Human Freedom Index and Suicides Project

Part 2: Data Exploration

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November 6, 2021

Contents

```r
library(readr)
library(dplyr)
library(tidyr)
library(ggplot2)
```

Load datasets into R

```r
suicides <- read_csv("../data/suicide_rates.csv")
hfi <- read_csv("../data/hfi_cc_2018.csv")
```

Explore Suicides dataset

```r
print(summary(suicides))
```

```
##    country               year          sex                 age
##  Length:27820       Min.   :1985   Length:27820       Length:27820
##  Class :character   1st Qu.:1995   Class :character   Class :character
##  Mode  :character   Median :2002   Mode  :character   Mode  :character
##                     Mean   :2001
##                     3rd Qu.:2008
##                     Max.   :2016
##
##    suicides_no       population     suicides/100k pop country-year
##  Min.   :    0   Min.   :     278   Min.   :  0.00    Length:27820
##  1st Qu.:    3   1st Qu.:   97498   1st Qu.:  0.92    Class :character
##  Median :   25   Median :  430150   Median :  5.99    Mode  :character
##  Mean   :  243   Mean   : 1844794   Mean   : 12.82
##  3rd Qu.:  131   3rd Qu.: 1486143   3rd Qu.: 16.62
##  Max.   :22338   Max.   :43805214   Max.   :224.97
##
##   HDI for year    gdp_for_year ($)   gdp_per_capita ($)  generation
##  Min.   :0        Min.   :4.69e+07   Min.   :   251      Length:27820
##  1st Qu.:1        1st Qu.:8.99e+09   1st Qu.:  3447      Class :character
##  Median :1        Median :4.81e+10   Median :  9372      Mode  :character
##  Mean   :1        Mean   :4.46e+11   Mean   : 16866
```

```
##  3rd Qu.:1       3rd Qu.:2.60e+11   3rd Qu.: 24874
##  Max.   :1       Max.   :1.81e+13   Max.   :126352
##  NA's   :19456
```

read_csv("../data/hfi_cc_2018.csv")