# Predicting Life Expectancy of Humans Using Machine Learning

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(llSPS-INT-2639-Predicting-Life-Expectancy-using-Machine-Learning)

# 1 Project Summary

To build a Machine Learning model (Regression Model) that predicts the life expectancy of humans in the country based on various parameters provided (Year, GDP, Education, Alcohol intake of people in the country, Expenditure on healthcare system and specific disease related deaths happened in the country).

# 2 Project Requirements

* A supervised regression algorithm to develop the model.
* Training Data set to train the model (most important requirement as the accuracy of the model depends on this data set).

## 2.1 Functional Requirements

1. Predicting the life expectancy rate of a given country provided all the details (Year, GDP, Education, Alcohol intake of people in the country, Expenditure on healthcare system and specific disease related deaths happened in the country).

## 2.2 Technical Requirements

1. Python
2. IBM Cloud
3. IBM Watson Studio

## 2.3 Hardware Requirements

* Processor: i3 7th generation or higher
* Speed: 2GHz or more
* Hard disk space: 10GB or more

## 2.4 Software Requirements

* Zoho Writer
* Jupyter notebook
* IBM Cloud
* IBM Watson Studio
* Node Red

# 3 Project Deliverables

A web application that predicts the life expectancy rate of a country.

# 4 Project Team

Prasuna Pulivendula

# 5 Project Schedule

Approved on 06-06-2020

Duration: 30 days