Sinéad Dunne

s\_dunne1@hotmail.com

UCD Certificate in Introductory Data Analytics

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Description automatically generated

Global Alcohol Consumption

Project Report

# GitHub URL: <https://github.com/sdunne1/UCDPA_SineadDunne>

# Abstract

<<Give a short overview of the entire project and features>>

# Introduction

<<Explain why you chose this project use case>

Limitations:

* Data set was published in 2010
* Not a full list of all countries in the world
* Dataset only contains three types of alcohol, and globally there are many more.
* Possible skewed figures from countries where Islam is the predominant religion.

# Dataset

<<Provide a description of your dataset and source. Also justify why you chose this source>>

# Implementation Process

<<Describe your entire process in detail>>

# Results

<<Include the charts and describe them>>

With more time, I would have revisited WHO website to pull latest data available. This would have allowed me to showcase with visualisations, the increases and reductions in each type of alcohol by country, and by continent.

# Insights

<<Point out at least 5 insights in bullet points>>

# References

|  |  |
| --- | --- |
| **KAGGLE** | <https://www.kaggle.com/codebreaker619/alcohol-comsumption-around-the-world> |
| **FIVETHIRTYEIGHT** | <https://fivethirtyeight.com/features/dear-mona-followup-where-do-people-drink-the-most-beer-wine-and-spirits/> |
| **DATACAMP** | <https://learn.datacamp.com/custom-tracks/custom-certificate-in-introductory-data-analytics-6859d143-be7b-49e0-ad09-007f207ad33c> |
| **PYTHON DOCS** | <https://docs.python.org/3/> |
| **PANDAS DOCS** | <https://pandas.pydata.org/docs/> |

Visualisations:

* Most popular of each drink in each continent; of the three listed
* Average serving of each alcohol per person, by continent

Insights:

* Top 10 countries for total volume
* Biggest wine drinkers outside of Europe (group by continent)[‘total litres’].sum()
* Biggest spirit drinkers outside of Asia

Create list of dictionaries – continents, that contains all continents and countries