**Objective 1: Prepare & QA the Data**

**The first objective is to get the data ready for analysis by importing and joining the data, creating new columns, and performing basic profiling and QA.**

1. Import the World Bank Excel file.

2. Use "GDP" and "GDP per Capita" to calculate population in millions and create a "Population (M)" column.

3. Perform basic profiling & QA on the data.

4. Filter the data to 2014 and join it with the HDI csv file on "Country Code".

**Objective 2: Prepare the data for visualization**

**The second objective is to transform and shape the data into tables that will be used as the source for data visualizations.**

5. Create a "gdp\_pivot" table with years as rows, regions as columns, sum of GDP as values.

6. Create "pop\_pivot" table with years as rows, regions as columns, and sum of population as values.

7. Create "wb\_hdi\_by\_region" table by calculating the average HDI for each region and sorting from highest average HDI to lowest.

**Objective 3: Visualize the data.**

**The third objective is to create 5 charts to visualize trends, relationships, and comparisons across regions.**

8. Create a stacked area chart showing the growth of GDP over time, with each stack representing a geographic region.

9. Create a stacked area chart showing the growth of population over time, with each stack representing a geographic region.

10. Create a bubble chart with life expectancy for each country in the x-axis, GDP per capita in the y-axis (log scale), and population as the bubble size. Color the bubbles by region using the same colors for each as in the previous charts.

11. Create a bar chart to show average HDI by region (make sure the region colors match).

12. Create a scatterplot with power consumption in the x-axis and GDP per capita in the y-axis, then use HDI as a color scale for the dots (make sure to remove outliers like Iceland).

**Objective 4: Build a final report**

The final objective is to structure your visualizations into a compelling report on the state of the global economy.

Assemble the 5 visualizations you have created into a single page (or figure).

Add an overall title and descriptive text to add context for the reader