Team Project Proposal

Introduction and Background

The United Nations releases a World Happiness Report every March 20th, the International Day of Happiness. The report has gained continual recognition among governments and organization that view the data as a way of assessing the progress of their nation. The data in this report is obtained via the Gallup World Poll which scores the respondents happiness on a scale from 0, being the worst, to 10, being the best. The Gallup World Poll uses the happiness score to estimate the extent to which economic production, social support, life expectancy, freedom, absence of corruption and generosity contribute to why some countries may rank higher than others.

Objective

We will organize the dataset to determine what impact the six factors described above have on a population’s happiness. We will analyze how the changes in happiness scores correlate with the six factors within a country. We will study the top-ranking countries over the years of data and note if any country or region had an unanticipated climb or fall within the ranks. In studying these trends, we hope to form a better understanding of what makes a population happy and what factors contribute the most to happiness.

Project Activities

We will first begin our study by analyzing how the six factors correlate with a country’s happiness score and determining which factors contribute the most to happiness. This will help determine if any factors contribute more towards the happiness of a region than others. We will also look for trends in the impact of the factors over the 2015-2019 dataset to predict what factors will continue to have a greater contribution towards happiness. We shall also study the change in ranking among the top ranked countries/regions noting countries that remain amongst the happiest. We will also note any countries that make a large leap in ranking either up or down and determine what factors may have led to this change.

Findings

By forming a better understanding of this data, we intend to create a better understanding on what major factors cause a country happiness rank to change between 2015-2019. We also want to determine if any countries had significant change in rank over the timeframe. We will also look at which counties rank highest in the world in overall happiness and how the six factors of economic production, social support, life expectancy, freedom, absence of corruption and generosity correlate with this score.

Reference:

https://www.kaggle.com/unsdsn/world-happiness/