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

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.

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.