

## **Final Project: Proposal/Dataset Selection**

- 1) Group 2 Members: Ganavi Kudukuli Chandrashekar, Guancheng Lu, Vedansh Modwel, Saif Wasay Mohammed.
- 2) The dataset for use: **Global Economy Indicators**. This dataset is sourced from Kaggle and captures key economic indicators for various countries over multiple years, including exchange rates, population, per capita income, GDP, and sectoral contributions. It contains 10,512 rows and 26 columns. Analyzing this dataset can help researchers understand global economic dynamics and compare economic health across nations.
- 3) Questions to solve with further analysis:
  - a) How has the Gross Domestic Product (GDP) changed over time for specific countries?
  - b) Is there a correlation between exchange rates and Gross National Income (GNI) or GDP for specific countries?
  - c) How does population size correlate with per capita GNI across countries?
  - d) How do imports and exports of goods and services affect the GDP and GNI?
  - e) How does government final consumption expenditure vary across countries, and how does it relate to GDP?
  - f) Which countries have the highest share of government expenditure in relation to their GDP?
  - g) What are the top and bottom countries in terms of GDP growth over the years?
  - h) Do countries with larger populations have higher or lower GDP on average?
- 4) Reference:

Patil, P. (2023, October 9). Global economy indicators. Kaggle.  
<https://www.kaggle.com/datasets/prasad22/global-economy-indicators>