# Pridiction Of Life Expectany Using Machine Learning

## Project Scope

- ### Project Summary

  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 Project helps to find average life expectancy of people living in different countries including various factors that affect life expectancy of a person.
  We have to use regression model to predict life expectancy of human being.We have to train a model based on previous years data and then trained model will help to predict insights into future.

- ### Project Requirements

  - **Functional Requirements**

    1. Preprocessing of the dataset- Cleaning of the dataset, Eliminating noise

    2.Exploratory Data Analysis

    3.Spliting the dataset into training data and testing data

    4.Training the model using machine learning algorithms

    5.Prediction of the model by user-input

    6.Checking R2 score, MSE of the model

    7.Optimizing if needed

    8.Deploying the model

    9.Creating UI using Node-Red

  - Technical Requirements

    Computer/Laptop,Processor, Operating System

  - Software Requirements

    IBM Cloud, IBM Watson, node-red, IBM Machine Learning Services, Github, Python IDE, IBM Notebook/JupyterNotebook

- ### Project Deliverables

Project Code ,User Interface, and Document

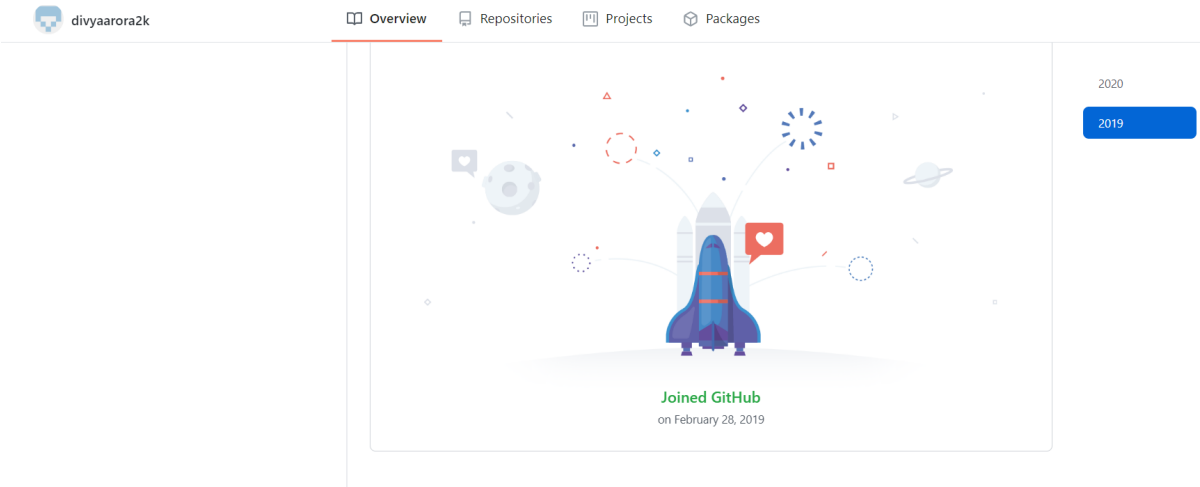
- **Project Team**

  Individual Project-Divya Arora

- **Project Schedule**

  This project is to be completed in 1 month(within 23.5 days) and work for atleast 5 days a week.

## Github Account




## Ibm Cloud Account