Setup Selenium Web Driver for Google Chrome, Firefox, Microsoft Edge to run locally

Google Chrome

[Install Google Chrome](https://www.google.com/chrome/dr/download/?brand=JSBI&geo=US&gclid=EAIaIQobChMI56zU0oqlgQMVOy2zAB2iVgL9EAAYASAAEgK4Z_D_BwE&gclsrc=aw.ds)

[Download Chrome Webdriver](https://www.google.com/chrome/dr/download/?brand=JSBI&geo=US&gclid=EAIaIQobChMI56zU0oqlgQMVOy2zAB2iVgL9EAAYASAAEgK4Z_D_BwE&gclsrc=aw.ds). Version of chromedriver installed must match the version of Chrome you have installed.

Save path where ‘chromedriver.exe’ is located. Ex: C:\Users\jrg363\_rs\Downloads\chromedriver

[Install Anaconda](https://www.anaconda.com/download) for Jupyter notebook

Install selenium and pandas python libraries

Use jupyter notebook commands below to initiate and launch chromedriver. Use path where ‘chromedriver.exe’ is located.

import sys

#Below you must set path to where webdriver is installed. This path will be different for you.

sys.path.insert(0,'C:\\Users\\jrg363\_rs\\Downloads\\chromedriver')

#Make sure to install all packages.

from selenium import webdriver

from selenium.webdriver.chrome.options import Options

from selenium.webdriver.support.ui import WebDriverWait

from selenium.webdriver.support import expected\_conditions as EC

from selenium.webdriver.common.by import By

import re

import pandas as pd

import time

chrome\_options = webdriver.ChromeOptions()

#Below is url to scrape

#Launch webdriver

driver = webdriver.Chrome(options=chrome\_options)

driver.get('https://bing.com')

element = driver.find\_element(By.ID, 'sb\_form\_q')

element.send\_keys('WebDriver')

element.submit()

time.sleep(5)

driver.quit()

#Helpful Instructions for setup

#https://chromedriver.chromium.org/getting-started

Microsoft Edge

[Install Microsoft Edge](https://www.microsoft.com/en-us/edge/download?form=MM1466&exp=e543).

Check Edge version installed [here](edge://settings/help). Input following URL into edge browser tab.

edge://settings/help

Download Microsft Edge Driver [here.](https://developer.microsoft.com/en-us/microsoft-edge/tools/webdriver/) Version of driver must match version of browser installed. [All released versions.](https://msedgewebdriverstorage.z22.web.core.windows.net/?prefix=114.0.1823.58/)

Save path where ‘msedgedriver.exe’ is located. Ex: C:\Users\jrg363\_rs\Downloads\edgedriver\_win64

[Install Anaconda](https://www.anaconda.com/download) for Jupyter notebook

Install selenium and pandas python libraries

Use jupyter notebook commands below to initiate and launch edgedriver. Use path where ‘msedgedriver.exe’ is located.

import sys

#Below you must set path to where webdriver is installed. This path will be different for you.

sys.path.insert(0,'C:\\Users\\jrg363\_rs\\Downloads\\edgedriver\_win64')

from selenium import webdriver

from selenium.webdriver.common.by import By

import time

driver = webdriver.Edge()

driver.get('https://bing.com')

element = driver.find\_element(By.ID, 'sb\_form\_q')

element.send\_keys('WebDriver')

element.submit()

time.sleep(5)

driver.quit()

#Helpful Instructions for setup

#https://learn.microsoft.com/en-us/microsoft-edge/webdriver-chromium/?tabs=c-sharp

Firefox

[Install Firefox](https://www.mozilla.org/en-US/firefox/new/)

Download Firefox driver ‘geckodriver’ [here](https://github.com/mozilla/geckodriver/releases).

Save path where ‘geckodriver.exe’ is located. Ex: C:\Users\jrg363\_rs\Downloads\geckodriver

[Install Anaconda](https://www.anaconda.com/download) for Jupyter notebook

Install selenium and pandas python libraries

Use jupyter notebook commands below to initiate and launch geckodriver Firefox. Use path where ‘geckodriver.exe’ is located.

import sys

#Below you must set path to where webdriver is installed. This path will be different for you.

sys.path.insert(0,'C:\\Users\\jrg363\_rs\\Downloads\\geckodriver-v0.33.0-win64')

from selenium import webdriver

from selenium.webdriver.common.by import By

import time

driver = webdriver.Firefox()

driver.get('https://bing.com')

element = driver.find\_element(By.ID, 'sb\_form\_q')

element.send\_keys('WebDriver')

element.submit()

time.sleep(5)

driver.quit()

#Helpful Instructions for setup

# https://www.browserstack.com/guide/run-selenium-tests-using-firefox-driver