

# Install Instruções

March 19, 2018

## 1 Install Instructions

### 1.1 Install Firefox

```
$ sudo apt-get install firefox
```

### 1.2 Install pip

```
$ wget https://bootstrap.pypa.io/get-pip.py
$ sudo python3 get-pip.py
```

### 1.3 Install virtualenvwrapper

```
$ sudo pip3 install virtualenv virtualenvwrapper
$ export VIRTUALENVWRAPPER_PYTHON=/usr/bin/python3
$ export WORKON_HOME=$HOME/.virtualenvs
$ source /usr/local/bin/virtualenvwrapper.sh
$ source ~/.bashrc
```

### 1.4 Create a new virtualenv labeled as pypereira

```
$ mkvirtualenv -p python3 pypereira
$ workon pypereira
```

### 1.5 Install dependencies

```
$ sudo apt-get install --no-install-recommends --no-install-suggests -y python-dev libtbb2 libtbb
$ pip install numpy
$ pip install opencv-contrib-python
$ pip install selenium
$ pip install requests
$ pip install imutils
$ pip install jupyter
$ pip install matplotlib
```

## 1.6 Install geckodriver

```
$ cd ~
$ mkdir pypereira
$ cd pypereira
$ wget https://github.com/mozilla/geckodriver/releases/download/v0.19.1/geckodriver-v0.19.1-linux64.tar.gz
$ tar -xvf geckodriver-v0.19.1-linux64.tar.gz
$ chmod +x geckodriver
$ sudo mv geckodriver /usr/local/bin/
$ sudo apt-get install --no-install-recommends --no-install-suggests -y xvfb
```

## 2 Test your environment and library installation

Go to the pypereir folder

```
$ cd ~
$ cd pypereira
```

```
In [2]: # Test your openCV version
import cv2
```

```
cv2.__version__ # Prints the opencv version, it should be greater than 3.3
```

```
Out[2]: '3.4.0'
```

```
In [4]: # Test your selenium installation
from selenium import webdriver
```

```
browser = webdriver.Firefox() # creates a webdriver Firefox instance
browser.get("http://www.google.com") # makes a get to google
```

Create a new folder to store a screenshot of the website

```
$ mkdir screenshots
```

```
In [5]: # Save a screenshot inside your folder
```

```
browser.save_screenshot("screenshots/screenshot.png")
```

```
Out[5]: True
```

you should have saved inside your folder a new screenshot:

```
In [6]: # Close your actual browser
```

```
browser.quit()
```

## 3 Finished

Congrats!!! you have installed all the libraries for the workshop, welcome!!!