Nepal Provincial Population Dashboard - Power BI Project

April 2025

Objective:

The Nepal Provincial Population Dashboard visualizes population data from the 2021 Nepal Census, focusing exclusively on Nepal's seven provinces. Using datasets from the Central Bureau of Statistics (CBS) Nepal, this project provides an interactive tool to explore provincial population distribution and key metrics, making census data more accessible.

Key Features:

- Interactive slicers to filter data across all provinces or focus on a specific one.

- Visuals displaying total population for all seven provinces.

- Detailed view of a selected province, including aggregated district-level data.

Process:

1. Data Acquisition: Imported two Excel datasets—"District Population" and "Provincial Population"—from CBS Nepal (https://censusnepal.cbs.gov.np/results).

2. Data Preparation: Used Power Query to clean, merge, and aggregate district data into provincial summaries, ensuring consistency across datasets.

3. Visualization: Built a Power BI dashboard with charts and tables to showcase provincial population insights.

Impact:

- Simplified analysis of provincial population trends for educational or research purposes.

- Provided a clear visual representation of Nepal's population distribution by province.

Skills Demonstrated:

- Dashboard design tailored to provincial-level analysis in Power BI.

Source:

- Central Bureau of Statistics Nepal (2021 Census)

- Datasets: "District Population" and "Provincial Population" Excel files

- Reference: National Report (https://censusnepal.cbs.gov.np/results/files/result-folder/National%20Report_English.pdf)