

WORLD HAPPINESS REPORT



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Introduction

The World Happiness Report is an annual landmark survey that ranks countries by how happy their citizens feel, based on an extensive set of metrics. The data is compiled from reliable international sources and draws on “Gallup world poll data, using the cantril ladder to rate life satisfaction.



DYSTOPIA RESIDUAL

Dystopia is a hypothetical country consisting of the least happy people. It was formed so as to create a benchmark to compare Happiness Scores of other countries with it.

The difference between the prediction and the actual value is called the Residual.



DATA DICTIONARY

Column Name	Data Type	Description
Country	String	Name of the country.
Region	String	The broader geographical or political region the country belongs to.
Happiness Rank	Integer	Rank of the country based on its happiness score (1 = happiest).
Happiness Score	Float	Overall happiness score calculated based on various contributing factors.
Standard Error	Float	Margin of error in the happiness score measurement.
Economy	Float	Contribution of the country's economy (GDP per capita) to the happiness score.
Family	Float	Contribution of family/social support to the happiness score.
Health	Float	Contribution of healthy life expectancy to the happiness score.
Freedom	Float	Contribution of perceived freedom to make life choices.
Trust	Float	Contribution of perceived absence of corruption in government.
Generosity	Float	Contribution of generosity (e.g., charitable donations).
Dystopia Residual	Float	The unexplained component of the happiness score (acts as a baseline value).

KEY PERFORMANCE INDICATORS (KPI's)

1. **Happiness Score** – The main measure of each country's happiness based on several factors.
2. **Happiness Rank** – The overall ranking by happiness score.
3. **GDP per Capita** – The country's wealth or economic prosperity per person.
4. **Health (Life Expectancy)** – How long people tend to live healthily on average.
5. **Family/Social Support** – The typical support individuals report from family and friends.

why ?

Comprehensive Global Coverage – The 2015 World Happiness Report includes data from 158 countries, providing a diverse and well-balanced snapshot of global well-being and life satisfaction.

Country-Level Insights – The dataset offers detailed, country-specific metrics, allowing direct comparisons between nations and enabling analysis of regional differences in happiness and contributing factors.

Happiness Factors – It captures multiple dimensions influencing happiness such as trust, generosity, economy, health, and social support allowing a holistic understanding of what drives human well-being.

Economic Relationships – The data enables analysis of how economic indicators like GDP per capita relate to subjective measures of life satisfaction, revealing deeper insights into national development and happiness.

Potential for Trend – It provides opportunities to identify global patterns, discover top-performing countries, and analyze how different cultural or regional contexts contribute to happiness levels

NEXT STEP

- Analyze specific countries to understand how economic and social trust scores influence overall happiness.
- Compare top 10 and bottom 10 ranked countries to uncover patterns in trust, generosity, or health.
- Use analytics tools to project how changes in one factor (e.g., economy) could affect happiness scores.
- Present policy level recommendations for instance, improving public trust or access to healthcare could raise a country's happiness ranking

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**THANK
YOU.**