

# Neural Networks Learning

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# Introduction

This Booklet shows you how to install the dependencies that are required for the UNF ARIO Workshop that is regarded on Neural Networks Learning. The recommendations and dependencies are displayed on the next page. You can also use the “installation.sh” file that is provided in the Neural-Networks-Learning repository to auto install the dependencies that are required for the workshop.

# Dependencies

The dependencies that are going to be used are listed here. The installation commands for the dependencies are listed on the next page.

- Manjaro Linux
  - <https://manjaro.org/downloads/official/gnome/>
  - <https://manjaro.org/>
- Jupyter Notebook
  - <https://jupyter.org/>
- Git
  - <https://git-scm.com/>

# Installation Commands - Dependencies

The Installation Commands for the Dependencies are listed here:

- `sudo pacman -S git`
  - Description: This command gets a computer device to install git.
- `jupyter-lab`
  - Description: This command gets a computer device to install jupyter lab. Once you enter this command, “jupyterlab” it will prompt “The application jupyter lab is not installed. It may be found in the following packages... Do you want to Install package jupyterlab?”. Type “y” and press enter. Then the prompt will say this: “Choose optional dependencies for jupyterlab”. Press “1” to install “npm: to install extensions”. Then enter your password to authenticate pamac package manager to install dependencies and packages that are hosted from pamac. Then you should see this prompt “Apply transaction ? [y/N]” press y, then press enter.
- `sudo reboot`
  - Description: This command gets a computer device to restart. This is recommended in order to make the dependencies function smoothly.

# How to start Jupyter Notebook

## Introduction

In this section, we are going to show you how to start up Jupyter Notebook and how to shutdown Jupyter Notebook properly.

## Starting up

Type “jupyterlab” in the terminal. This command will open a web browser that has been defaulted.

## Stopping

On your keyboard, press CTRL + C. Then the prompt will say “Shutdown this notebook server (y/[n])?”, press y and press enter.

# Resources

<https://jupyter.org/install>

<https://manjaro.org/downloads/official/gnome/>

<https://manjaro.org/>

<https://jupyter.org/>

<https://git-scm.com/>