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| **PROJECT GOALS** |

**Expectations**

The result of this life expectancy should not be interpreted as definitive. Actual longevity is based on many factors, not all of which are captured here. This will ask about your **illness** such as **HIV/AIDS** and **POLIO**, **Age**, **Region,** or **Country** you belong to, consumes **Alcohol** or **Not**, **Education,**and **Income composition.** The results are based on **Statistical Regression**.  This will predict Your Days left until you die.

**Description**

A typical Regression Machine Learning project leverages historical data to predict insights into the future. This problem statement is aimed at predicting the Life Expectancy rate of a country given various features.

Life expectancy is a statistical measure of the average time a human being is expected to live, Life expectancy depends on various factors: Regional variations, Economic Circumstances, Sex Differences, Mental Illnesses, Physical Illnesses, Education, Year of their birth and other demographic factors. This problem statement provides a way to predict average life expectancy of people living in a country when various factors such as year, GDP, education, alcohol intake of people in the country, expenditure on healthcare system and some specific disease-related deaths that happened in the country is given.

**Assumptions**

There is no other illness present other than mentioned in the Project. If anyone is suffering from any other disease then this project will not give results in accordance with other diseases but give results only for those illnesses present in the project.

This Project will show results according to the dataset. It can show some wrong statistics in some extreme conditions.

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| **PROJECTREQUIREMENTS** |

**Functional Requirements:** Prediction tools for Life expectancy.

**Technical Requirements:**

* Python
* Machine Learning
* IBM Cloud
* IBM Watson
* WEB Development

**Software Requirements**

* OS : WINDOWS
* Browser: Google Chrome, Opera
* IDLE (Python 3.8 )
* Jupyter Notebook
* IBM Cloud
* IBM Watson

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| **PROJECT DELIVERABLES** |
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* **Document** – Explaining the project.
* **Project** – A tool to predict life expectancy.
* **Repository** – A GitHub repository with the document, project code and all other required files.
* Node RED Flow Diagram.

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| **PROJECT SCHEDULE** |

* **START DATE** : 19-MAY-2020
* **First Week** - Learn About IBM Services (Cloud and Watson).
* **Second Week** - Making models using python up to the standard required.
* **Third Week** - Making models without using python up to the standard required.
* **Fourth Week** - Refining the projects in order to achieve better results.
* **END DATE** : 19-JUNE-2020