Assignment 4: Becoming an Independent Data Scientist:

Index of Happiness Related with Internet usage and PISA scores.

1 Region and Domain

The analysis cover the inter words using statistics and index of most of the Countries of the word.

2 Research Question

We were interested to see the relation of the happiness of a country with:

1. its level of instruction (PISA averages) differences between male and female for the PISA score,
2. The technological distribution using the internet distribution
3. The health/medical status using the Mortality rate, infant (per 1,000 live births)

3 Links

For the analysis 3 different data set have been used:

* PISA stands for "Program for International Student Assessment" and it is applied to 15 year-old students across the world to assess their performance in Math, Reading and Science.

Link to the data set [https://www.kaggle.com/zazueta/pisa-scores-2015/downloads/Pisa%20mean%20performance%20scores%202013%20-%202015%20Definition%20and%20Source.csv](https://www.kaggle.com/zazueta/pisa-scores-2015/downloads/Pisa mean performance scores 2013 - 2015 Definition and Source.csv)

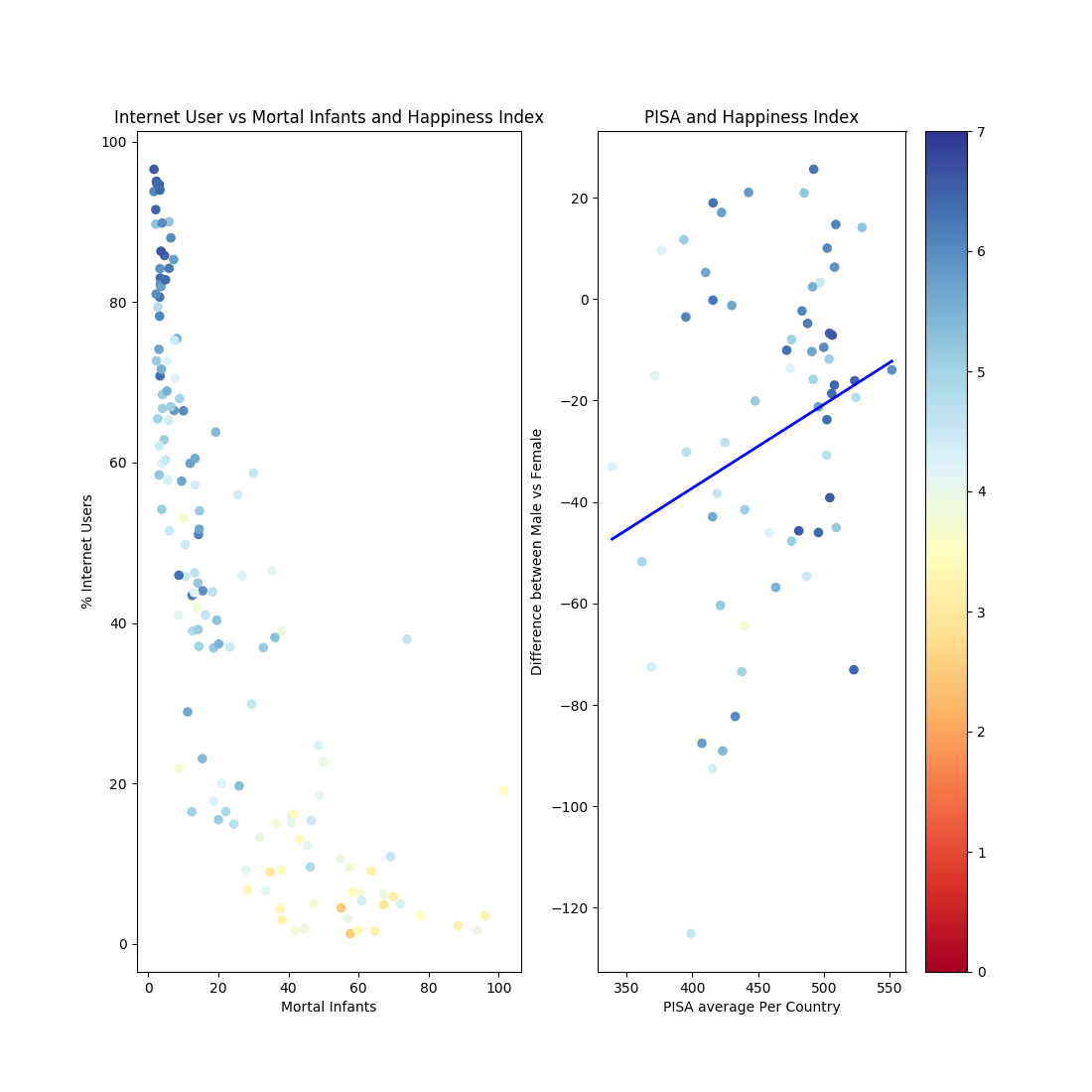
### Reading the Happiness Data-set:

<http://worldhappiness.report/ed/2017/>

* World Bank indicators

https://www.kaggle.com/worldbank/world-development-indicators

4 Image



5 Discussion

The two diagrams show 5 different indexes,

The one on the left has the mortality rate vs %internet users and the color is based on the Happiness index. On the plot can be been the inverted relation between the internet user of a country and the rate of mortality, and in the same time can be seen that most of the countries where the happiness index is low have high mortality rate and low internet usage.

The one of the right show the relation between the Average per Country of the PISA versus the difference of the male and the female. On the graph can be seen that as the average of the level increase the difference of the Male versus Female decrease, in the same time can be seen that the the most of the element on te right are from countries with higher level of happiness.