

Predicting Life Expectancy Using Machine

Problem Description :

A typical Regression Machine Learning project leverages historical data to predict insights into the future. This problem statement is aimed at predicting Life Expectancy rate of a country given various features.

Life expectancy is a statistical measure of the average time a human being is expected to live, Life expectancy depends on various factors: Regional variations, Economic Circumstances, Sex Differences, Mental Illnesses, Physical Illnesses, Education, Year of their birth and other demographic 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 are given.

Project Scope, Schedule, Team & Deliverables:

Project Summary

- ☐ This project is an end-to end project which will formulate a model while considering data from a period of 2000 to 2015 for all the countries.
- ☐ This project will predict the average time a human being is expected to live based on some factors .
- ☐ A country can predict the expected life of their citizens.According to that , the country can take necessary preventive measures to improve the healthcare system.
- ☐ This will serve as an example for countries to assess to improve life expectancy for their citizens.
- ☐ This will help in suggesting a country which area should be given importance in order to efficiently improve the life expectancy of its population.

Project Requirements

- ☐ Collect and analyse the data of the dataset.
- ☐ create necessary IBM cloud service
- ☐ Train a regression model.
- ☐ Create end points for node red integration
- ☐ Build node red flow to integrate ML service

Functional Requirements

- Give the necessary inputs to the model
- The model will predict the average expected life span

Technical Requirements

Availability-The system's services are accessible to end users any time.

Security-

Software Requirements

Python,IBM Cloud,IBM Watson

Project Deliverables

Project Team : Individual

Project Schedule :

