

At The End Of Happy Hour!

Project 1

Description/Outline

What factors and correlations play a role in the happiness of alcohol consumers?

Team members

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Questions to answer

- What country is the happiest?
- Which country drinks the most/least? (spirit,wine,beer) top5/bottom5
Potential poll to see which category is the most/least popular?
- Is there a relationship between gdp and their happiness? Scatter plot
- Is there a relationship between gdp vs.choice of alcohol?

Things to consider

- Weather- warm/cold climates
- Economic data per capita income
 - Is there a relationship?

Potential Data sets

Happiness and Alcohol Consumption

<https://www.kaggle.com/datasets/marcospessotto/happiness-and-alcohol-consumption>

Ranking of the alcohol consumption per capita by country 2020

<https://www.statista.com/forecasts/1148811/per-capita-alcohol-consumption-by-country>

Total Alcohol Consumption

<https://www.kaggle.com/datasets/prondeau/total-alcohol-consumption>

Tasks

- Merge the data sets
- Clean the data frame
- Make comments and provide the next steps
- Answering the Questions
 - Which country drinks the most?
 - Top 5 to 10 : Bar graph
 - Bottom 5 to 10 : Bar Graph
- What are they Drinking Specifically?
 - Top 5 to 10 : Stacked bar
 - Bottom 5 to 10 : stacked bar
- Countries who drink the most based on category
 - Scatter plot based on all of the countries
- Income vs. happiness index based on all countries
 - Bar graph/ scatter plot
- Income based on choice of alcohol?
 - Graph: pending

Written Analysis:

While alcohol consumption is recognized worldwide, our group wanted to find the correlation of alcohol consumption in comparison to happiness. Based on 112 countries that participated in a survey we were able to find the top five happiest countries and the bottom 5 least happiest countries from a happiness scale that asked participants to provide a rating. The happiness score is based on a scale from 0 to 10 with 10 being the happiest. In our analysis our team was able to discover that Denmark, Switzerland, Iceland, Norway and Finland were the top 5 happiest countries. With the scores ranging from 7.5 to 7.4, there were close approximations of scores that showed us how close in ranking each country was towards each other.

Simultaneously, we discovered that the bottom 5 least happiest countries were Madagascar, Tanzania, Liberia, Benin and Togo. The scores from these countries were also close in range from each other ranging from 3.6 to 3.3. Some similarities between the top and bottom 5 showed that the top 5 countries are all within a high income level based on an income group while the bottom 5 were within the low income level.

Once we discovered which countries were within the top and bottom 5 categories we wanted to know which type of alcohol was consumed the most and least, given the types to be beer, wine and spirit. The data showed that Finland had the highest consumption for beer followed by spirit and Switzerland has the highest rate for wine. As for the bottom 5, Tanzania and Togo were equivalent with the highest consumption rate of beer. Liberia consumed the most spirits while Togo took the lead in wine. Since Finland took the lead in beer and spirit, beer was the least popular choice in Norway while Iceland consumed the least amount of

spirits and wine. As for the bottom 5, Liberia considered beer to be an unpopular choice. The least amount of spirits consumed was by Togo and wine being disliked by Tanzania. On average the alcohol that was most consumed throughout the entire data showed that beer was the most popular type with spirit and wine to follow.