Project Name: Predicting Life Expectancy using Machine Learning

Kickoff Date: 17-06-2020

Project Scope,Schedule,Team&Deliverables

Project Summary : Life expectancy is very useful to scale overall health of a community. It depends on enormous number of factors like Regional variations, Economic Circumstances, Sex Differences, Mental Illnesses, Physical Illnesses, Education, Year of their birth and other demographic factors.It also helps to determine the course of treatment, change in genome patterns over the years, to describe mortality rates and helps to anticipate the procurement of health care services and facilitates Advance Care Planning.

Project Requirements : Life expectancy is a hypothetical measure.The accuracy of estimated life expectancy depends on the completeness of the data set being used and training the tool with Machine Learning algorithm.This comes under Supervised Machine Learning task. The data set should be trained and tested on past medical records of patients.The performance of the model should be tested and compared against various features.

Functional Requirements :
- Provide the model with the inputs fields
- The model will return the output as the average predicted lifespan

Technical Requirements :
- The GUI must be integrated with the backend trained model.
- The model before training must be given with clean dataset (done by preprocessing)

Software Requirements :
- Python IDE
- Excel
- IBM Cloud Account
- IBM Watson
- Node Red

Project Deliverables :Predicting the life expectancy accurately even with great number of features.

Project Team:
Number of People : 1(Individual)
Name : Macherla Adithi

Project Schedule:
Duration: 30 days

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