

WORLD HAPPINESS REPORT-2025

1. What is log GDP per capita?

Log GDP per capita is the logarithm of a country's Gross Domestic Product (GDP) per person

2. FORMULA:

Calculate GDP per Capita: Divide the GDP by the population.

$$\text{GDP per capita} = \text{Real GDP} / \text{Population}$$

Apply the Logarithm: Take the natural logarithm (ln) or another base logarithm of the resulting GDP per capita value.

$$\ln(\text{GDP per capita}) = \ln(\text{GDP} / \text{Population})$$

3. Define Dystopia +Residual?

The measure of Dystopia's contribution in the calculation of happiness score. The Dystopia Residual metric actually is the sum of Dystopia Happiness Score 1.85 and the Residual value or the unexplained value for each country which is approximately 0 when we consider the whole set of countries

FORMULA:

$\text{Dystopia} + \text{residual} = \text{Country's actual happiness score} - \text{Sum of happiness scores explained by the six factors.}$

4. What is social support?

To measure social support, the Gallup World Poll asks respondents: "If you were in trouble, do you have relatives or friends you can count on to help you whenever you need them, or not?".

5. How to calculate health life expectancy?

The contribution of healthy life expectancy (HLE) to a country's overall happiness score is calculated using data from the World

Health Organization (WHO) and a hypothetical baseline called "Dystopia"

6. how to calculate freedom to make life choices

In the World Happiness Report, the "freedom to make life choices" is measured using a single question from the Gallup World Poll. The responses are averaged to represent each country's score for this indicator.

7. What is generosity?

The generosity variable is calculated as the residual of a regression. This method adjusts a country's average donation rate based on its wealth to isolate a generosity score that is independent of income.

8. How to calculate perceptions of corruption?

The national average of binary responses to two Gallup World Poll (GWP) questions: "Is corruption widespread throughout the government?" and "Is corruption widespread within businesses."

Example: A respondent answers "Yes" to the government corruption question (1) and "No" to the business corruption question (0). Their perception is $(1 + 0) / 2 = 0.5$.