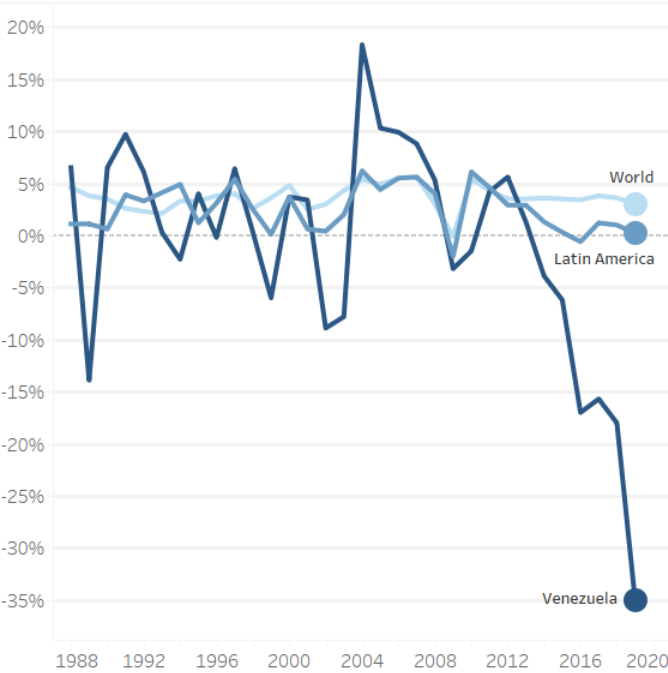


Data Visualization – Homework 2

Refugee crisis in Venezuela by numbers

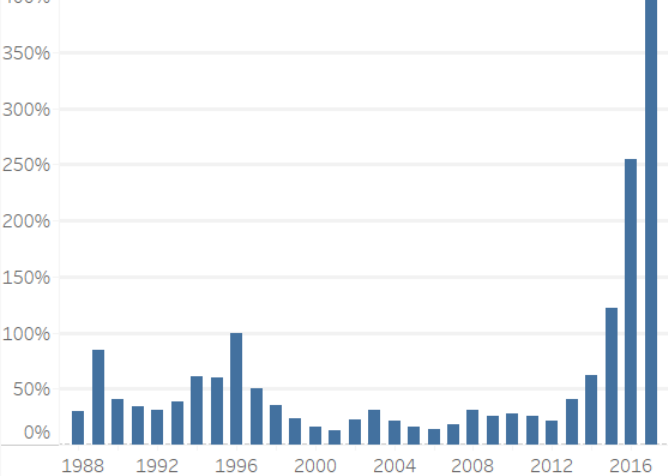
Real GDP growth, annual percent change, %

Source: IMF, *World Economic Outlook*



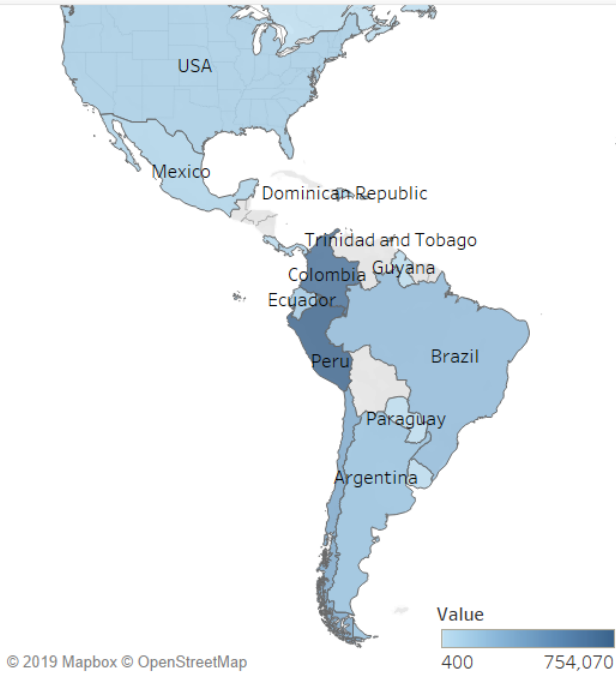
Inflation rate in Venezuela, annual percent change, %

Source: IMF, *World Economic Outlook*



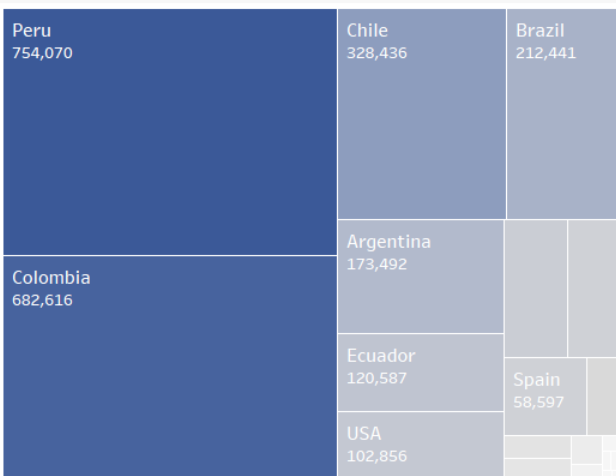
Venezuelan refugees arrived by country, 2019

Source: Response for Venezuelans



Top destinations for Venezuelan refugees, 2019

Source: Response for Venezuelans



In this dashboard, I tried to introduce the recent refugee crisis in Venezuela to my audiences so that people will pay more attention to this socio-economic tragedy. Venezuela has been known for its weak control over inflation rate for years, but this crisis supersedes all hyperinflations the country experienced. Venezuelan people started to flee their country since 2016, when inflation hit 800%. The situation only gets worse in 2019. When their monthly salary can't even buy a hotdog, millions of Venezuelans decide to leave to other countries.

In my first chart, I talked about the huge drop in Venezuela's GDP, which is a good indicator of the country's poor economic performance. Here, I compared the Venezuela real GDP growth with the ones of Latin America average and world average. I used the line chart, so that audiences can easily tell the difference between Venezuela, Latin America average and world average. I wanted the end of three lines to be dots, so I actually set the type of chart to be circle and then added year to the PAGE section and check "show history path". This way I got a static line chart with dots emphasizing their difference at the end year. For the second chart, I decided to go simple and created a bar chart. I hid the title and added a textbox in the dashboard view, so that I can enlarge the chart as much as possible. For the third and fourth charts, I used the same dataset from Response for Venezuelans. The idea here is to first show an intuitive geo-map to give the audiences a sense of which directions and which countries Venezuelans decide to go in 2019, and then rank these countries in the following size chart and show the exact numbers. That way the audiences will get a better understandings of which are the top destinations for Venezuelan refugees.

Aesthetically, I decided to go blue for the most parts. For the first three charts, I used the built-in Tableau blue color scale. For the size chart, I used the famous Facebook color palette. For the dashboard formatting, I also used the Facebook color palette. For the main title, I decided to do something special by first capturing the color I want and then inserting them as images.

Data Sources:

IMF, World Economic Outlook

<https://www.imf.org/external/datamapper/PCPIPCH@WEO/WEOWORLD/VEN>

R4V, Response for Venezuelans

<https://r4v.info/en/situations/platform>