Project Name: Predicting Life Expectancy Using Machine Learning

Project Summary

In this project we will make a machine learning model to predict Life expectancy .LifeExpectancy is a statistical measure of the average time a human being is expected to live, Life expectancy depends on various 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.

Project Requirements

Complete functional ml model deployed on IBMcloud , Watson studio with high accuracy using Watson machine learning services and deployed on NODE-RED integration
Form the model without using python using auto-ai experiment in Watson Studio. Chose the best pipeline and integrate with Node-Red.

Functional Requirements

1. Deploying of machine learning model
2. Dataset (to be downloaded from Kaggle)
   https://www.kaggle.com/kumarajarshi/life-expectancy-who
3. Slack app for communicating with your team
4. Computer with internet connectivity
5. IBM account
6. Model creating and pre-processing in Machine learning using Python language

Technical Requirements

- python 3.8
- machine learning (Regression Models)
- GitHub
- Watson Studio
- Node-Red

Software Requirements

- Zoho editor
- IBM cloud
- IBMWatson
- Node-Red

Project Deliverables

Complete functional ml model deployed on IBM cloud with high accuracy as per the client requirement

Project Manager: Marella Bhanu Tejaswini

Project Timeline

a. In first 10 days we will be training the model and testing it for accuracy.

b. After that we will start working for UI, and in 5 days we will complete it .

c. After that we will integrate the model with UI and will test its working.