

Team quantr



This is our project webpage.

Please stay tuned to follow our project activities.

Team Members

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Project Topic

Comparative Analysis of Turkey's Development Using Key Demographic Indicators

In this project, we analyze Turkey's development status compared to more developed, less developed, and least developed countries. The comparison is conducted on a year-by-year basis, focusing on key demographic indicators such as mortality rates, birth rates, population trends, and other relevant factors.

Data Set

We obtained the data set from the United Nations Department of Economic and Social Affairs, Population Division. You can access the relevant data set from the link below:

[https://population.un.org/wpp/Download/Files/1_Indicator%20\(Standard\)/EXCEL_FILES/1_General/WPP2024_GEN_F01_DEMOGRAPHIC_INDICATORS_COMPACT.xlsx](https://population.un.org/wpp/Download/Files/1_Indicator%20(Standard)/EXCEL_FILES/1_General/WPP2024_GEN_F01_DEMOGRAPHIC_INDICATORS_COMPACT.xlsx)

The original data set required a thorough cleaning process to ensure reliability and clarity for analysis.

Cleaning Process and Grouping

1. Cleaning Process:

- Missing or incomplete data entries were identified and addressed to maintain the dataset's integrity.
- Duplicates and irrelevant rows were removed.
- Relevant data for "Turkey," "More Developed," "Less Developed," and "Least Developed" groups were extracted for focused analysis.

2. Grouping Process:

To simplify and enhance our analysis, the cleaned data set was divided into several key groups based on demographic parameters:

- **Change in Population:** Trends and shifts in population size over the years.
- **Child Demographics:** Birth rates and child-related population indicators.
- **Death Rate:** Annual death rates across groups.
- **Life Expectancy:** Average life expectancy trends over time.
- **Mortality:** Mortality rates segmented by different age groups and causes.
- **Population Dynamics:** Overall population trends and growth patterns.
- **Total Deaths:** Aggregate death counts across years.
- **Other Parameters:** Additional indicators relevant to the demographic and economic development of regions.