

PROJECT NAME: Predicting Life Expectancy using Machine Learning - SB38670

PROJECT MANAGER: Diksha Singh

Date: 22-05-2020

PROJECT SCOPE DOCUMENT

PROJECT SUMMARY:

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:

1. FUNTIONAL REQUIREMENTS:

Predicting life expectancy rate of a country.

2. TECHNICAL REQUIREMENTS:

Python, IBM cloud, IBM Watson.

HARDWARE REQUIREMENTS:

Processor: i3 &th gen or higher

Speed: 2GHz or more

Hard disk space: 10 GB or more

Ram memory: 4 GB or more

SOFTWARE REQUIREMENTS:

OS: Windows XP or higher

Browser: Google Chrome, etc.

PROJECT DELIVERABLES:

- PROJECT DOCUMENTATION
- create ML prediction model
- node red flow diagram + Watson auto ML mode

PROJECT TEAM:

Project Manager: DIKSHA SINGH (individual)

PROJECT SCHEDULE:

TASK	Date
Project Planning and kick-off	22 nd May, 2020
Explore IBM cloud platform	23 rd – 24 th May, 2020
Explore IBM Watson services	27 th – 28 th May, 2020
Introduction to Watson studio.	29 th May – 1 st June, 2020
Predicting Life expectancy with Python	-
Predicting life expectancy without python.	10 th – 18 th June, 2020
Submission of Project Codes	18 th June 2020

Kick-off Meeting Agenda

TOPIC	Leader
Introduce and welcome team members	Diksha Singh
Discuss project background 1. What we have today 2. Why we need to change 3. What are the key measures of success?	SmartBridge (Smart Internz)
Identify stakeholders 1. Who is impacted? 2. Who are the key stakeholders - Sponsor and/or other decision makers who represent constituencies that will be impacted, and whose support is critical to the success of the project.	Diksha Singh
Review project objectives 1. Objectives 2. Deliverables 3. Assumption	Diksha Singh
Review team member roles & responsibilities 1. Project Team- 2. Advisory groups (if needed) 3. Steering committee (if needed)	Diksha Singh (individual work) smartinternz mentors Mentor 1 Mentor 2
Review other potential issues, risks, questions and concerns What might get in the way of success? How could we address those concerns?	Diksha Singh
Identify next steps and timing - Team communications - Frequency of team meetings	Diksha Singh

