
How GDP and life expectancy has changed over years

Definitions:

GDP is short for Gross Domestic Product. GDP is the total value of goods produced and services provided in a country during one year.

Life expectancy is average that a person may expect to live.

Infant mortality rate is number of deaths per 1000 live births of children, under one year of age.

Phone usage is phone usage per capita. It is number of phones used on an average per person.

Explanation:

The GDP is often looked as a measure of the prosperity of a country. To see how the GDP change over the years between 2000 and 2012, and how the life expectancy changes over the same years for the selected countries. Few countries from Africa region were selected based on how their location relative to each other. Few countries from south and north of African subcontinent are selected respectively.

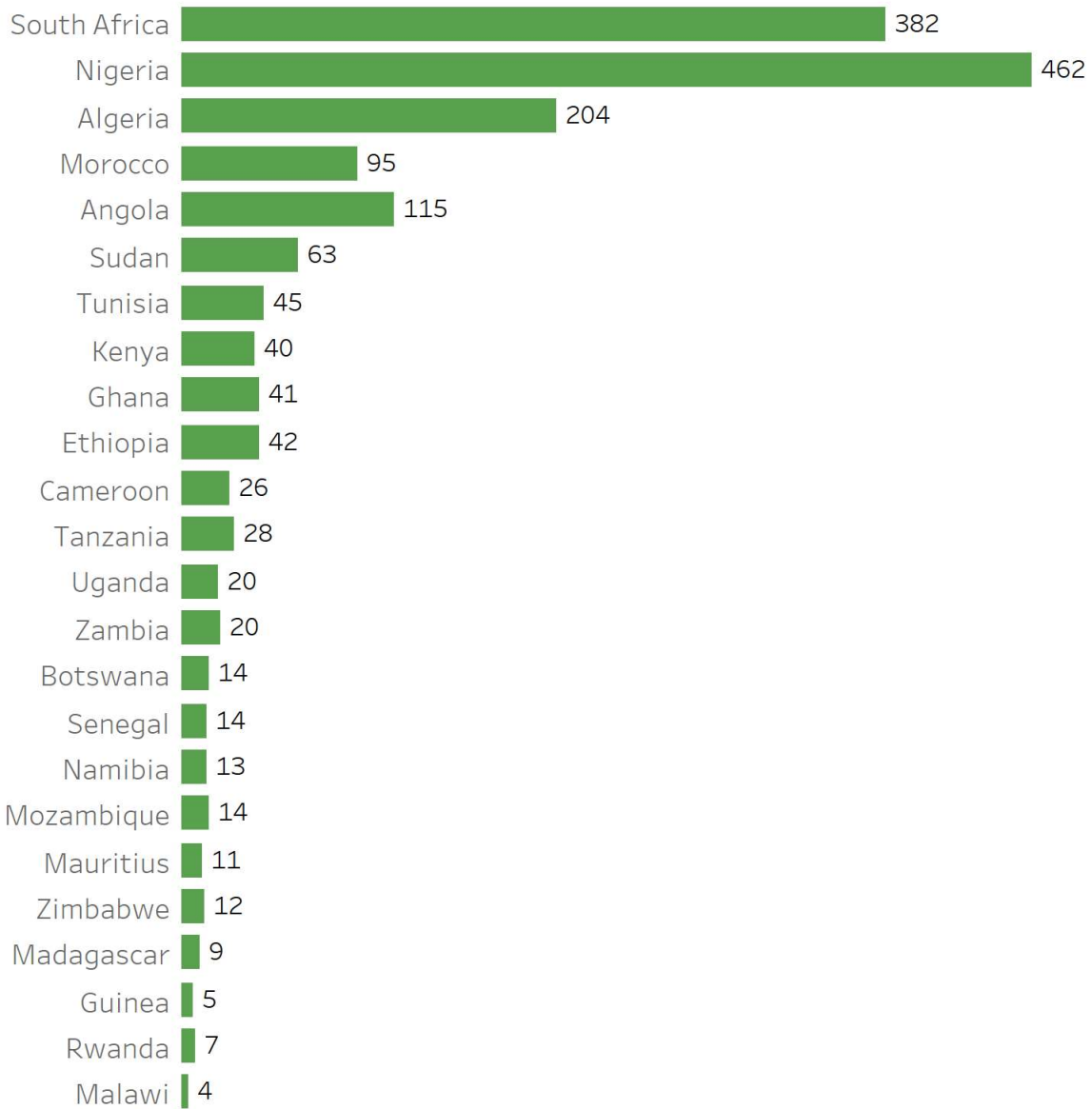
The color scheme is generalized as per the features, for example, female life expectancy is pink and male life expectancy is blue. The choice of showing GDP is a simple, elegant bar chart, sorted by the GDP in descending order. Maintaining the order of countries, I created a separate butterfly chart, showing male and female life expectancies respectively.

I also created a map showing infant mortality rate and phone usage respectively. These measures also give insights related to the quality of life, economic conditions in the country.

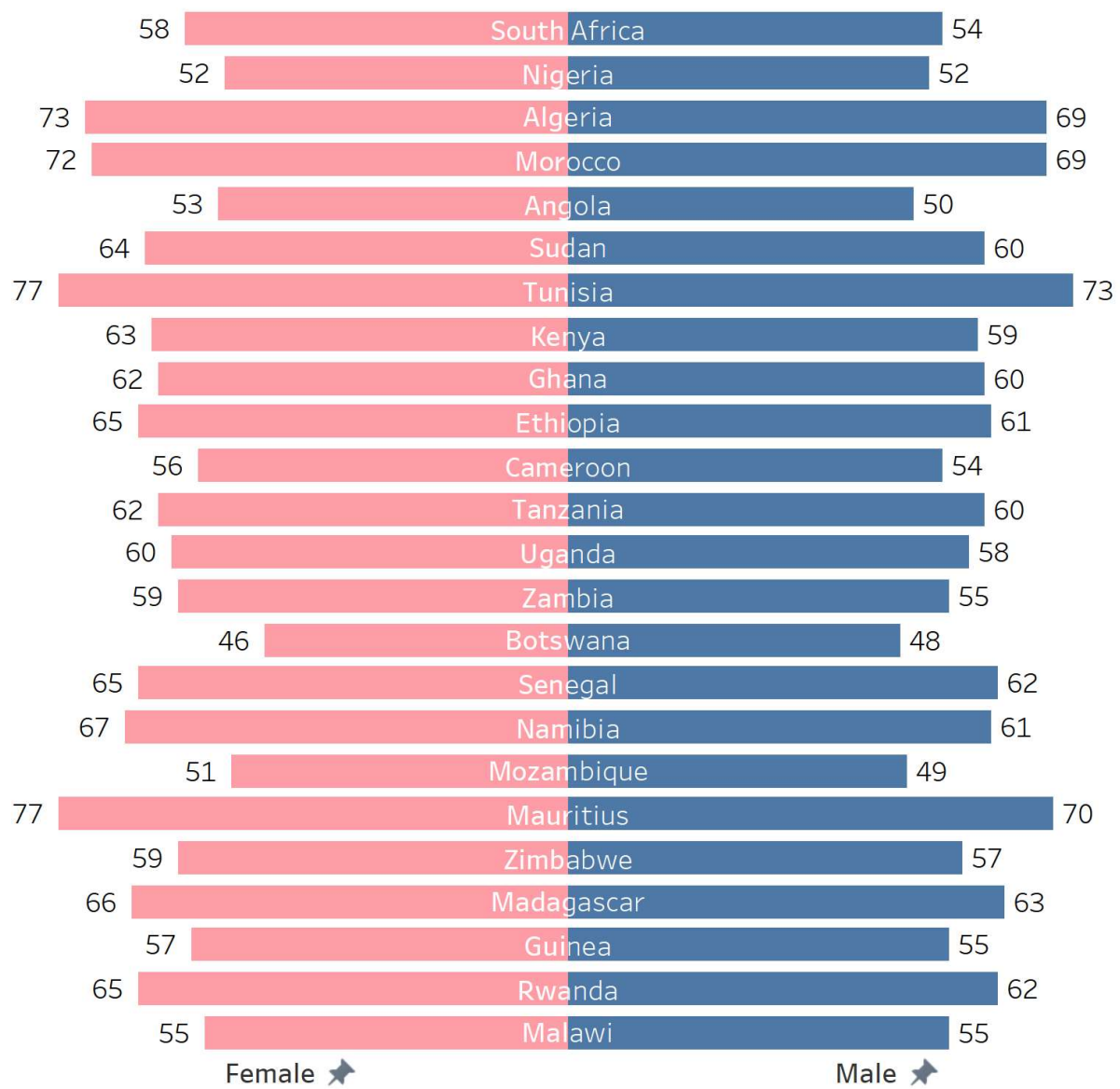
Finally, the data source of all the data is World Indicators dataset.

URL for animation: <https://www.youtube.com/watch?v=U7ae3HXrbDE>

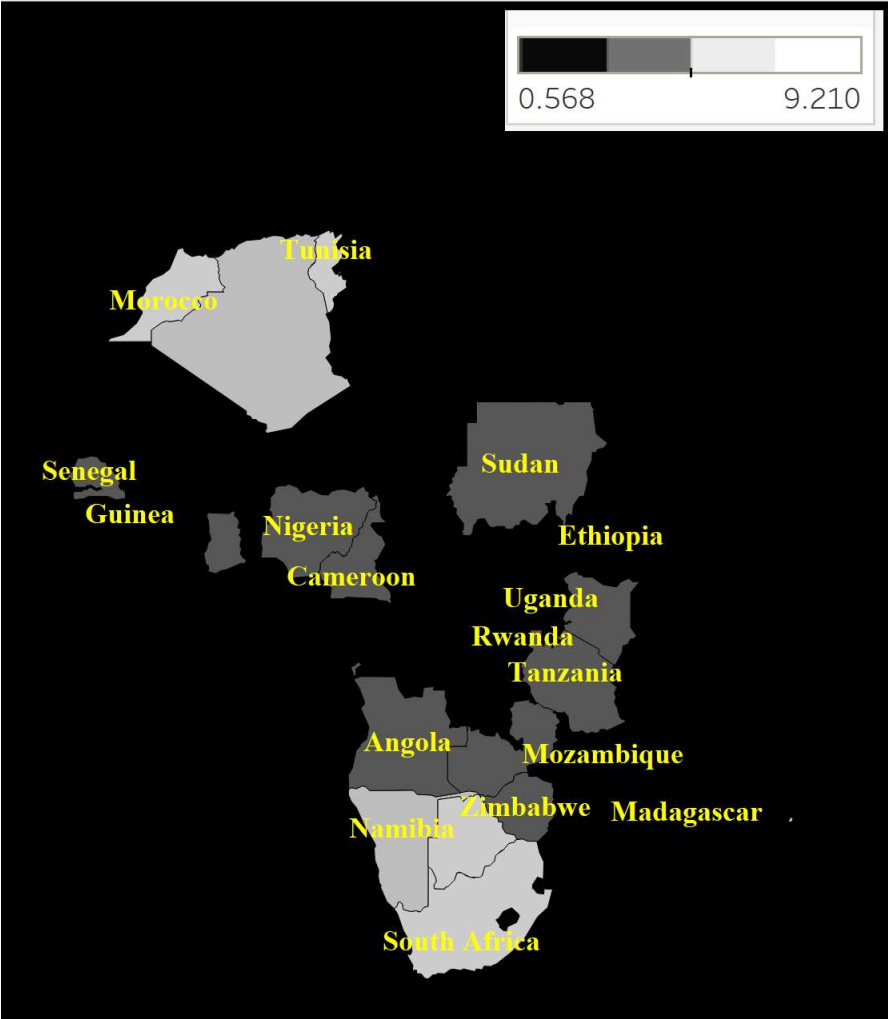
GDP in billion dollars - 2012



Life expectancy - 2012



Mobile phone usage



Infant Mortality Rate

