla Firefox

Home ViGWAS-S

localhost:8888/notebooks/ViGWAS-S.ipynb

jupyter ViGWAS-S (autosaved)

File Edit View Insert Cell Kernel Help

Not Trusted Python 3

Open menu

carfully modify user block section for your need. If you want to run the example just leave it as is.

If you want to work with your own data file you can drag and drop them into the virtual machine.

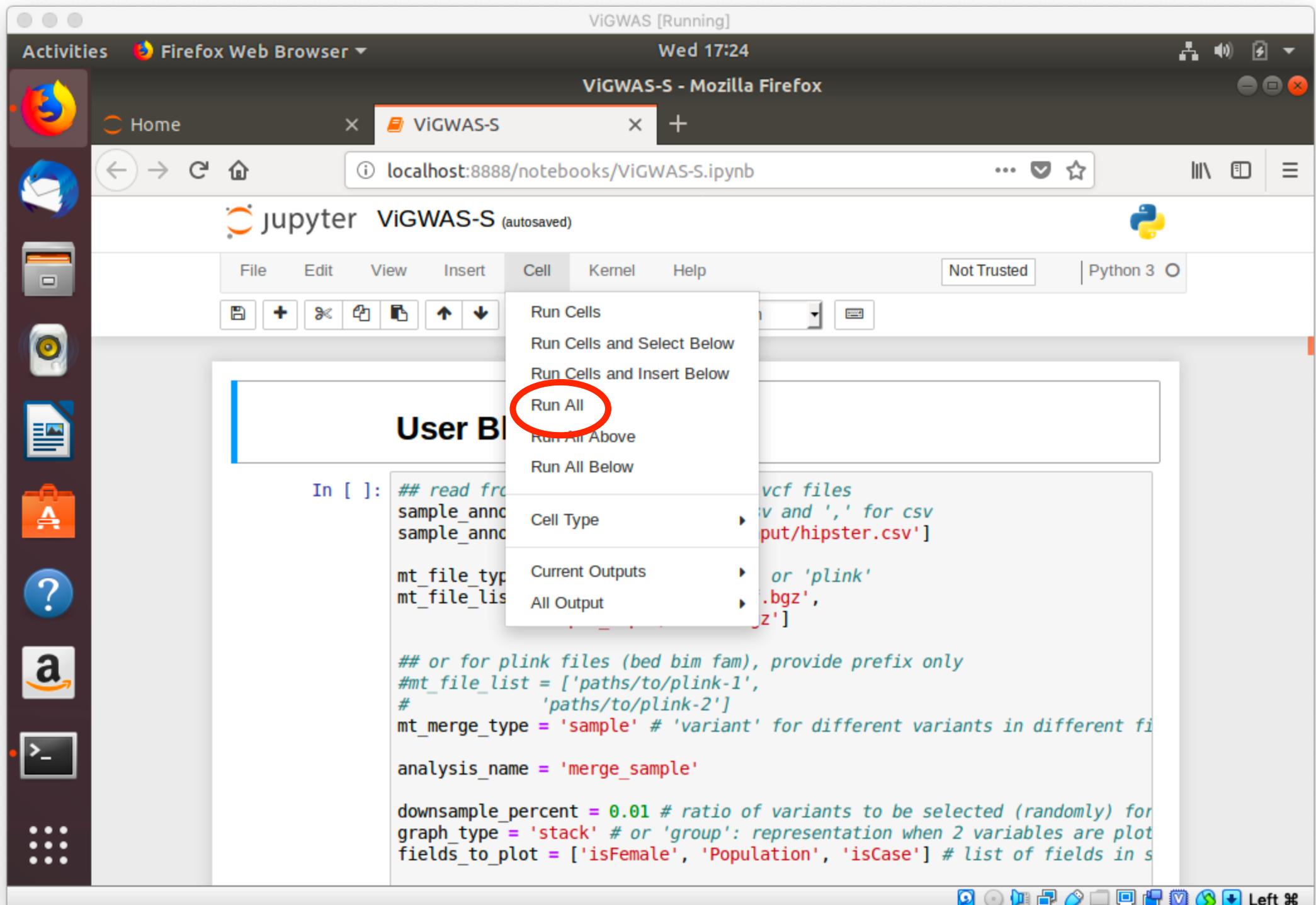
User Block

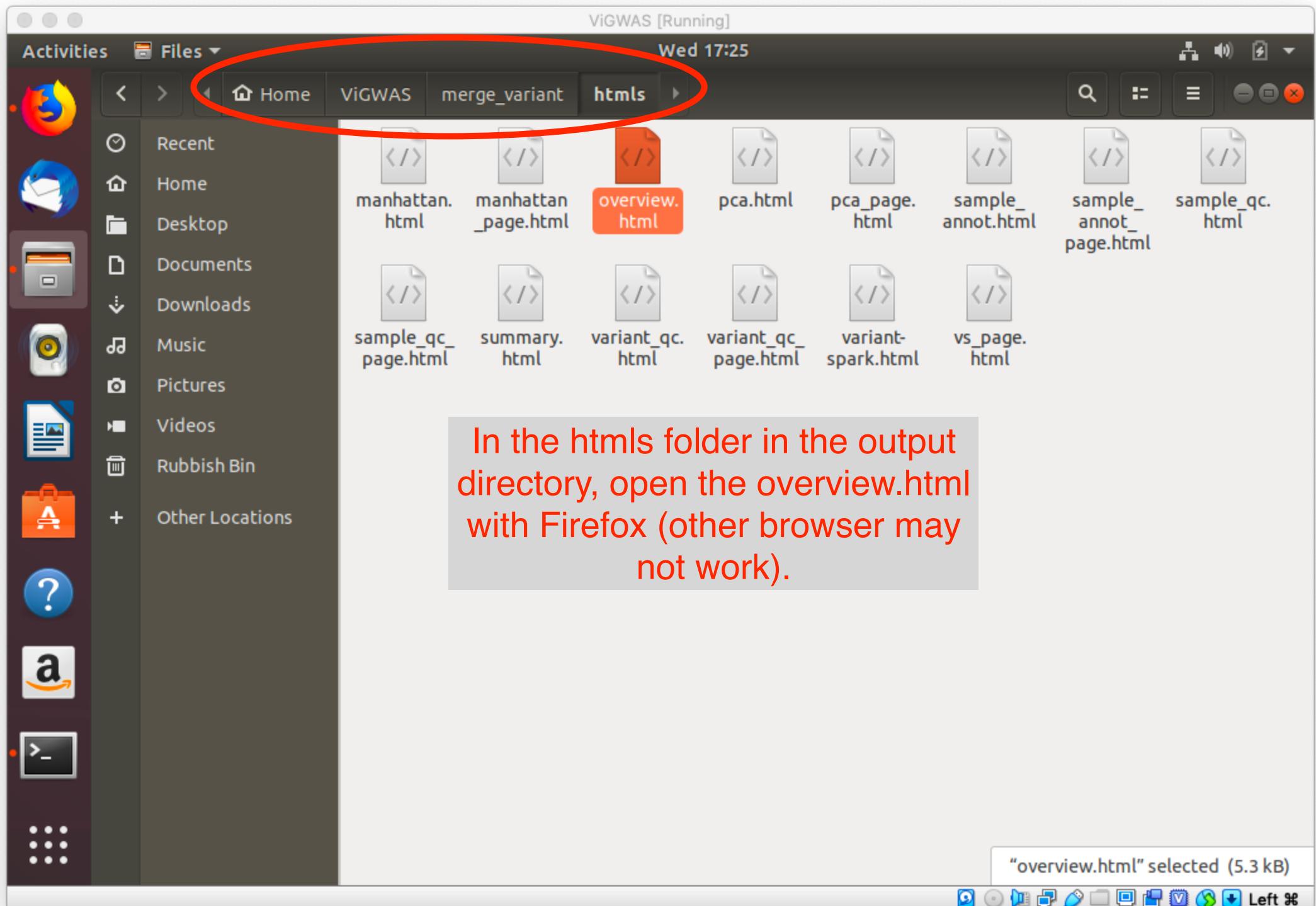
```
## read from sample annotations and vcf files
sample_annot_deli = ',' #'t' for tsv and ',' for csv
sample_annot_file_list = ['sample_input/hipster.csv']

mt_file_type = 'vcf' # support 'vcf' or 'plink'
mt_file_list = ['sample_input/S1.vcf.bgz',
                 'sample_input/S2.vcf.bgz']

## or for plink files (bed bim fam), provide prefix only
#mt_file_list = ['paths/to/plink-1',
#                 'paths/to/plink-2']
mt_merge_type = 'sample' # 'variant' for different variants in different fi
analysis_name = 'merge_sample'

downsample_percent = 0.01 # ratio of variants to be selected (randomly) for
graph_type = 'stack' # or 'group': representation when 2 variables are plot
fields_to_plot = ['isFemale', 'Population', 'isCase'] # list of fields in s
```







Home

ViGWAS-S

Get to know your Genomic



file:///home/ubuntu/ViGWAS/merge_variant/htmls/manhattan_page.html

Logo

Overview

Sample Annotations

Variant QC

Sample QC

PCA

Logistic Regression

Variant-Spark

Logistic Regression

wald Distributions

score Distributions

lrt Distributions

Logistic Regression

Manhattan Plots of p-values from Logistic Regressions(3 methods)

Enjoy the results

Manhattan plot (wald)

