Project ID	:	SPS_PRO_215
Project Title	:	Predicting Life Expectancy using Machine Learning

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 :

1. Python Programming Knowledge
2. Country Dataset
3. IBM Cloud Account
4. IBM Watson

Functional Requirement:

1. Dataset Preparation and Preprocessing
2. Dataset Spliting
3. Modeling
4. Model Deployment

Technical Requirement:

1. Python Programming knowledge with regression algorithms
2. Skillset of IBM Cloud Platform

Software Requirements

1. Laptop or PC
2. Online Software of IBM Cloud
3. Online Datasets to complete project

Project Deliverables:

1. Life Expentancy
2. Country Categories
3. Life Expentancy verses year
4. Life Expentancy Correlation with hit map
5. Data Models

Project Team(only one member)

1. Omkar Ananda Powar

Project Schedule:

1. weekly 5 days
2. Each day 2-3 hours
3. At the end of the day report to mentor for your task completion
4. Every week discussion with mentor about project