Project Scope

Machine learning helps us to have a lot of models with different degrees and choices. In order to make regression models we need to use a lot of libraries and tools like stats models, Linear Regression and train test split from sklearn besides Pandas, Numpy, Matplotlib, etc. in Python.

Project Summary: -

Life expectancy is estimation of someone's life span, that any person lives some amount of years. It further depends on some demographic factors like Mental illness, Physical illness, Education Sex differences, Regional variation, Economic circumstances, Education, Year of birth etc. This problem statement provides a way to predict the average life expectancy when various factors such as GDP, year, BMI, alcohol intake of people in country and some specific disease related to death in country are given.

Project Requirement: -

Requirements of this project is the dataset from Kaggle website that contain various factors that affect life expectancy of a country like Adult mortality, BMI, GDP, Infant deaths, Polio etc. and a IBM account to use the services of IBM that help to build this project simply.

Technical Requirements: -

- Data exploration
- Perform Data manipulation
- Perform Exploratory data analysis
- Apply various algorithms to predict the output

Software Requirements: -

- IBM cloud
- Python (Numpy, sklearn, matplotlib, pandas etc.)
- Node red
- Jupiter notebook
- Watson studio and machine learning

Project Team: -

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Project Schedule: -

This is a 4 - week project.

Start date - 11 June

End date - 10 July

1st week: a). project planning and kick off

b). Explore IBM cloud platform

c). Explore IBM Watson services

2nd week: Introduction to Watson Studio

3rd week: Predicting Life Expectancy with Python

4th week: Predicting Life Expectancy without Python