Machine Learning - Graded Assignment

Problem Statement:

The **'Life Expectancy' dataset** contains information about several health and economic factors that contribute to average life expectancy for different countries. It is our aim to study how these various factors impact the average life expectancy in the given countries.

Variable information:

Country: Name of the country

Status: Whether the country is Developed or Developing

Adult_Mortality: Mortality rate for age group 15-60 out of every 1000 individuals of the population

Infant_Deaths: Number of infant deaths per 1000 population

Hepatitis: Hepatitis B (HepB) immunization coverage for 1-year olds (Percentage)

Measles: Number of reported cases for measles per 1000 from population

BMI: Average Body Mass Index for entire population

Underfive_Deaths: Number of deaths under 5 years of age per 1000 population

Polio: Polio (Pol3) immunization coverage for 1-year olds (Percentage)

Diphtheria: Diphtheria tetanus toxoid and pertussis (DTP3) immunization coverage for 1-year olds (Percentage)

HIV: Deaths per 1000 live births due to HIV/AIDS (0-4 years)

GDP: Gross Domestic Product per capita (in USD)

Population: Population of the country

Malnourished10_19: Prevalence of malnutrition among children and adolescents for Age 10 to 19 (Percentage)

Malnourished5_9: Prevalence of malnutrition among children for Age 5 to 9 (Percentage)

Income_Index: Human Development Index (HDI) in terms of national income per capita (index ranging from 0 to 1)

Schooling: Number of years of Schooling

Life_Expectancy: Life Expectancy in age for the country

Build the full model, find the significant contributors and share the post model conclusions.

Note: Submit the solution file in **.html file** format about working on the dataset.
Explain your work in few slides & share your insights as well in it & submit this **PPT file**.
Include both **.html & .ppt files in single Zip file** and submit it as your final solution file.

Zip file naming convention (**Your Full Name-ML-Graded Assignment**)