PROJECT PLANNING AND KICKOFF

PROJECT TITLE : Predicting Life Expectancy using Machine Learning
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TSK-35457

PROJECT SUMMARY:

Forming a regression model while considering data from a period of 2000 to 2015 as provided by the World Health Organization (WHO) , to predict the life expectancy of countries.
This study will focus on immunization factors, mortality factors, economic factors, social factors and other health related factors as well.
This project provides way to predict average life expectancy of people living in a country when various factor such as year,gdp,education,alcohol intake of people in a country,expenditure on health care system and some specific desease related deaths that happen in a country are given.
Since the observations this dataset are based on different countries, it will be easier for a country to determine the predicting factor which is contributing to lower value of life expectancy. This will help in suggesting to a country which area should be given importance in order to efficiently improve the life expectancy of its population.

PROJECT REQUIREMENTS:

This project can be very helpful for various governments who wants to calculate the life expectancy in their country and do modifications in health sector accordingly.
It can also be useful for various hospitals and the doctors to predict the life expectancy of patient undergoing with some desease.
It is also very helpful for the pharma companies as it would allow them to predict the cause of deaths accurately and the work in their field accordingly.

This project requires:
1.Datasheet comprising of countries and factors influencing life expectancy.
2.Good knowledge of Machine Learning
3.IBM cloud account
4.Knowledge of tools like IBM Watson and Node-Red

FUNCTIONAL/TECHNICAL REQUIREMENTS:

1.some Knowledge of maths and statistics
2.Machine Learning model based on regression
3.Node-Red application to show the flow of project
4.IBM Watson Studio and Jupyter Notebook

SOFTWARE REQUIREMENTS:

1.Jupyter notebook for developing python codes
2.Git tool
3.IBM cloud
4.IBM Watson Studio
5.Node-Red flow application

PROJECT DELIVERABLES:

A Machine learning based project that s capable of finding life expectancy of a person including the factors influincing it.

PROJECT TEAM:

An individual project made by **Shubhankar Jain**

PROJECT SCHEDULE:

It is to be completed within 30 days.