Project: World Happiness Report

1. Executive Summary

This dataset is publicly available open-source data from The World Happiness Report that uses global survey data to report how people evaluate their own lives in 150+ countries worldwide.

2. Data Sources

The data for this project is an open source data downloaded from [World Happiness Report | Kaggle](#)

3. Limitation and Ethics

- In this dataset, not every single country was surveyed for the World Happiness Report

- Dealing with missing values is quite challenging, as the data contains a lot of typing errors and unavailable information.

- In terms of ethics, the data does not contain any personal information.

4. Data Cleaning and Data Consistency Checks

- Consolidated the 3 CSV files into 1 CSV file

- Remove unnecessary columns and Change the order of columns

- Removed blank lines and checked for missing data

- Check for duplicate data

- Check for mixed data type

5. Data Profile

Number of rows and columns in the cleaned dataset: 1228 rows × 11 columns

Columns	Column Description	Data Type	Time Varient
Country Rank	The Ranking of country according to the Happiness Score	Qualitative	No
Year	The year of survey	Quantitative	Yes
Country	The name of country surveyed.	Nominal	No
Region	The region where the country is located.	Nominal	No
Happiness Score	This is obtained from a sample of population. The survey-taker asked the respondent to rate their happiness from 1 to 10.	Quantitative	Yes
Economy (GDP per Capita)	Extend of GDP that contributes to the happiness score	Quantitative	Yes
Family (Social Support)	To what extend does family contribute to the happiness score	Quantitative	Yes
Health (Life Expectancy)	Extend of health (life expectancy) contribute to the happiness score	Quantitative	Yes
Freedom (Life Choices)	Extend of freedom that contribute to happiness. The freedom here represents the freedom of speech, freedom to pursue what we want, etc	Quantitative	Yes
Trust (Government Corruption)	Extend of trust with regards to government corruption that contribute to happiness score	Quantitative	Yes
Generosity (Donations to Charity)	Extend of generosity that contribute to happiness score	Quantitative	Yes

6. Questions to Explore

- Which countries are on the Top 10 Happiness Countries list?
- Which countries are on the Top 10 Progressive Countries list?
- Which factor affects people's happiness the most?
- Which regression model is the best to predict the happiness scores?
- Which classification model is the best to predict happiness levels?