GLOBAL OVERVIEW

PRESENT BY

KEERTHIKA

Data Import

Imported raw dataset (Excel with multiple sheets) into Power BI.

Verified column names, data types, and overall structure.

Data Cleaning

Removed duplicate records.

Handled missing/null values (removed or replaced where necessary)

Corrected inconsistent formatting (text, numbers, dates).

Renamed columns for clarity and consistency.

Removed unnecessary columns.

Data Transformation (Power Query)

Changed data types (e.g., Text → Whole Number, Decimal)

Created calculated columns (e.g., Population Density, Year grouping).

Filtered irrelevant records.

Split and merged columns where required.

Standardized categorical values (Region, Income Group).

Tool Used

Microsoft Excel

Statistical Techniques Applied:

Mean (Average)

Median

Minimum & Maximum

Standard Deviation

Variance

Range

DESC STATISTICS	
Mean	207254342
Median	6476322
STDEV	679655598
VAR	4.61932E+17
MIN	4279
MAX	7442135578
KURTOSIS	35.2894153
SKEWNESS	5.446063693
RANGE	7442131299

DAX measures were created to perform dynamic calculations and enhance analytical insights within the Power BI model.

Measures Developed:

Average Literacy

Calculates the average literacy percentage across all countries.

Country Count

Counts the total number of distinct countries in the dataset.

Total GDP

Computes the overall GDP by summing GDP values across countries and years.

Total Population

Calculates the average population across records.

GDP Per Capita

Divides Total GDP by Total Population to measure economic output per person.

GDP Per Capita = DIVIDE([Total GDP], [Total Population])

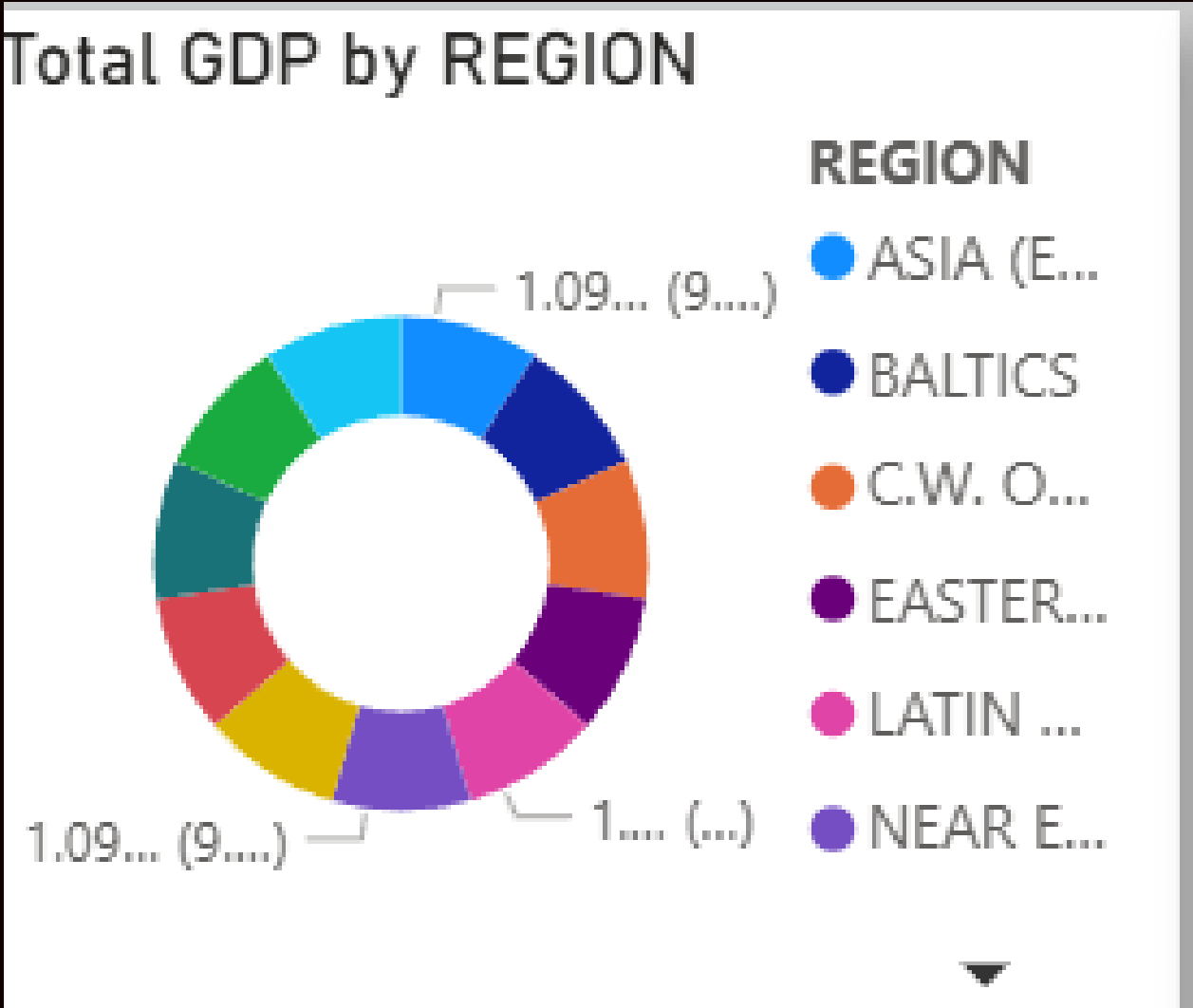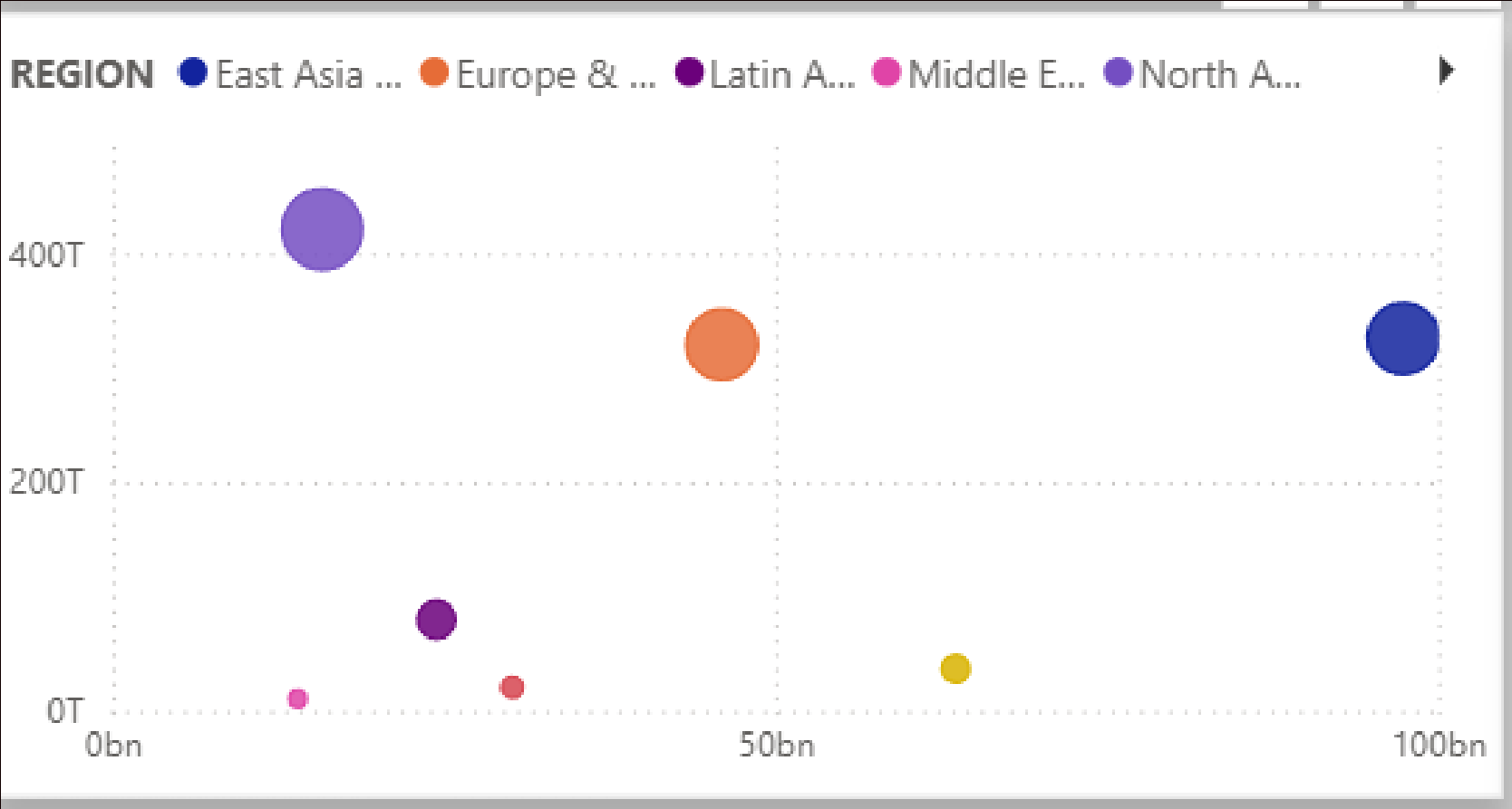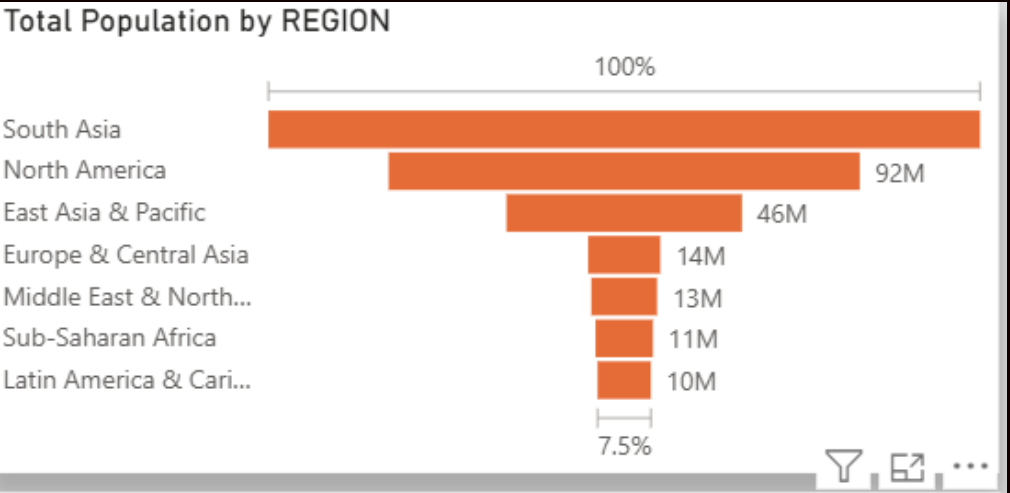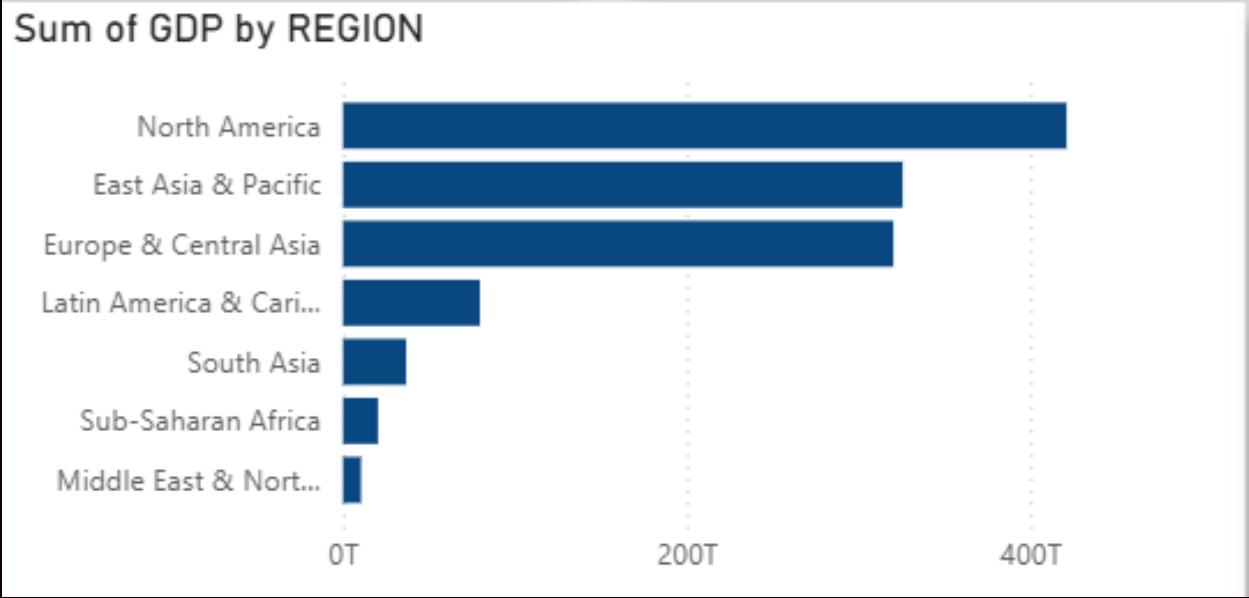Rank GDP = RANKX(ALL(COUNTRY), [Total GDP], , DESC)

Types of Visualizations Created:

Bar Charts

Pie/Donut

KPI Cards

Tables (detailed comparison)

GLOBAL OVERVIEW

YEAR ☐ 1960

INCOME_GROUP ☐ High income

100.44	207M	52.71M	218
First INFANT MORTALITY	Total Population	GDP Per Capita	Country Count

REGION
- ☐ East Asia & Paci...
- ☐ Europe & Centr...
- ☐ Latin America ...
- ☐ Middle East & ...
- ☐ North America
- ☐ Region
- ☐ South Asia
- ☐ Sub-Saharan Af...

COUNTRY
- ☐ Algeria
- ☐ Australia
- ☐ Austria
- ☐ Bahamas, The
- ☐ Bangladesh
- ☐ Belgium

Sum of GDP by REGION

North America
East Asia & Pacific
Europe & Central Asia
Latin America & Cari...
South Asia
Sub-Saharan Africa
Middle East & Nort...

0T   200T   400T
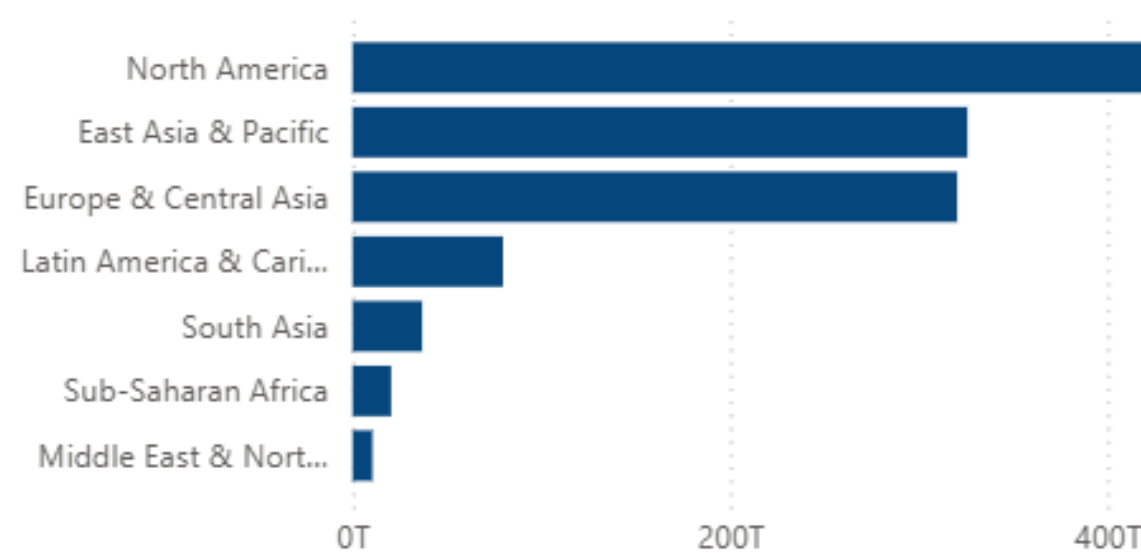
Total Population by REGION

	100%
South Asia	
North America	92M
East Asia & Pacific	46M
Europe & Central Asia	14M
Middle East & North Africa	13M
Sub-Saharan Africa	11M
Latin America & Caribbean	10M

7.5%
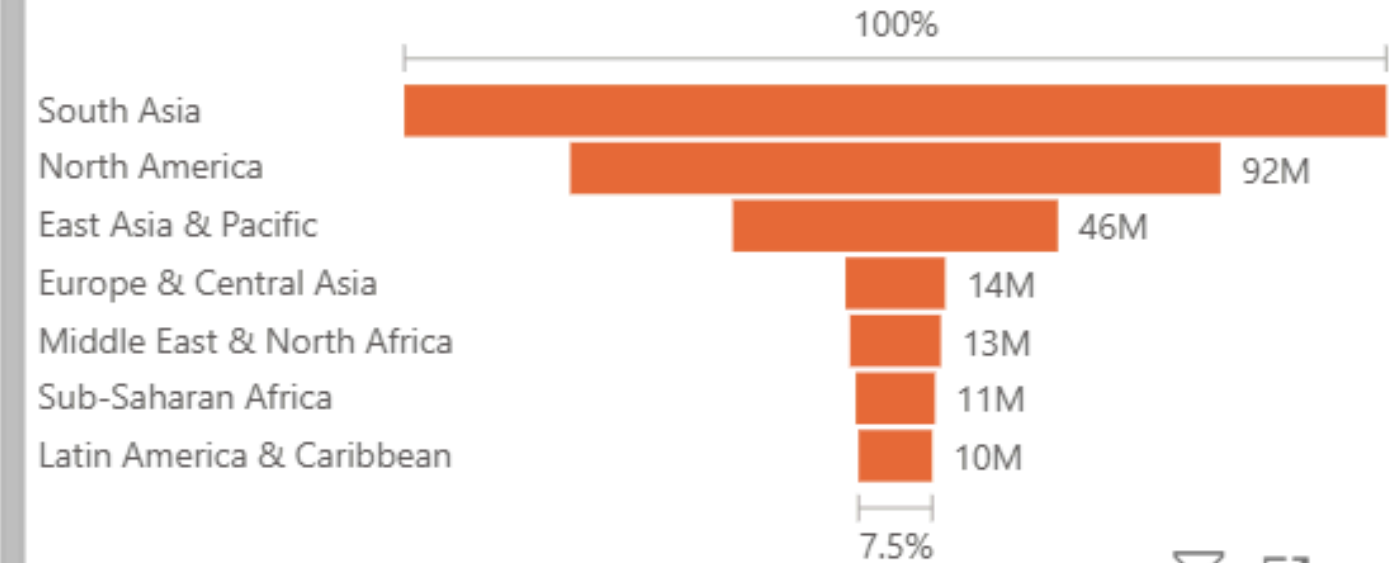
REGION ● East Asia ... ● Europe & ... ● Latin A... ● Middle E... ● North A... ▶

400T

200T

0T

0bn   50bn   100bn
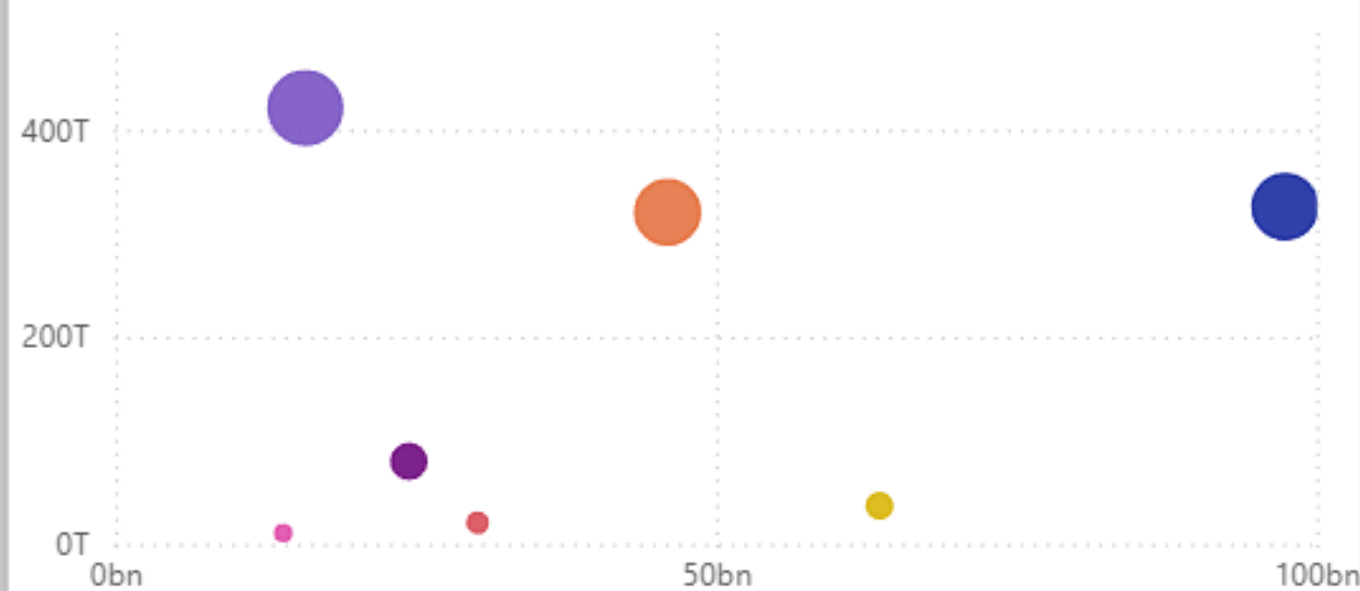
Sum of POPULATION by COUNTRY

0.3T
0.2T
0.1T
0.0T

World
IDA & IBR...
Low & mi...
Middle in...
IBRD only
Early-dem...
Upper mi...
Lower mi...
Late-dem...
East Asia ...
East Asia ...
East Asia ...
South Asia
South Asi...
China
OECD me...
High inco...
Post-dem...
IDA total
India
Europe & ...
IDA only
Sub-Saha...
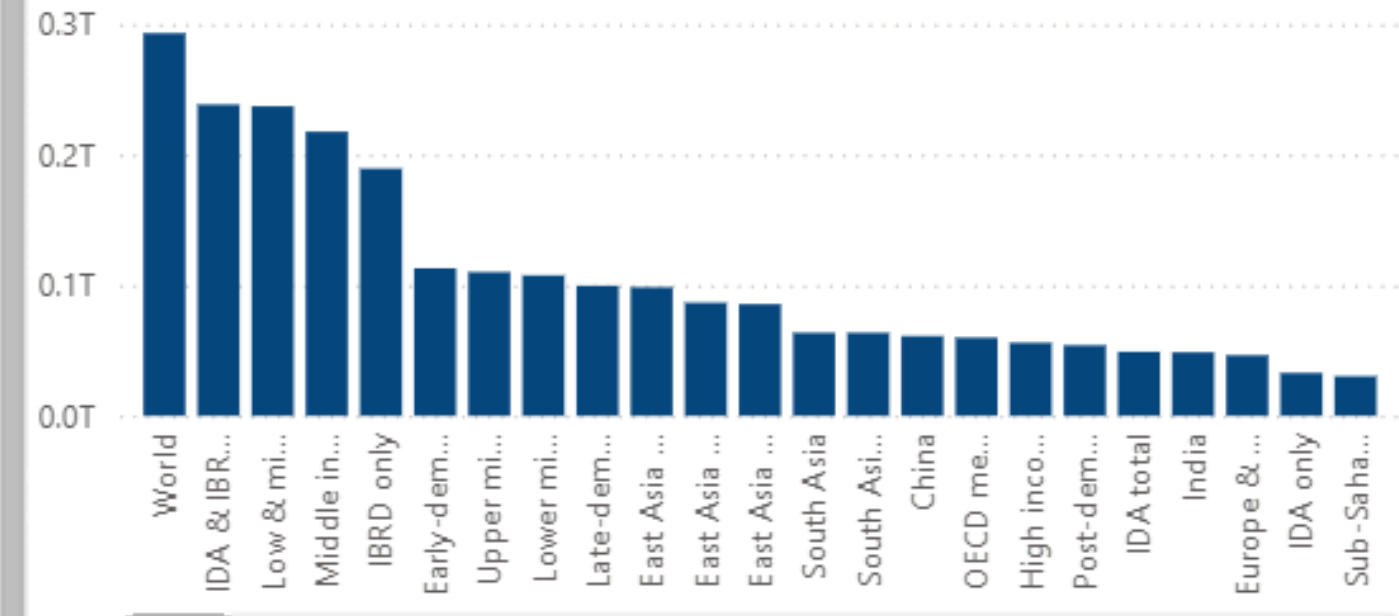
Insights & Analysis

The dashboard provides a comprehensive global overview of economic and demographic indicators across 218 countries. The analysis highlights significant regional disparities in total GDP contribution and population distribution. Certain regions demonstrate strong economic dominance, while others contribute comparatively less, indicating uneven global development.

GDP per capita rankings reveal a clear gap between higher-income and lower-income countries, reflecting economic inequality. Trend analysis over the years shows consistent long-term growth, with noticeable acceleration in recent decades. Additionally, population size does not directly correspond to higher economic output per person, emphasizing structural and income-level differences across regions.

Overall, the visualization enables comparative analysis, trend identification, and performance ranking, supporting data-driven insights and strategic understanding of global patterns.

THANK YOU