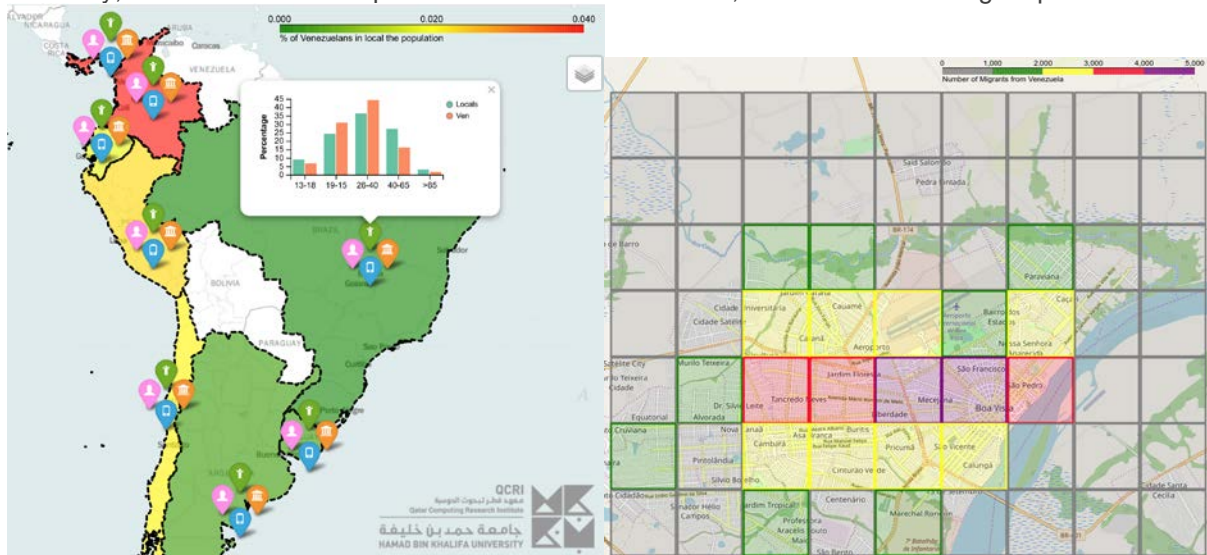


Visualizing the Venezuelan Crisis

Project Description:

Venezuela is currently undergoing through a political and economic crisis leading to an outpouring of immigrants to other countries in the region. In this project, we propose to quantify and understand the crisis. For that, we make use of the Facebook Marketing API, which provides population estimates of Venezuelans in different parts of the world. These estimates are then used by people on the ground (United Nations, for example), to send help where it is required.

Currently, we have created simple visualizations of this data, such as the following maps:



We would like to build a data pipeline in which the collected information is periodically and automatically displayed in a Website. Different data visualizations of the Venezuelan crisis would be shown in this single Website.

Duties/Activities:

- Automate the data collection
- Develop a front-end Web page to display the collected data

Skills:

- Python (Required)
- Good programming skills (Required)
- Web development: HTML, CSS, Java Script (optional)
- D3.js (optional)

Preferred Intern Academic Level: Bsc in Computer Science or related field

Learning Opportunities:

- Learn how to work with data science tools in Python (pandas, numpy, matplotlib, folium)
- Collaborate with researchers in QCRI and have your work used by United Nation agencies

Expected Team Size: 2 interns

Mentors

Name: Joao Palotti email: jpalotti@hbku.edu.qa
Name: Ingmar Weber email: iweber@hbku.edu.qa