Dataset:

Gapminder World Dataset

Gapminder has collected a lot of information about how people live their lives in different countries, tracked across the years, and on several different indicators.

I made the analysis on these indictors:

total GDP, total aid received, total murder death, total malaria death.

the question(s) that I posed:

based on these indictors I tried to know: -

1-The impact of the aid received on the growth rate in Egypt during the period from 2000 to 2010.

 2- The highest growth countries in 2010

 3-Copmaring number of malaria death and murder death in Nigeria in 2005

the description of investigate those questions:

1-The impact of the aid received on the growth rate in Egypt during the period from 2000 to 2010.

Gross domestic product (GDP) is the best way to measure economic growth. It considers the country's entire economic output. It includes all goods and services that businesses in the country produce for sale.
Aid received is a support operation that capable donor countries undertake voluntarily by providing resources to needy countries.
So, I tried to know if those aids really help need countries to achieve growth or not

2- The highest growth countries in 2010

We can know the country's growth from it's GDP so I sorted the GDP based on 2010 then I get the top 10 countries using head (10).

3-Copmaring number of malaria death and murder death in Nigeria in 2005

Data Wrangling:

• Data gathering:
In this step, collecting data for this project from one source:
Downloaded four csv file manually to my working directory Then imported into working environment using pandas function "pd.read.csv".

• Data assessment:
in this step, I investigate the datasets both visually and programmatically for quality and tidiness
issues.
• I do the visual assessment on excel spreadsheet. Then, the programmatic assessment is done in Jupyter notebook.
• First, I addressed the missing values. Then addressed the tidiness issues second to facilitate the tackling of the rest of quality issues that were validity, accuracy and consistency classes of the quality aspects and extracts these assessment point:
Quality issues:

1- aid received
missing values

2- GDP
missing values

3- malaria death
missing values
• *Data cleaning:*
1- aid received

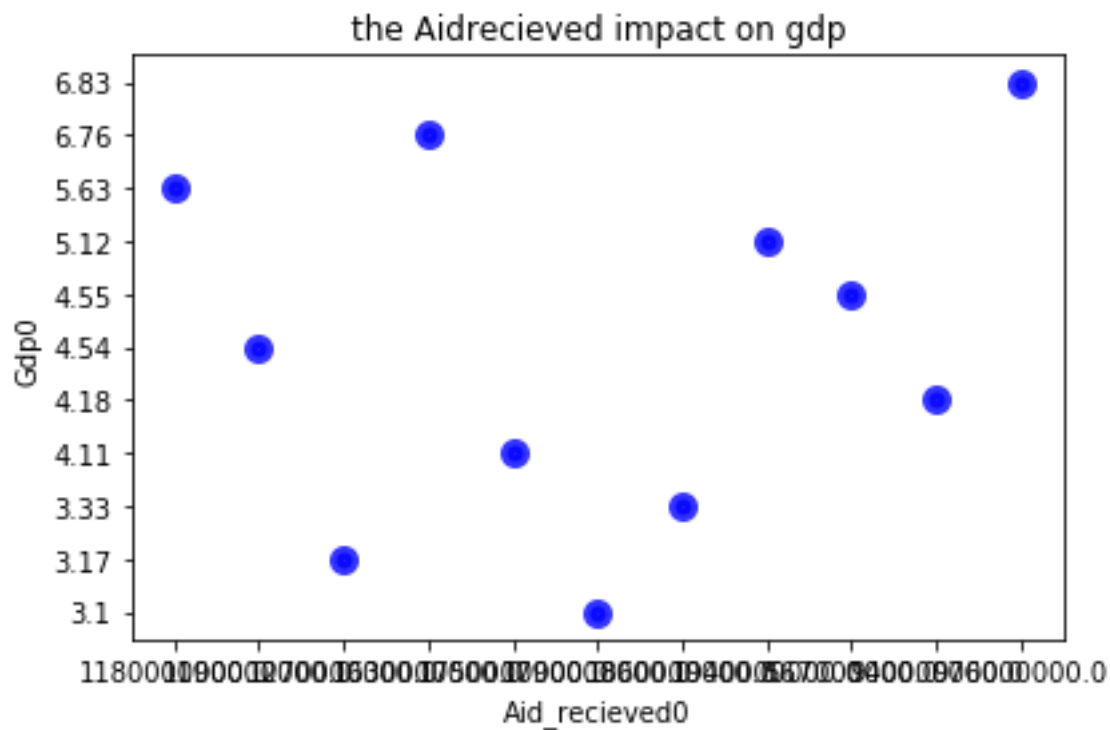- Replace empty string with np.nan
- Drop missing values
2- GDP
- Replace empty string with np.nan
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- Drop missing values

3- malaria death
- Replace empty string with np.nan
- Drop missing values

Conclusions and Communication:

1-The impact of the aid received on the growth rate in Egypt during the period from 2000 to 2010.
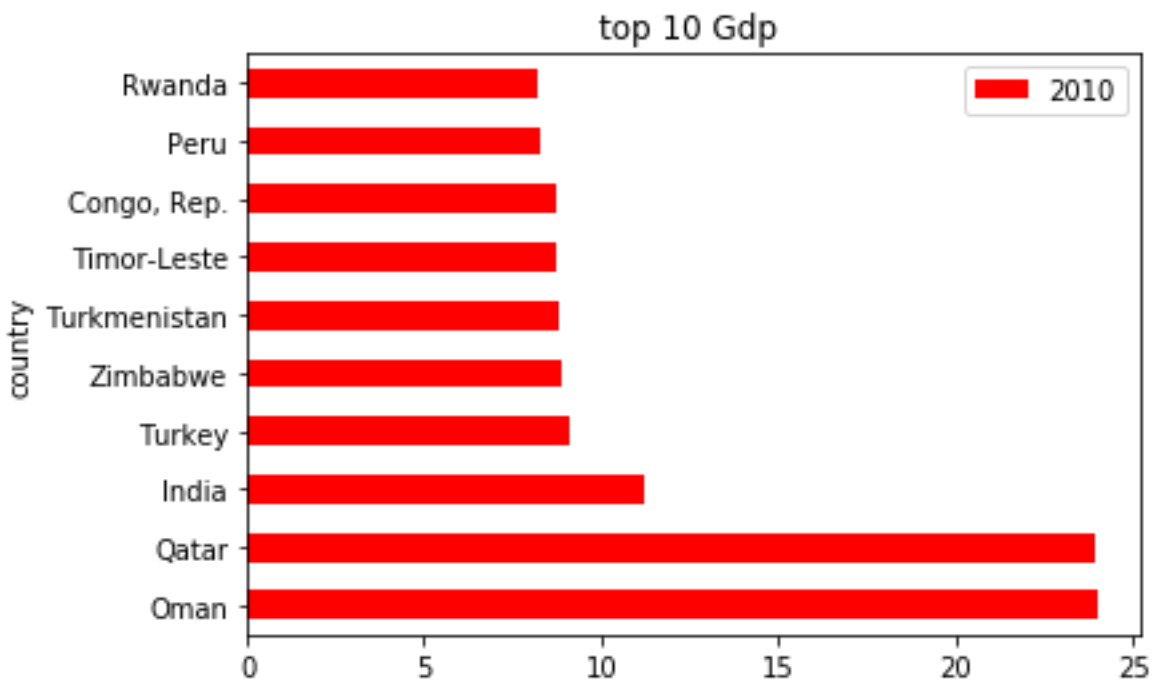
BY following each of yearly total aid received in Egypt from 2000 to 2010 and the total GDP in the same period, according to the data shape in visualization, the aid received doesn't has impact for GDP

the Aidrecieved impact on gdp

2- The highest growth countries in 2010

As the bars show the top ten countries in GDP for 2010 are:

Oman-Qatar- India- Turkey- Zimbabwe-Turkmenistan-Timor-Leste-Congo-Peru and Rwanda

3-Copmaring number of malaria death and murder death in Nigeria in 2005

By comparing the number of people who died because of malaria and people who died because of murder crimes in Nigeria in 2005, we found that malaria killed people more than criminals .