

PROJECT 2: WORLD POPULATION DATASET

The given dataset contains the global national population records between 1970 and 2022. Investigate this dataset and mine answers to the questions given below. Endeavor to clean the dataset as well as use appropriate visualizations.

Dataset Glossary (Column-wise)

- **Rank:** Rank by Population.
- **CCA3:** 3 Digit Country/Territories Code.
- **Country/Territories:** Name of the Country/Territories.
- **Capital:** Name of the Capital.
- **Continent:** Name of the Continent.
- **2022 Population:** Population of the Country/Territories in the year 2022.
- **2020 Population:** Population of the Country/Territories in the year 2020.
- **2015 Population:** Population of the Country/Territories in the year 2015.
- **2010 Population:** Population of the Country/Territories in the year 2010.
- **2000 Population:** Population of the Country/Territories in the year 2000.
- **1990 Population:** Population of the Country/Territories in the year 1990.
- **1980 Population:** Population of the Country/Territories in the year 1980.
- **1970 Population:** Population of the Country/Territories in the year 1970.
- **Area (km²):** Area size of the Country/Territories in square kilometers.
- **Density (per km²):** Population Density per square kilometers.
- **Growth Rate:** Population Growth Rate by Country/Territories.
- **World Population Percentage:** The population percentage by each Country/Territories in 2022.

Questions:

1. Which continent had the highest average population growth rate between 1990 and 2020?
2. What was the average decline in population growth between 1970 and 2000?
3. Which countries exhibit outlier-like behavior in terms of their population growth rates?
4. What is the average population growth of African countries? How does it compare to other continents?
5. Compare the population growth rates of African countries with those of Asian countries.
6. Which 2 continents constitute the smallest global population percentage?
7. Find two countries that exhibited outlier-like behavior in their population growth between 1980 and 2020.
8. Investigate the continental relationship between a country's population growth and population density.
9. Explore the correlation between a country's land area and its population growth in the last three decades.
10. Determine the net population growth of the 20 biggest countries in the world between 1980 and 2015.

Deliverables:

1. A Jupyter Notebook of your analysis.
2. A PDF report of your findings.
3. A GitHub repository.

Structural Format of Report

1. Title
2. Cover photo
3. Executive summary
4. Table of content
5. Introduction
6. Results and findings
7. Resources and references used