JSC370 Midterm Report

2023-02-11

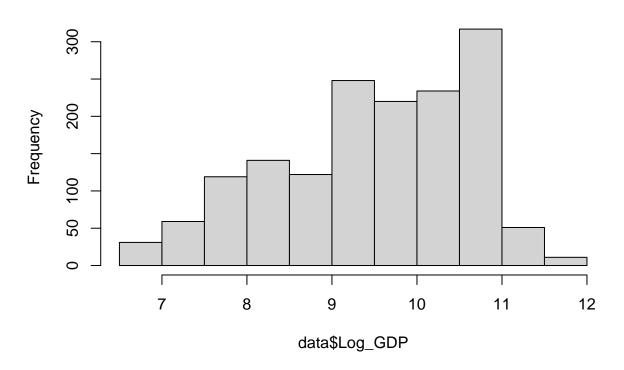
Introduction

```
## # A tibble: 1 x 16
## Country City Jan Feb Mar Apr May Jun Jul Aug Sep
## <chr>
                                                                                                                         <chr> <dbl> 
## 1 United Stat~ Yuma 268. 271. 336. 366. 407. 415. 393. 376. 342. 320.
## # ... with 4 more variables: Nov <dbl>, Dec <dbl>, Year <dbl>, Ref. <chr>
## # A tibble: 1 x 16
## Country City Jan Feb Mar
                                                                                                                                                                                                                                                                                                        Apr May Jun
                                                                                                                                                                                                                                                                                                                                                                                                                                              Jul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Aug Sep
                                                                                                             <chr> <dbl> 
## 1 Faroe Islan~ Tórs~ 14
                                                                                                                                                                                                                   36 71 106 124 125
                                                                                                                                                                                                                                                                                                                                                                                                                                   111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               98 80
## # ... with 4 more variables: Nov <dbl>, Dec <dbl>, Year <dbl>, Ref. <chr>
```

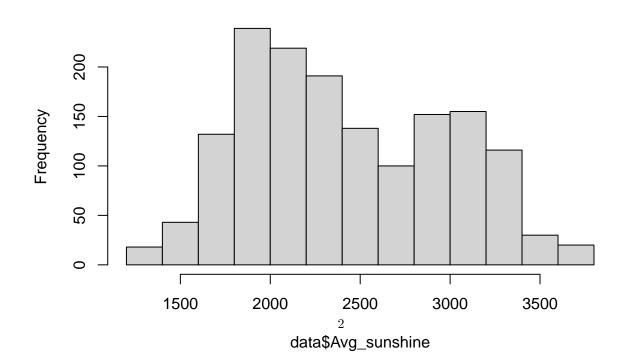
Data Wrangling/Cleaning

EDA histograms to look at distribution

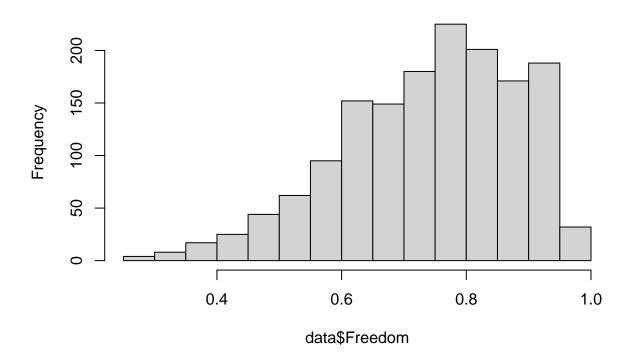
Histogram of data\$Log_GDP



Histogram of data\$Avg_sunshine



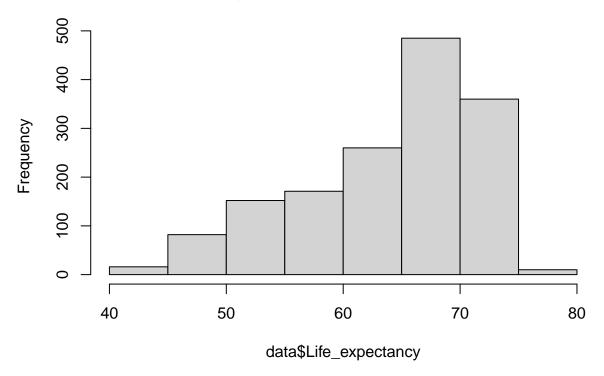
Histogram of data\$Freedom

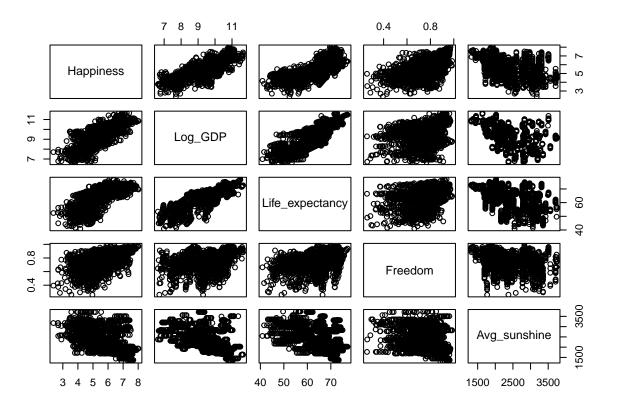


Histogram of data\$Happiness



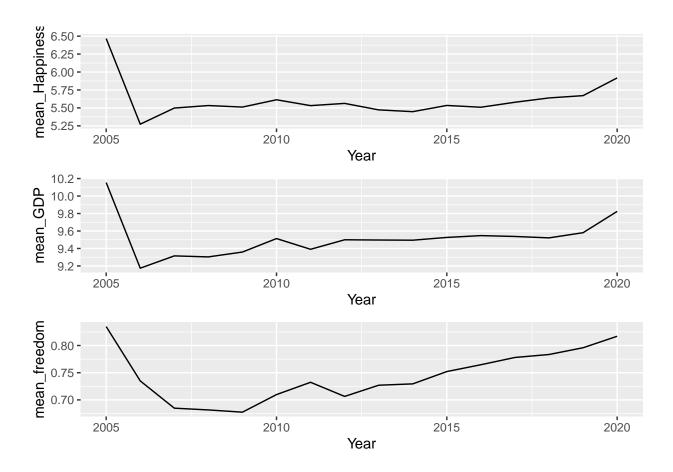
Histogram of data\$Life_expectancy

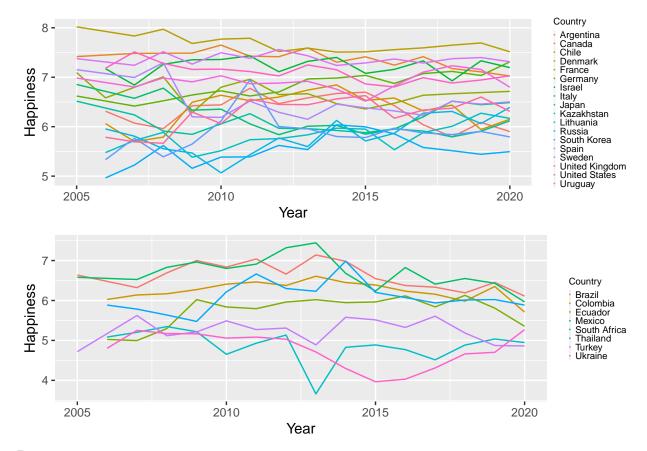




Preliminary Analysis

0. Summary table





Response

No specific trend is observed.

1. For countries with higher mean average happiness at least $\frac{2}{3}$, $\frac{1}{3} - \frac{2}{3}$, less than $\frac{1}{3}$, what are the distribution for the three variables?

