WHR

World Happiness Report

COMP3125 - Individual Project: World Happiness Report 2011 - 2024

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Introduction

The goal of this project is to answer four key research questions using python based data analysis. The hope is to more fully understand the factors that go into happiness on a country by country basis so that we as people can focus on things that more readily improve the lives of those around us and in our nations.

The questions I will be answering for this assignment are as follows:

A) what impact does GDP have on happiness levels?

B) Do a country's main industries impact happiness?

C) What is the impact of the government system of a nation on happiness?

D) What is the impact of perceived government corruption on happiness?

Dataset

The dataset I will use for my analysis is the World Happiness Reports findings from 2011-2024. This dataset is very well put together and required no major cleaning other than converting it into a .CSV file for easy manipulation.

The organization the compiles the WHR describes themselves as follows:

"The World Happiness Report is published by the Wellbeing Research Centre at the University of Oxford, in partnership with Gallup, the UN Sustainable Development Solutions Network and an independent editorial board." (https://www.worldhappiness.report/about/)

Methodology

My methodology includes the use of Python alongside the MatPlotLib, pandas, & numpy libraries for dataset manipulation and visualization.

I will be using a **Linear Regression** model as it is most suitable for this kind of point based linear data.

4. Results

Firstly it is important to display the rankings of the most happy to least happy countries. There are 147 countries on the list, Including some nations such as the Republic of China (Taiwan) and Kosovo who do not have universal recognition.

{INSERT LATEST 2024 RANKINGS}

Now we can move on to the questions being answered by this report.

A) what impact does GDP have on happiness levels?

TBD

B) Do a country's main industries impact happiness?

TBD

C) What is the impact of the government system of a nation on happiness?

TBD

D) What is the impact of perceived government corruption on happiness?

TBD

5. Conclusion

In conclusion it is clear that … TBD