**Predicting Life Expectancy Using Machine Learning**

**Project Summary:-**

Forming a regression model while considering data from a period of 2000 to 2015 as provided by the World Health Organization (WHO) , to predict the life expectancy of countries.

This study will focus on immunization factors, mortality factors, economic factors, social factors and other health related factors as well.

Since the observations this dataset are based on different countries, it will be easier for a country to determine the predicting factor which is contributing to lower value of life expectancy. This will help in suggesting to a country which area should be given importance in order to efficiently improve the life expectancy of its population.

**Project Requirements:-**

**1.** **Functional Requirements:-**

Given a set of data including immunization factors, mortality factors, economic factors, social factors etc , the algorithm should be able to predict the life expectancy as accurately as possible.

**2.** **Technical and Software Requirements:-**

-The project will be built and deployed on IBM Cloud using IBM's Watson machine learning platform.

-Node-RED flow will be used to integrate the ML services.

-One branch of the project will be built using Python 3.6

-The other branch will utilise IBM's Auto-AI software.

**Project Deliverables:-**

1. The Jupyter notebooks for the algorithms

2. The final machine learning model

3. The deployed model on Watson.

**Team:-**

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