**Predicting life expectancy using machine learning**

1. Project Scope

The scope of this project is to predict the guesstimate given my current knowledge and the limited amount of time I have spent researching and thinking about this question, is that there is a 15% chance that life expectancy will decline in the future. If it does, then my best guess is that the mean value – of the range of possible life expectancies in 2050 is 70 years, which is close to the current value of female life expectancy in the world as a whole. Discussion among a group of experts and systematic consideration of various scenarios would undoubtedly produce values different from 15% and 70 years, but these values illustrate the approach according to the research.

The data offers a timeframe from 2015 to 2022. The output algorithms have been used to test if they can maintain their accuracy in predicting the life expectancy for data they haven't been trained. Five algorithms have been used:

Linear Regression

Polynomial Regression

Logistic Regression

Ridge Regression

Lasso Regression

2. Project Schedule :- The project will begin from 15-05-2020 and will be completed within 22 days at most.

3. No Team this is a solo project.

4.Deliverable

At the end of this project I will be able to create a model based on data provided to evaluate the life expectancy.

5.Functional Requirements

Create a data model present on the database.

The data set is made available to the public for the purpose of health data analysis.

It is related to different countries depending on the different countries while finding the data set in different countries might be difficult and hence we decided that we exclude these countries from the final data set.

6.Technical Requirements

The merged data set by using the databases in the cs v formats.

We can use data sets with the help of machine learning and data science with the help of python.

7.Software Requirements

Python IDE, Excel, IBM Cloud, IBM Watson