**Summary – *Population Insights Power BI Report***

**Project Title: *Global Population Overview Dashboard***

**Tool Used**: Microsoft Power BI  
**Prepared by**: Miriam Nyang’wara  
**Date**: August 2025

**🎯 Objective**

To develop an interactive dashboard that provides insights into the population distribution across countries and regions globally. The report enables users to analyze population totals, geographical areas, and classifications such as “Large” or “Regular” populations.

**📊 Key Visuals & Insights**

* **Pie Charts** showing:
  + Population distribution by country
  + Top 10 most populous countries (e.g., China, India, US)
* **Bar Chart** comparing:
  + Country area (sq. km) vs. population count
* **Data Table**:
  + Country name, population size, classification (e.g., “Large Population”)
* **Interactive Filters**:
  + Description (e.g., Large/Regular Population)
  + Source Year, Country Code

**🔍 Dataset Overview**

* Source: Publicly available country/population dataset
* Tables:
  + countries
  + list\_of\_countries\_and\_dependencies\_by\_population

**💡 Insights**

* China and India dominate global population figures.
* Many small-area countries have disproportionately high or low populations.
* Users can drill down by country code and year to compare trends.

**🛠️ Techniques Used**

* Data modeling in Power BI
* Visual relationships between population and geography
* Page navigation, filters, and visual bookmarks

**📌 Use Cases**

* Education and research
* Demographic comparison by continent or development status
* Visual explanation of population concentration for presentations