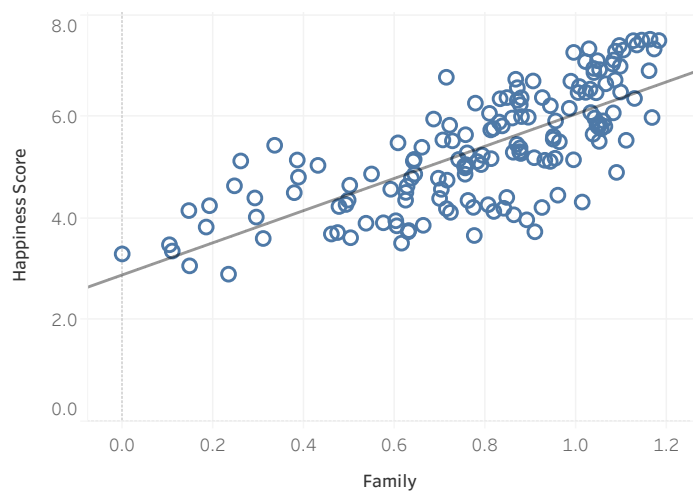# Visual Analysis of Human Development Indicators and National Well-Being

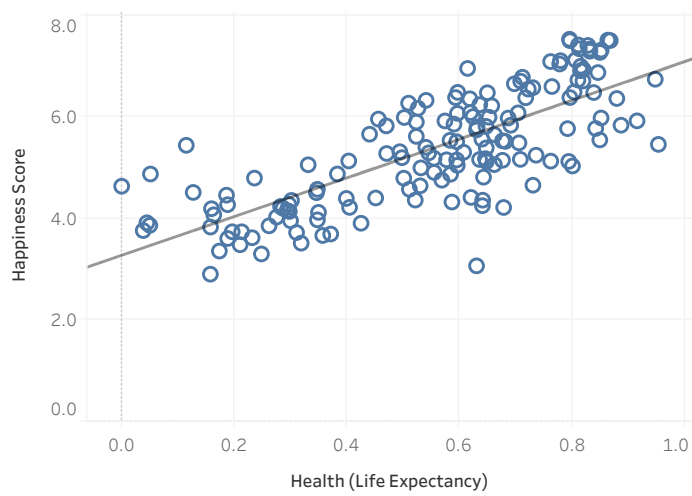By

Israel Alabi

Inspiration: Just the Data - World Happiness by Google Career Certificates
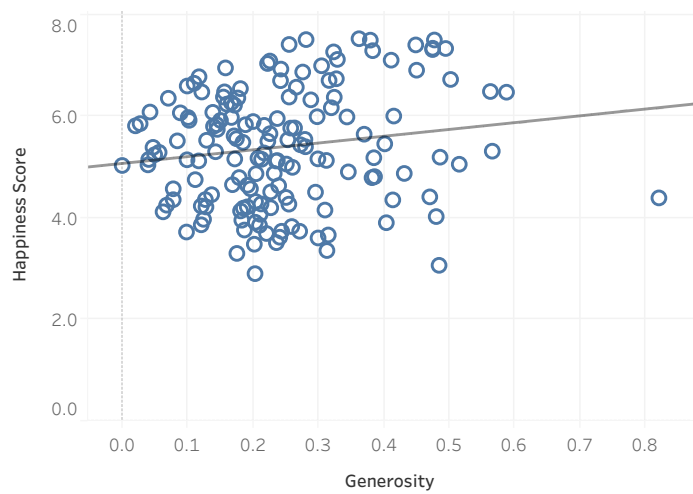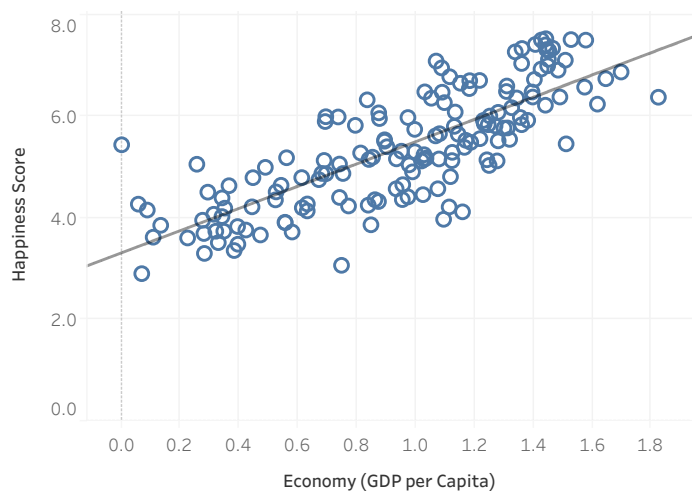
Family

Health

Generosity

Economy

📊 Description

A visual and statistical analysis of global well-being indicators. This analysis aimed to explore the relationship between national development metrics, such as GDP per capita, health (life expectancy), generosity, and family support, and a country's overall happiness score.

Using a publicly available global dataset (World Happiness Report), I performed exploratory data analysis and built scatterplots to visualize the relationships between happiness score and four independent variables:

1. Family Support (Social Networks)

2. Health (Life Expectancy)

3. Generosity

4. Economy (GDP per Capita)

Each scatterplot illustrates how variation in these dimensions contributes to changes in national happiness scores.

📈 Results and Interpretation

Health (Life Expectancy) and Economy (GDP per Capita) showed the strongest positive relationships with happiness scores, validating the role of basic public services and economic opportunity in well-being.

Family Support also showed a consistent but moderately weaker relationship, suggesting its supporting role in national satisfaction.

Generosity, while socially important, appeared to have the least direct influence in this dataset, suggesting cultural or contextual variability in how this factor is measured or experienced.