**World Bank Data**

In 2006, Hans Rosling gave a TED talk titled [The best stats you've ever seen](https://www.ted.com/talks/hans_rosling_shows_the_best_stats_you_ve_ever_seen). (Must watch this video before working on the project). At the beginning of the talk, he showed an animation he made to debunk some misconceptions about today's world.  
  
I enjoyed seeing this visualisation and I wanted to reproduce it with the tools you like Python, Pandas, Numpy, Seaborn and Matplotlib.

### **Dataset Information**

* **Life expectancy at birth**: The number of years a newborn would live if the patterns of mortality at the time of birth remain the same throughout his life.
* **Fertility rate**: Number of children a woman would give birth to during her childbearing years.
* **Country population**: Total number of residents regardless of legal status or citizenship (midyear estimates)

Hans Rosling built this animation, after testing his students on global health, he realised that they still thought that the world was divided in two:

* The Western world: low fertility rate and high life expectancy
* The third world: high fertility rate and low life expectancy

We have to build the same animated graph as watched in the video. Before starting with the visualization have to perform the following steps:

1. Load Data
2. Data Overview
3. Handle Missing Values
4. Data Types
5. Merge DataFrames (If required for any visualization)

Visualisations apart from the animated one, consider the below pointers:

1. Population Trends (Years vs Population)(Line Graph)
2. Fertility rate distribution
3. Life expectancy variation
4. Correlation Analysis (optional)
5. Regional Analysis