

# Predicting Life Expectancy Using Machine Learning

## Project Scope

### *Project Summary*

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 Requirements*

#### *Functional Requirements*

- any system with good internet connectivity
- System should be able to access the application via IBM Watson Services
- Data set for training the ML model

#### *Technical and Software Requirements*

- Python
- GitHub
- IBM Cloud
- IBM Watson
- Jupyter Notebook

### *Project Deliverable*

Able to predict approximate life span of a person given his/her Regional variations, Economic Circumstances, Sex Differences, Mental Illnesses, Physical Illnesses, Education, Year of their birth and other demographic factors.

### *Project Team*

Members: 1

Member Name: Khwaja Bilkhis

### *Project Schedule*

Duration: 1 month

Month: July

