📃 Power BI Report: World Happiness Report Analysis

🛠️ Tool Used:

- **Microsoft Power BI Desktop**

📌 Objective:

To visualize and analyze global happiness trends using key indicators such as Happiness Score, GDP per Capita, Social Support, Unemployment, Education Index, and more across different countries and years.

📊 Key Visuals & Their Insights:

1. Slicers – Country & Year

- **Allows interactive filtering of data based on selected Countries and Years.**
- **Helps users perform comparative and time-series analysis easily.**

2. Cards

- **Average Happiness Score: 5.46**
- **Top Happy Country: Canada (8.00)**
- **Least Happy Country: Brazil (3.00)**

These cards give a quick glance at overall global happiness trends and outliers.

3. Bar Chart – Top 10 Countries by Happiness Score

- **Displays countries with the highest average happiness scores.**
- **Highlights consistently happier nations like Canada, India, USA, and Germany.**

4. Scatter Chart – GDP per Capita vs Happiness Score

- **Shows the relationship between GDP per Capita and Happiness Score for each country across years.**
- **Observation: Countries with higher GDP often show higher happiness, but not always—indicating other factors matter too.**

5. Map – Happiness Distribution

- **A geo-distribution of Happiness Scores across the world.**
- **Color intensity indicates level of happiness, giving a regional understanding.**

6. Donut Chart – Employment, Unemployment, Education Index by Country

- **Combines multiple socio-economic factors to show a composite national development view.**

- Helps identify how employment and education influence happiness per country.

🔍 Insights:

- Canada ranks the highest in happiness among the countries in this dataset.
- Brazil has the lowest average happiness score.
- Economic wealth (GDP per Capita) generally correlates with happiness but is not the sole factor.
- Education Index and Employment Rate are strong contributors to higher happiness scores.
- Countries with balanced work-life and strong public trust also perform better in happiness metrics.

📎 Report Features:

- Interactive Filtering with slicers
- Comparative Analysis through dynamic visuals
- Geographical Trends with map visual
- Data Summary Cards for at-a-glance KPIs

📤 Conclusion:

This Power BI dashboard provides a multi-dimensional overview of happiness across nations, offering policy makers, NGOs, and global analysts a way to assess and improve human well-being based on economic and social parameters.