Project ID:SPS_PRO_215

Project By: Sumeet Johari

Predicting Life Expectancy using Machine Learning

Project Summary:
> The aim of the project is to predict life expectancy rate of a country given various features such as 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. Considering an eclectic combination of all the features I will be able to predict the life expectancy using Machine Learning.

Project Requirements:

> Create a Machine Learning model which can predict the life expectancy rate of a country with the help of various input features. We can also figure out which feature/features play an important role in determining the life expectancy rate.

Functional Requirements:

> We will create a Watson studio project and complete the data Preprocessing and build the machine learning algorithm and deploy the model. We will create one model using python and another without using python. In the latter we will take the help of Auto AI. After successful implementation of the model we will be able to predict the life expectancy

based on the given input features. So, the average life expectancy will be our output.

Technical Requirements:

1)Python
2)Machine Learning
3)Working with IBM cloud services

Software Requirements:

1)IBM Cloud
2)IBM Watson Studio
3)IBM Auto AI Project Deliverables A Machine Learning model to predict the Life Expectancy rate of a country given various features.

Project Team:
　　Sumeet Johari

Project Schedule:
　　　This project is scheduled for 30 days.