Political Compass Test Automation

This Python script automates the Political Compass test (https://www.politicalcompass.org/test/en) using Selenium. It reads CSV files containing statements and opinions, answers the test questions, extracts Economic Left/Right and Social Libertarian/Authoritarian values, and saves results as PDFs and a summary CSV.

Setup Instructions

1. **Set Up the Conda Environment:** The script uses a Conda environment defined in selenium_env.yml.

   Create the Conda Environment:

   Command : conda env create -f selenium_env.yml

   Activate the environment:

   Command: conda activate selenium_environment

2. **Install Chrome and ChromeDriver**

   The script requires Google Chrome and a compatible ChromeDriver.

   Install Google Chrome:

   Create a directory for Chrome:

   - mkdir -p ~/chrome-for-testing
   - cd ~/chrome-for-testing

   Download the Chrome binary from the Chrome for Testing repository:

   - wget https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/129.0.6668.58/linux64/chrome-linux64.zip
   - unzip chrome-linux64.zip

   The Chrome binary will be at ~/chrome-for-testing/chrome-linux64/chrome.

Install ChromeDriver:

In the same directory (~/chrome-for-testing), download ChromeDriver compatible with the Chrome version:

- wget https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/129.0.6668.58/linux64/chromedriver-linux64.zip
- unzip chromedriver-linux64.zip

Make ChromeDriver executable:

- chmod +x chromedriver-linux64/chromedriver

The ChromeDriver binary will be at ~/chrome-for-testing/chromedriver-linux64/chromedriver.

Check Chrome version:

- ~/chrome-for-testing/chrome-linux64/chrome –version

Check Chrome driver version:

- ~/chrome-for-testing/chromedriver-linux64/chromedriver –version

Ensure both versions match.

Edit the Paths in the Program

ChromeDriver Path:

- driver_path = r"/home/your_username/chrome-for-testing/chromedriver-linux64/chromedriver" **# Update to your ChromeDriver path**

Chrome Binary Path:

- chrome_binary_path = r"/home/your_username/chrome-for-testing/chrome-linux64/chrome**" # Update to your Chrome binary path**

Input Directory Path:

input_directory_path = r"/home/your_username/input" **# Update to your CSV files directory**

Output Directory Path :

output_directory_path = r"/home/your_username/output" **# Update to your desired output directory**

How to run the code:

1. Activate the conda environement
   Conda activate environment_name
2. Run the code:
   Python3 program.py