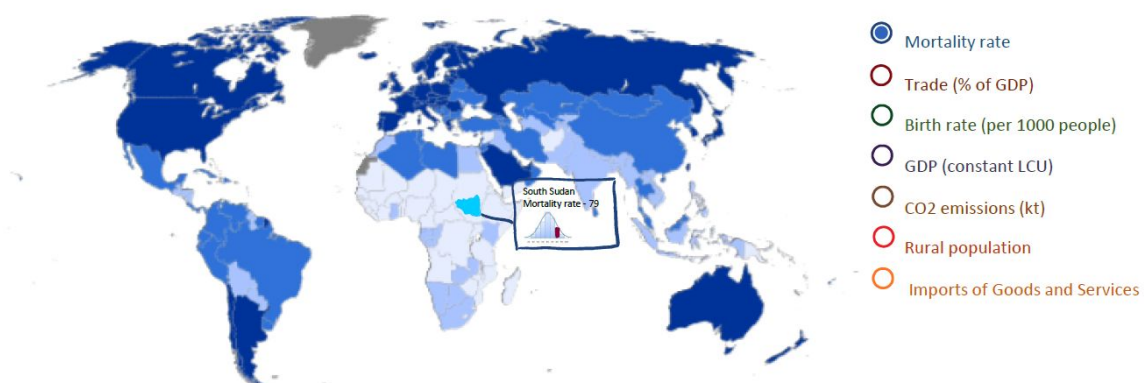


Jose Arreluce
Dominic DiCarlo
Hasmik Grigoryan

Visualization of Indicators in World Development

Our visualization is concerned with indicators of world development across different countries. The data was collected by World Bank, a global partnership working toward sustainable solutions to reduce poverty and build shared prosperity in developing countries (<https://www.kaggle.com/worldbank/world-development-indicators/data>). The dataset is complete and thorough, but we will need to trim down the number of indicators in the data, as currently there are over 70 available in the data. We want to narrow those 70 down to 4 or 5 of the most interesting ones, possibly combining some indicators. The visualization will consist of a world map colored according to a user-selected indicator. Countries with higher values of the indicator will tend toward one side of the color scale, while lower valued countries will tend toward the other side. The user will be able to switch indicators and see various trends around the world in mortality rates, birth rates, CO2 emissions, etc.

We would also like to incorporate *Details on Demand* into our visualization. Hovering over a country will highlight the country with a slight change in color, as well as feature a pop-up percentile of where the country is in regards to other countries in the currently selected metric. Clicking on a country will pop-up a histogram distribution of countries and the current indicator, with the clicked-country highlighted in the histogram. Through the use of a selection box with different indicator options, the user will be able to change the mapped indicator being presented on the world map. Different hues color maps will serve to differentiate the indicator currently mapped to the other indicator options, along with a change in the title above the world map.



Prototype of Visualization