Proposal Project

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For this project, I propose to develop an analysis and relationship among the worked time by people through the years with the quality life level and happinnes in different countries. To perform the project, I obtained different datasets which contain information about hours work per week in different years and happiness score per country (with more interesting features).

As a small proof of this interesting topic, I plotted the worked hours through the time.

https://www.kaggle.com/orhankaramancode/city-quality-of-life-dataset?select=uaScoresDataFrame.csv

```
dataProject <-readr::read_csv('horasTrabajadasEuropa.csv')
```

```
##
## -- Column specification --------------------------------------------------------
## cols(
##   LOCATION = col_character(),
##   INDICATOR = col_character(),
##   SUBJECT = col_character(),
##   MEASURE = col_character(),
##   FREQUENCY = col_character(),
##   TIME = col_double(),
##   Value = col_double(),
##   `Flag Codes` = col_logical()
## )
```

```
dataProject2 <-readr::read_csv('uaScoresDataFrame.csv')
```

```
## Warning: Missing column names filled in: 'X1' [1]
```

```
##
## -- Column specification --------------------------------------------------------
## cols(
##   .default = col_double(),
##   UA_Name = col_character(),
##   UA_Country = col_character(),
##   UA_Continent = col_character()
## )
## i Use `spec()` for the full column specifications.
```

```
dataProject3 <-readr::read_csv('world-happiness-report.csv')
```

```
##
## -- Column specification --------------------------------------------------------
## cols(
##   `Country name` = col_character(),
##   year = col_double(),
##   `Life Ladder` = col_double(),
##   `Log GDP per capita` = col_double(),
##   `Social support` = col_double(),
##   `Healthy life expectancy at birth` = col_double(),
##   `Freedom to make life choices` = col_double(),
##   Generosity = col_double(),
##   `Perceptions of corruption` = col_double(),
##   `Positive affect` = col_double(),
##   `Negative affect` = col_double()
## )
```

```
dataProject4 <-readr::read_csv('world-happiness-report-2021.csv')
```

```
##
## -- Column specification --------------------------------------------------------
## cols(
##   .default = col_double(),
##   `Country name` = col_character(),
##   `Regional indicator` = col_character()
## )
## i Use `spec()` for the full column specifications.
```

```
dataProject5 <-readr::read_csv('2015.csv')
```

```
##
## -- Column specification --------------------------------------------------------
## cols(
##   Country = col_character(),
##   Region = col_character(),
##   `Happiness Rank` = col_double(),
##   `Happiness Score` = col_double(),
##   `Standard Error` = col_double(),
##   `Economy (GDP per Capita)` = col_double(),
##   Family = col_double(),
##   `Health (Life Expectancy)` = col_double(),
##   Freedom = col_double(),
##   `Trust (Government Corruption)` = col_double(),
##   Generosity = col_double(),
##   `Dystopia Residual` = col_double()
## )
```

```
dataProject6 <-readr::read_csv('2016.csv')
```

```
##
## -- Column specification --------------------------------------------------------
## cols(
##   Country = col_character(),
```

```
##   Region = col_character(),
##   `Happiness Rank` = col_double(),
##   `Happiness Score` = col_double(),
##   `Lower Confidence Interval` = col_double(),
##   `Upper Confidence Interval` = col_double(),
##   `Economy (GDP per Capita)` = col_double(),
##   Family = col_double(),
##   `Health (Life Expectancy)` = col_double(),
##   Freedom = col_double(),
##   `Trust (Government Corruption)` = col_double(),
##   Generosity = col_double(),
##   `Dystopia Residual` = col_double()
## )
```

```
dataProject7 <-readr::read_csv('2017.csv')
```

```
##
## -- Column specification --------------------------------------------------------
## cols(
##   Country = col_character(),
##   Happiness.Rank = col_double(),
##   Happiness.Score = col_double(),
##   Whisker.high = col_double(),
##   Whisker.low = col_double(),
##   Economy..GDP.per.Capita. = col_double(),
##   Family = col_double(),
##   Health..Life.Expectancy. = col_double(),
##   Freedom = col_double(),
##   Generosity = col_double(),
##   Trust..Government.Corruption. = col_double(),
##   Dystopia.Residual = col_double()
## )
```

```
dataProject8 <-readr::read_csv('2018.csv')
```

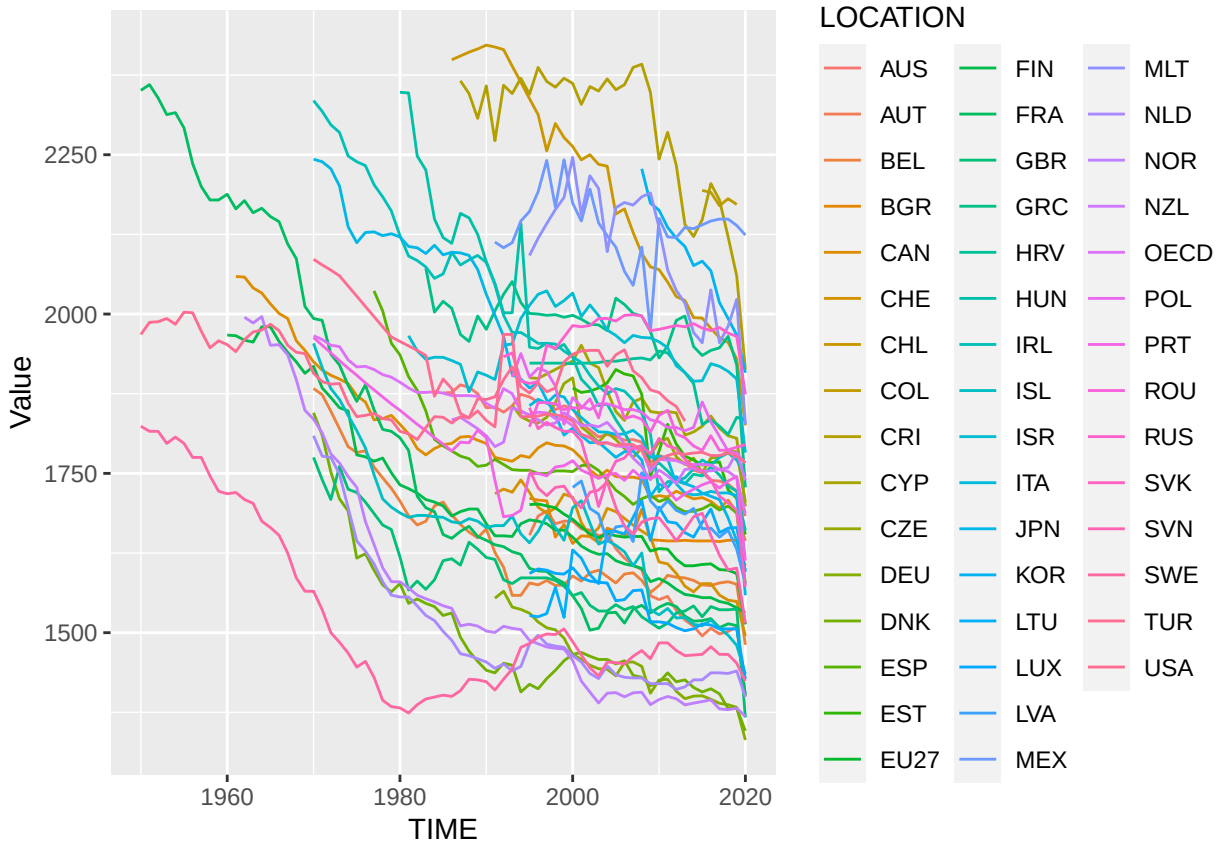
```
##
## -- Column specification --------------------------------------------------------
## cols(
##   `Overall rank` = col_double(),
##   `Country or region` = col_character(),
##   Score = col_double(),
##   `GDP per capita` = col_double(),
##   `Social support` = col_double(),
##   `Healthy life expectancy` = col_double(),
##   `Freedom to make life choices` = col_double(),
##   Generosity = col_double(),
##   `Perceptions of corruption` = col_character()
## )
```

```
dataProject9 <-readr::read_csv('2019.csv')
```

```
##
```

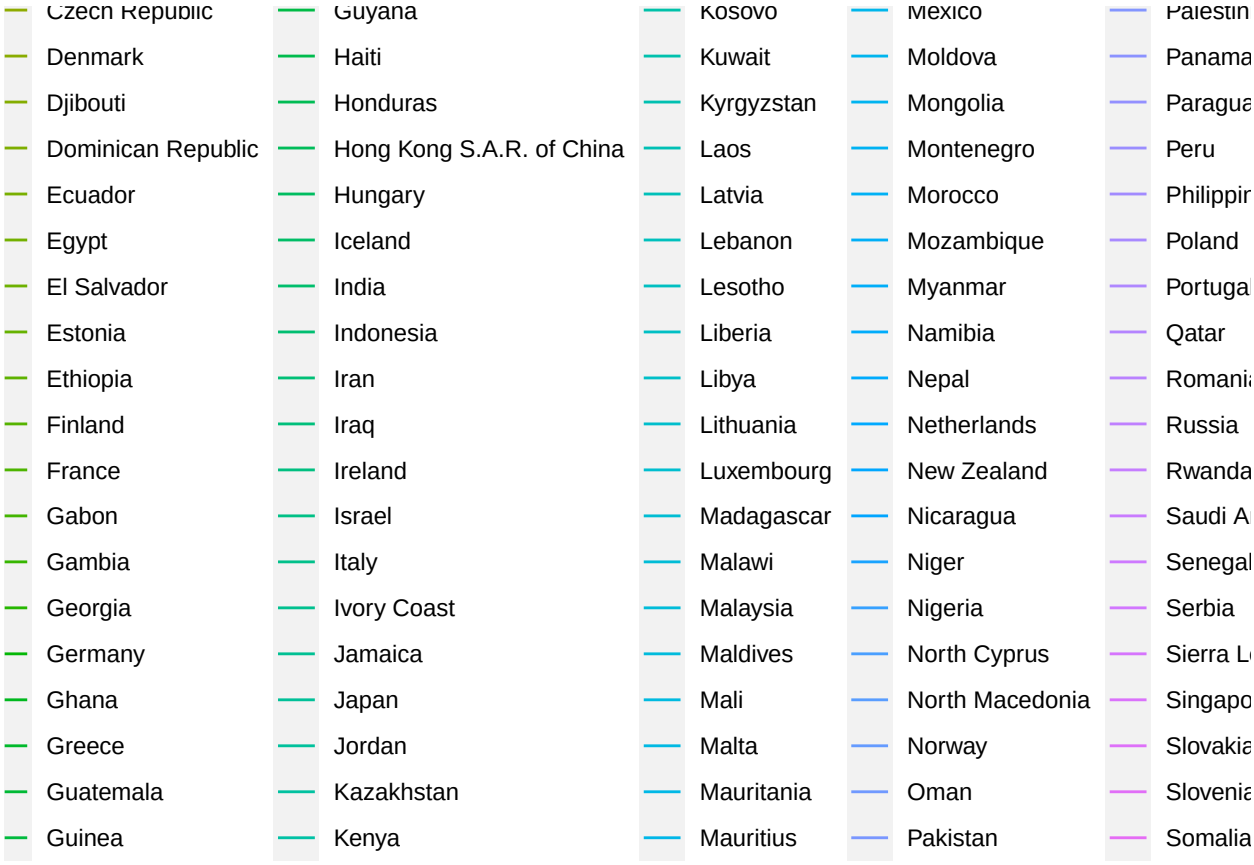
```
## -- Column specification --------------------------------------------------------
## cols(
##   `Overall rank` = col_double(),
##   `Country or region` = col_character(),
##   Score = col_double(),
##   `GDP per capita` = col_double(),
##   `Social support` = col_double(),
##   `Healthy life expectancy` = col_double(),
##   `Freedom to make life choices` = col_double(),
##   Generosity = col_double(),
##   `Perceptions of corruption` = col_double()
## )
```

```
library(ggplot2)
ggplot(dataProject, aes(x = TIME, y = Value), colour =  LOCATION) + geom_line(aes(colour=LOCATION))
```




```
ggplot(dataProject3, aes(x = year, y = `Log GDP per capita`))+geom_line(aes(colour=`Country name`))
```

```
## Warning: Removed 36 row(s) containing missing values (geom_path).
```



R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

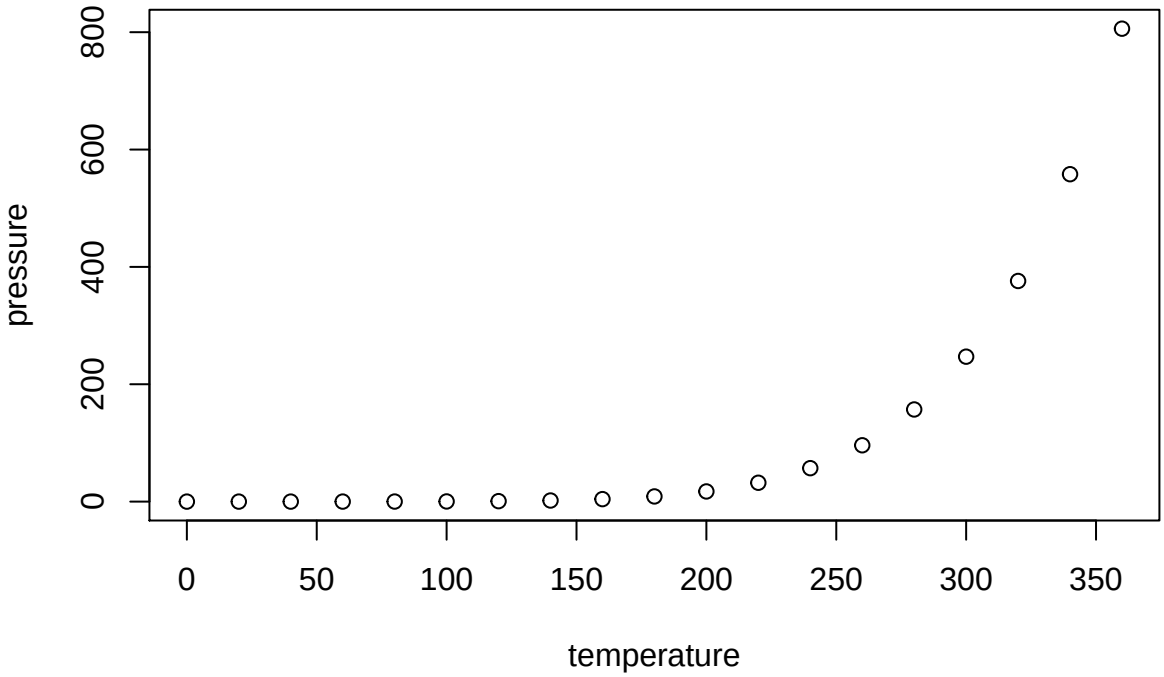
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed           dist       
##  Min.   : 4.0   Min.   :  2.00  
##  1st Qu.:12.0   1st Qu.: 26.00  
##  Median :15.0   Median : 36.00  
##  Mean   :15.4   Mean   : 42.98  
##  3rd Qu.:19.0   3rd Qu.: 56.00  
##  Max.   :25.0   Max.   :120.00
```

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.