

PROJECT SCOPE

- Project Summary:

In this project we create a machine learning model based on certain year-wise data provided about different aspects related to health and other such factors to predict the life expectancy of people of a particular country.

We use a major machine learning technique i.e, regression in this project as we are going to predict a continuous value(life expectancy) based on the dataset provided. The calculation has been utilized to test in the event that they can keep up their precision in foreseeing the future for dataset that hasn't been trained.

- Project Requirements:

We have to create a model that will predict the life expectancy of people of a particular region/country using the data provided by WHO with utmost accuracy and make the interface user-friendly so that users can easily access this service without much difficulty and get correct results.

- Functional Requirements:

1. A machine learning model has to be developed to be linked with a web UI where users can input data and are able to accurately predict the desired value.

- Technical Requirements:

1. To complete the following functional requirements we need to write the code in python and connect it to the IBM Cloud Services by importing the python files and the database available in (.csv) format. We will be using Node-Red for the web UI.

- Software Requirements:

1. Python IDE(Jupyter)
2. Microsoft Excel.
3. IBM Cloud Services
4. IBM Watson

- Project Deliverables: The project should be designed such that the algorithms can be used to test whether the model is able to maintain their accuracy in predicting life expectancy for data that has not been trained. Overall providing a model par excellence in predicting the average age upto which the people of a certain country might live.

- Project Team: Karan Desai.

- Project Schedule: The following project has a predicted time span of 23.5 days and has to be completed in the window of one month beginning from 15th May upto 15th June.