Assignment 2 – Alcohol Consumption

This dataset shows the average serving sizes of different kinds of alcohol per person for each country in the world. The data was collected using government records, statistics from the alcohol industry and the United Nation's Food and Agruculture Organization databased. By analyzing this dataset, we can observe the trend of alcohol assumption across the world.

The data is saved as a CSV file, in which the data are separated by commas.

Read data:

Data Cleaning

##

#data cleaning, some of the countries in this dataset are prohibited to drink legal w library(dplyr)

```
##
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
```

```
## filter, lag

## The following objects are masked from 'package:base':
##

## intersect, setdiff, setequal, union

allowed_countries <- c("Monaco", "San Marino", "North Korea") ## source:https://en.wik
drinks_legal <- drinks %>% filter (!(rowSums(select(., beer_servings, spirit_servings)));
summary(drinks_legal)
```

```
→
```

```
##
     country
                      beer_servings spirit_servings
                                                    wine_servings
   Length:183
                      Min. : 0
##
                                   Min. : 0.00
                                                    Min. : 0.00
   Class :character
                      1st Qu.: 25
                                   1st Qu.: 8.00
                                                    1st Qu.: 1.50
##
   Mode :character
                      Median : 78
                                   Median : 63.00
                                                    Median: 9.00
##
                                   Mean : 85.42
                      Mean :112
                                                    Mean : 52.15
##
                      3rd Qu.:193
                                   3rd Qu.:132.50
                                                    3rd Qu.: 72.00
##
                                                    Max. :370.00
##
                      Max.
                            :376
                                   Max. :438.00
## total_litres_of_pure_alcohol
## Min. : 0.000
## 1st Qu.: 1.600
## Median : 4.700
## Mean
         : 4.975
## 3rd Qu.: 7.450
## Max. :14.400
rowcount <- nrow(drinks_legal)</pre>
colcount <- ncol(drinks_legal)</pre>
```

This dataframe has 183 rows and 5 columns. The names of the columns and a brief description of each are in the table below:

)

```
kable(column_info, col.names = c("Column Name", "Description"), caption = "Descriptio"
```

Column Name	Description
country	Name of the country
beer_servings	Average size of beer servings per person per year
spirit_servings	Average size of spirit servings per person per year
wine_servings	Average size of wine servings per person per year
total_litres_of_pure_alcohol	Total litres of pure alcohol consumed per person per year

Description of dataset columns

```
##Summary stats
subset_drinks <- drinks_legal %>%
         select(country, beer_servings, wine_servings)
summary_stat <- summary(subset_drinks)
print(summary_stat)</pre>
```

```
## country beer_servings wine_servings
## Length:183 Min. : 0 Min. : 0.00
## Class :character 1st Qu.: 25 1st Qu.: 1.50
## Mode :character Median : 78 Median : 9.00
## Mean :112 Mean : 52.15
## 3rd Qu.:193 3rd Qu.: 72.00
## Max. :376 Max. :370.00
```