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| * Project Name | Predicting Life Expectancy Using Machine Learning |
| * Date of Approval | 20 May 2020 |
| * Project Summary and Description | 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 | Dataset |
| * Functional Requirements | Predicting Life expectancy rate of a country |
| * Technical Requirements | Python , IBM Cloud , IBM watson |
| * Software Requirements | OS: Windows XP or higher  Browser: Google chrome, mozilla firefox  pycharm  python |
| * Project Deliverables | 1. Project documentation  2. ML prediction model  3. Node-RED flow diagram + watson auto ML mode |
| * Project Team | 1.Siddhi Belgamwar |
| * Project Schedule | week 1: Project Planning and kickoff  Explore IBM cloud platform  week 2: Explore IBM watson services  week 3: Introduction to watson studio  week 4: Predicting life expectancy with final ML model |