Web-based Visualization for UN Web Scraping Project

This application is a web-based visualization for the data visualizatio among the WORKANA dataset created by web scraping team.

Web pages are written in **JavaScript**, **HTML**, and **LESS**. The application is embedded in a backend server application written in **Python-Flask**

Run the application

1. Make sure your version of Python is in 3.7 or above.

2. Install required Python libraries:

Windows User:

Make sure **Python is in your environment variables**, then use the **Command Prompt (CMD)** application with **Administrator Permission** to run the following command (without the '$' sign):

```
$ pip3 install flask pandas numpy seaborn scipy matplotlib
```

macOS User:

Make sure **Python 3.7 or above is installed**, then use the **Terminal** application to run the following command (without the '$' sign):

```
$ pip3 install flask pandas numpy seaborn scipy matplotlib
```

3. Start-up the application: Run the following command to execute the web application:

```
$ python3 ./server.py
```

4. Open up a browser to see the result: Open a browser and input the following URL to it for showing the result:
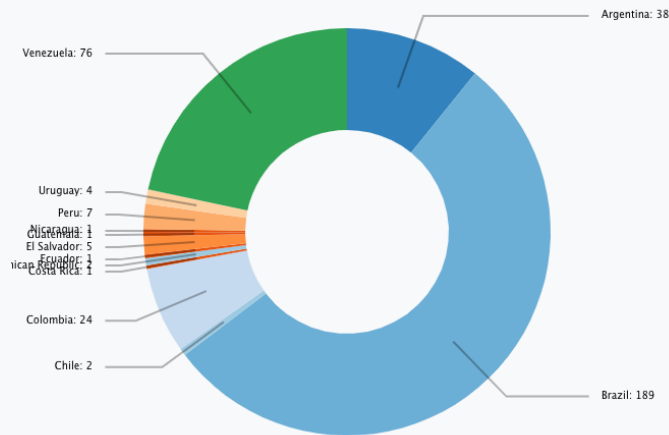
> http:127.0.0.1:8080

Screenshot

WORKANA Analysis   Home   About

This is the analytic result toward the 'Freelancer' section of the website WORKANA.

See: https://www.workana.com/en/freelancers

* Total Number of Job Seeker(s): **351**
* Country Distributions:

Argentina: 38
Venezuela: 76
Uruguay: 4
Peru: 7
Nicaragua: 1
Guatemala: 1
El Salvador: 5
Ecuador: 1
Dominican Republic: 1
Costa Rica: 1
Colombia: 24
Chile: 2
Brazil: 189

* Avg. Hourly Rate of all Seeker(s) among Lating America: **$ 11.476130136986297 USD**
* Highest Hourly Rate: **$ 40.26 USD, from Brazil**

Average Hourly Rate by Country

The hourly rate is the dollar amount given by the job seeker. This number is the intended hourly salary the seeker hope to receive if employed. The graph given shows the average hourly rate for each country. **Click the country to see detail**.