# Project # 1 – Does Alcohol Consumption make People Happier?

Team # 5 Members:

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Project Description / Overview:

An analysis of the results from Happiness and Alcohol Consumption and the World Happiness Report. We are accessing alcohol consumption versus happiness and other social indexes. Alcohol consumption can be analyzed across 3 categories, Beer per capita, Spirit per Capita and Wine per Capita. Depending on how the other questions go we can also look at how other factors (Family, Life Expectancy, Freedom, Generosity, Trust Government Corruption) contribute in evaluating the happiness and consumption in each country.

Research Questions to Answer:

* Does alcohol consumption impact Happiness?
* Does the type of alcohol consumed impact Happiness?
* Do happier countries drink more than unhappier countries?
* What is the relationship between Alcohol consumption and HDI (Human Development Index)?

Datasets Pulled from Kaggle:

World Happiness Report[**https://www.kaggle.com/unsdsn/world-happiness?select=2018.csv**](https://www.kaggle.com/unsdsn/world-happiness?select=2018.csv)

World Health Organization [**https://apps.who.int/gho/data/view.main.52395**](https://apps.who.int/gho/data/view.main.52395)

Rough Breakdown of Tasks:

Get the data – Team

Create Repo – Team

Upload to Repo – Team

Clearly define indexes and conversions - Team

Read the Data into Jupyter - Beau

Clean Data - Laura

Merge Data - Nick

Apply necessary measures/calculations - Stephanie

Compile Summary Statistics – Laura

Graphs:

* Consumption Bar Chart Beau
* Scatter Plot alcohol types consumed - Apply Linear Regression (1 per type) - Nick
* Pie Chart comparison of alcohol totals -Stephanie
* Heat Map of consumption by Country - Stephanie

PowerPoint Presentation – Team Broken out as needed after analysis is completed

Presenter - Team