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What Makes The World Happy

A study of the factors that lead to happiness around the world.

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# Introduction

For our report, we have decided to study the data put out by the Sustainable Development solutions Network on the website Kaggle that measures each country’s overall happiness. The data is sourced from the Gallup World Poll. The data covers the time span of 2015 to 2019.

We intend to use this data to study what factors have the largest impact on increasing and decreasing happiness for a country. Along with examining the changes in ranking for the countries throughout the years.

# Abstract

[Placeholder]

# Methods

Initially, the data we were working with needed some slight modifications. Many variable names were different despite being the same type. Therefore, opted to go through the data and make all variable names we planned to use homogenous in naming to make studying and calculating them easier.

In addition to making the variable names homogenous, there were other issues with the data. Chiefly that certain years had variables that others did not contain. To make our study and experiments as accurate as possible, we opted to only focus on the main attributes that every year possessed.

There were 6 main variables that we examined for each year’s data:

* GDP: A measure of that country’s gross domestic product; their monetary power
* Social Help/Welfare: A measure of how much assistance a country provides its inhabitants in need.
* Health: A measure of the overall health of a country’s inhabitants.
* Freedom: A measure of to what degree a country’s inhabitants feel they are free.
* Generosity: A measure of how generous a country is to other countries from the perspective of its inhabitants.
* Perceived Corruption: A measure of to what degree a country’s inhabitants feel their governing body is corrupt.

The 7th variable is Happiness Score. A score calculated based on the aforementioned 6 variables. It is used to get an idea of the total happiness of a country. In addition, each year’s data also includes a ranking. This ranking variable is based on that country’s Happiness Score versus every other country’s Happiness Score. With rank 1 being the highest happiness, and descending ranks having smaller Happiness Scores.

# Results

# Discussion

# Conclusion