# Power BI Data Scraping Portfolio Project | Power Query Data Analysis

**Watch this project on youtube:** <https://www.youtube.com/watch?v=iUzOcJD_i4A&t=992s>

This project explores world population by continents and countries. The data is scraped directly from the internet from 3 web pages (given below). We then load this data in power BI, clean and transform it in Power Query, then present our findings in an interactive Power BI dashboard.

## SOURCES:

You can download an excel file for this data from Github repository, or if you want to follow this video, the links are given below.

⭐ Github: <https://github.com/kahethu/world-population>

Included in the repository:

- Power BI file

- Excel data file

- PDF dashboard

This data was scraped from the following websites:

- POPULATIONS: <https://www.worldometers.info/world-population/population-by-country/>

- CONTINENTS: <https://worldpopulationreview.com/country-rankings/list-of-countries-by-continent>

- CAPITAL CITIES: <https://geographyfieldwork.com/WorldCapitalCities.htm>

# **## QUESTIONS TO ANSWER**

**### KPIs:**

- Total population

- Yearly population change

- Median age

- Urban population

**### Questions / Charts:**

**#### 1: Population Density by Country:**

Bar or column chart displaying the population density (people per square kilometer) for different countries.

**#### 2: Geographical Visualization:**

Population by continent

**#### 3: Population by country:**

Treemap representing total population & world population share allocated to each continent.

**#### 4: Migrants Impact on Population:**

Stacked column chart /line chart comparing the net migration effect on population growth

**Results: - Migration does not show any influence on population growth**

**#### 5: Median Age Distribution:**

Donut chart showcasing the distribution of median age across different continents.