

# 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 happiness 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')
```

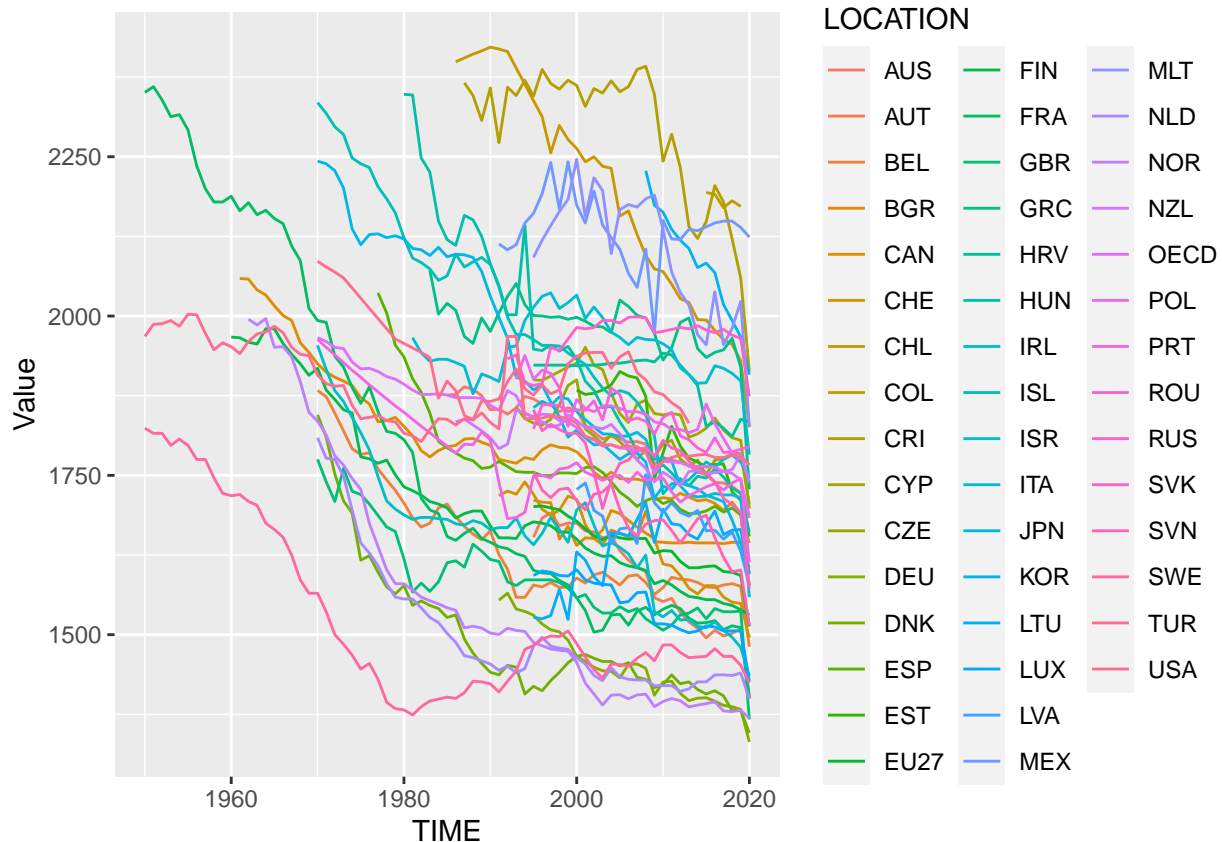
```
##
## -- Column specification -----
## cols(
##   'Overall rank' = col_double(),
##   'Country or region' = col_character(),
##   Score = col_double(),
##   'GDP per capita' = col_double(),
##   'Social support' = col_double(),
##   'Healthy life expectancy' = col_double(),
##   'Freedom to make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

Czech Republic	Guyana	Kosovo	Mexico	Palestine
Denmark	Haiti	Kuwait	Moldova	Panama
Djibouti	Honduras	Kyrgyzstan	Mongolia	Paraguay
Dominican Republic	Hong Kong S.A.R. of China	Laos	Montenegro	Peru
Ecuador	Hungary	Latvia	Morocco	Philippines
Egypt	Iceland	Lebanon	Mozambique	Poland
El Salvador	India	Lesotho	Myanmar	Portugal
Estonia	Indonesia	Liberia	Namibia	Qatar
Ethiopia	Iran	Libya	Nepal	Romania
Finland	Iraq	Lithuania	Netherlands	Russia
France	Ireland	Luxembourg	New Zealand	Rwanda
Gabon	Israel	Madagascar	Nicaragua	Saudi Arabia
Gambia	Italy	Malawi	Niger	Senegal
Georgia	Ivory Coast	Malaysia	Nigeria	Serbia
Germany	Jamaica	Maldives	North Cyprus	Sierra Leone
Ghana	Japan	Mali	North Macedonia	Singapore
Greece	Jordan	Malta	Norway	Slovakia
Guatemala	Kazakhstan	Mauritania	Oman	Slovenia
Guinea	Kenya	Mauritius	Pakistan	Somalia

## 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>.

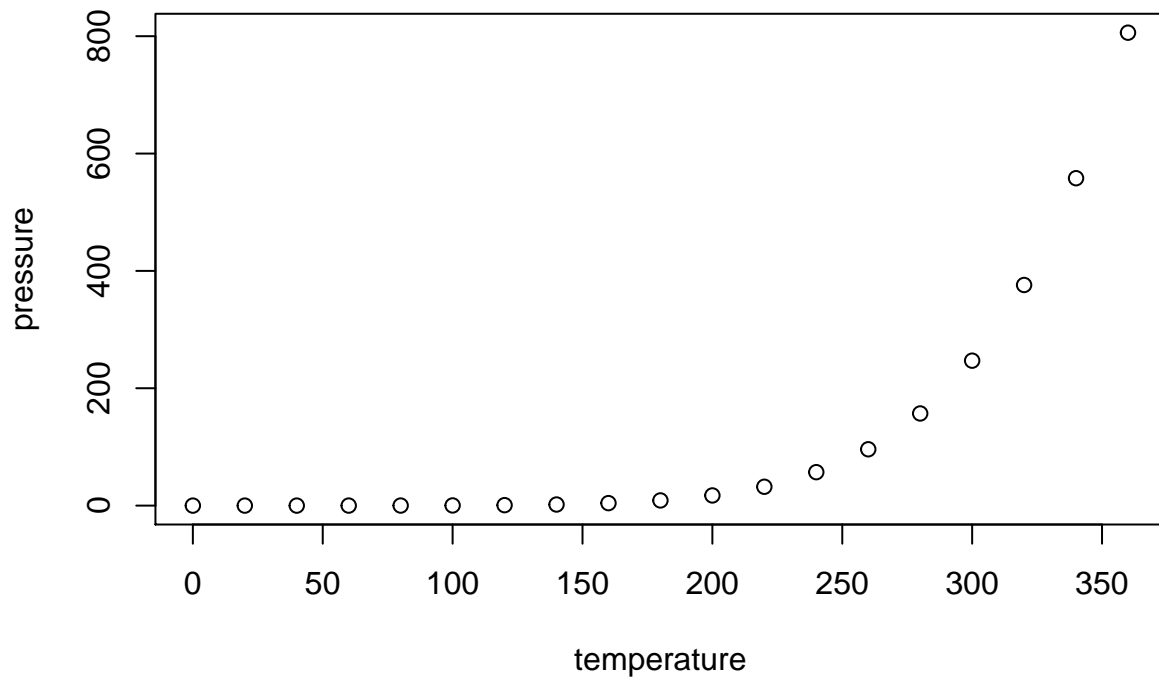
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
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.