## Data Generation

## 2023-07-21

```
world_hap <- read.csv("world_happiness_2016.csv")
world_hap2 <- world_hap[,c(-5,-6)]</pre>
```

Deleting the irrelevant attributes from the dataframe that we will not be using.

Adding an observation to our dataset.

```
world_hap4 <- world_hap3[c(-133),]</pre>
```

Deleting a specific observation that does not have a value for one of our predictors.

```
world_hap5 <- world_hap4[c(-140),]</pre>
```

```
world_hap6 <- world_hap5</pre>
```

```
#Western Europe, Central and Eastern Europe -> Europe
world_hap6$Region <- ifelse(world_hap6$Region == "Western Europe" |</pre>
                              world_hap6$Region == "Central and Eastern Europe",
                             "Europe", world_hap6$Region)
#Eastern Asia, Southeastern Asia, Southern Asia -> Asia
world_hap6$Region <- ifelse(world_hap6$Region == "Eastern Asia" |</pre>
                              world_hap6$Region == "Southeastern Asia" |
                              world_hap6$Region == "Southern Asia", "Asia",
                            world_hap6$Region)
world_hap6$Region <- ifelse(world_hap6$Region == "Australia and New Zealand",
                            "Oceania", world_hap6$Region)
#Middle East and Northern Africa, Sub-Saharan Africa -> Africa and Middle East
world_hap6$Region <- ifelse(world_hap6$Region == "Middle East and Northern Africa"
                             | world_hap6$Region == "Sub-Saharan Africa",
                            "Africa and Middle East", world_hap6$Region)
#North America, Latin America and Caribbean -> Americas
world_hap6$Region <- ifelse(world_hap6$Region == "North America" |</pre>
                              world hap6$Region == "Latin America and Caribbean"
                             , "Americas", world_hap6$Region)
```

This part will be explained in the diagnosis section of the project. This is here to be able to create our response variable.